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Phase II Site Investigation Report

Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS

On behalf of Elivia Homes (Southern) Limited

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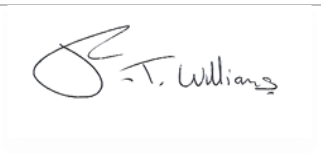
v.1.07			
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EXECUTIVE SUMMARY	
PROPOSED DEVELOPMENT	At the time of reporting, March 2025, the proposed development was understood to comprise the demolition of the existing buildings and greenhouses on site and the construction of a mixture of detached, semi-detached, terraced and residential flats across the site totalling 74 residential plots. The terraced, semi-detached and detached properties also have associated front and rear gardens and some properties are to have garages as well. The residential flats located on the northern portion of the site will have shared public gardens and a large car park area just to the south.
GEOLOGY AND HYDROGEOLOGY	The British Geological Survey Solid and Drift Geology Map for the Ashington area (Worthing/Brighton Sheet No. 318/333) revealed that the southern portion of the site was underlain by superficial Head Deposits and bedrock deposits of the Weald Clay Formation, across the entire site. No areas of Made Ground or Reworked Ground were noted within a 250m radius. The DEFRA online maps indicated that the site was located on Secondary (undifferentiated) Aquifer associated with the superficial Head Deposits, underlain by Unproductive Strata associated with the Weald Clay Formation. From analysis of hydrogeological and topographical maps the groundwater table was anticipated to be encountered at shallow to moderate depth within the Head Deposits capping the impermeable Weald Clay Formation. Perched water was also likely to be found within the Made Ground, especially after periods of intense or prolonged rainfall. It was considered that the groundwater was flowing southwards, towards the Lancing Brook and in alignment with local topography.
CONTAMINATION	The comparison between the laboratory analysis from October 2024 and the assessment criteria indicates that there is an unacceptable risk to future receptors caused by exceedances of the following determinands: Lead; Benzo(a)pyrene; Benzo(b)fluoranthene;

	and Dibenzo(a,h)anthracene. The remaining determinands were identified at below the adopted screening value and are not considered to represent an unacceptable risk to future receptors. Where an unacceptable risk to future receptors remains, mitigation is required. Dibenzo(a,h)anthracene was noted to be elevated within samples of Made Ground from HP311/0.10, HP302/0.10, HP303/0.10, HP310/0.10 and in HP311/0.10m when compared to C4SL of 0.24mg/kg. Benzo(a)pyrene and Benzo(b)fluoranthene were elevated within HP302, HP303 and HP310 at 0.10m bgl. Lead was also found to be elevated within HP309 at 0.10m bgl. Asbestos was identified within one sample (HP311/0.10m) as chrysotile sheeting/board debris. An Asbestos Management Strategy should be put in place so that any potentially asbestos containing materials are identified and removed from site in a suitable manner to prevent cross-contamination. Within the October 2024 site works trial pits were undertaken within the greenhouse structures within the southern section of the site and samples were analysed for pesticides. The concentrations of pesticides were generally recorded beneath the laboratories limit of detection with the exception of 1no. sample (TP303/0.20m bgl) where P,p'-DDT or p,p'-Dichlorodiphenyltrichloroethane was recorded at 0.017mg/kg. Whilst a specific threshold value is not available for P,p'-DDT the recorded value is found to be below the assessment criteria for Dichlorvos which is considered to be the lowest for pesticides (0.032mg/kg) and most conservative approach. The comparison between the laboratory analysis from January 2025 and the assessment criteria indicates that there is an unacceptable risk caused by exceedances of the following determinands: Lead (HP401/0.20m bg, HP403/0.10m bgl, HP413/0.10m bgl, HP406/0.40m bgl, HP407/0.10m bgl, TP402/0.90m bgl, TP405/1.90m bgl and TP406/2.00m bgl), Benzo(a)pyrene (TP406/2.00m bgl), Benzo(b)fluoranthene (TP406/2.00m bgl and HP412/0.10m bgl) , Dibenzo(a,h)anthracene (TP406/2.00m bgl and HP412/0.10m bgl) and P,p'-DDT (HP417 and HP420/0.10m bgl). Trial holes HP417-HP420 were undertaken within the vicinity of TP303 within the footprint of the historical greenhouses to confirm whether the previously identified P,p'-DDT formed part of a wider area of pesticide contamination. Similarly to the October 2024 results the pesticides were generally recorded below the laboratories limit of detection with the exception of P,p'-DDT and P,p'-DDE and were compared to the assessment criteria for Dichlorvos which is considered to be the lowest for pesticides (0.032mg/kg) and most conservative approach. Exceedances related to P,p'-DDT were recorded within HP417/0.10m bgl (0.054mg/kg) and HP420/0.10m bgl (0.046mg/kg). **Due to the nature of the contamination encountered at the site, it is considered that there is an unacceptable risk to future receptors. Remediation, as outlined later within this report is required as part of any site development.**
REMEDIATION	• Removal of infilled reservoir and its contents • 600mm clean capping applied to all soft-landscaped private gardens • 450mm clean capping applied to all communal soft-landscaped areas. • It is therefore recommended that the use of Metal or Barrier pipes are implemented as part of the design. • Implementation of Discovery Strategy during construction phases in case of identified contamination (e.g. underground tanks, contamination within bund).

1. INTRODUCTION

1.1. General

Ground and Water Limited were instructed by Elivia Homes to conduct additional site investigation works on the site at Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS.

1.2. Aims of the Investigation

The aim of the site investigation works was to provide additional coverage across the site in light of comments following EHO review of previous site reports. The EHO comments have been addressed within this updated report and the proposed scope of works was agreed and approved by the EHO in advance.

A contamination assessment was to be undertaken following chemical laboratory testing on soil samples recovered from the site to enable recommendations for the safe redevelopment of the site and the protection of site workers, end-users and the public from any potential contamination identified. The assessment comprises a Tier 2 Generic Quantitative Risk Assessment, under Land Contamination Risk Management (LCRM), with the intention of discharging planning conditions.

Previous phases of site works and laboratory analysis have been undertaken at the site and this report should be read in conjunction with GWPR5374/SIR/June 2023, GWPR5759/GIR/January 2024 and GWPR6066/GIR/August 2024.

The techniques adopted for the investigation were chosen considering the requirements of the client, anticipated ground conditions, and bearing in mind the nature of the site, limitations to site access and other logistical limitations.

1.3. Conditions and Limitations

This report has been prepared based on the terms, conditions and limitations outlined within Appendix A.

Reference has been made to a historical site investigation by another company. Ground and Water Limited cannot be held liable for any shortcomings.

1.4. Technical Glossary

Generic technical terms and their description can be viewed within the glossary provided within Appendix B.

2. SITE SETTING

2.1. Site Location

The site comprised a ~23,873m^2 roughly rectangular-shaped plot of land, orientated in a north to south direction, along the southern side of Rectory Lane. The site was located to the west of the town centre of Ashington in the county of West Sussex.

The national grid reference for the centre of the site was approximately TQ 12652 16280. A site location plan is given within Figure 1. Figure 2 shows the site development area and Figure 3 shows an aerial photograph of the site.

2.2. Site Description

At the time of site works conducted within October 2024, the existing development comprised a plant nursery greenhouse located on the southern portion of the site, with derelict barns and buildings located across the central area of the site. The site had recently been used to store motorhomes and caravans. The site was noted to have a shallow slope from north to south. A hardstanding driveway was noted to run through the centre of the site from the road down to the entranceway of the greenhouse. The majority of the site comprised loose tarmac/gravel, with majority of the site being overgrown with grass, shrubs and bushes.

Additional site works were then undertaken within January 2025 and demolition works had occurred across the site with the greenhouses and the derelict barns/buildings no longer present on site.

2.3. Proposed Development

At the time of reporting, January 2025, the proposed development was understood to comprise the demolition of the existing buildings and greenhouses on site and the construction of a mixture of detached, semi-detached, terraced and residential flats across the site totalling 74 residential plots. The terraced, semi-detached and detached properties also have associated front and rear gardens and some properties are to have garages as well. The residential flats located on the northern portion of the site will have shared public gardens and a large car park area just to the south.

The proposed development plan is shown in Figure 4.

2.4. Geology

The British Geological Survey Solid and Drift Geology Map for the Ashington area (Worthing/Brighton Sheet No. 318/333) revealed that the southern portion of the site was underlain by superficial Head Deposits and bedrock deposits of the Weald Clay Formation, across the entire site. No areas of Made Ground or Reworked Ground were noted within a 250m radius.

A BGS borehole record on site (ref.: TQ11NW1) noted the Weald Clay from surface to the base of the borehole at 45.70m bgl. From ground level to 1.50m a yellow clay was recorded with a yellow clay and brown sand to 4.40m bgl. A blue sandy marl was recorded down to 11.60m with a hard blue clay below to 14.60m. A brown marl was record to 15.55m with a brown clay with fossils to 16.75m and a blue clay below that to 26.50m. Below this blue clay layer were interbedded shales, blue clays and rock to the base of the borehole. Groundwater was encountered at 14.30m, 20.10 and 28.05m bgl.

2.5. Hydrogeology and Hydrology

The DEFRA online maps indicated that the site was located on Secondary (undifferentiated) Aquifer associated with the superficial Head Deposits, underlain by Unproductive Strata associated with the Weald Clay Formation.

From analysis of hydrogeological and topographical maps the groundwater table was anticipated to be encountered at shallow to moderate depth within the Head Deposits capping the impermeable Weald Clay Formation. Perched water was also likely to be found within the Made Ground, especially after periods of intense or prolonged rainfall. It was considered that the groundwater was flowing southwards, towards the Lancing Brook and in alignment with local topography.

The nearest surface water feature was observed to be the Lancing Brook located approximately 45m south of the site. A pond was noted approximately 70m south of the site.

Examination of the Environment Agency records showed that the site fell within a Flood Zone 1 (an area with a low probability of fluvial or coastal flooding).

2.6. Radon

BRE 211 (2015) Map 5 of the London, Sussex and west Kent area indicated that the site **was not** located within an area where mandatory protection measures against the ingress of radon were likely to be required.

A review of the freely available UK Health Security Agency radon database, UK Radon, indicated that the site was located within a 1km grid square, where the maximum radon potential of less than 1% was recorded. The neighbouring 1km grid square was noted to have a maximum radon potential of 5-10%. Basic radon protection measures are required in areas where more than 3% of houses are at or above the Action Level.

The site was in an area where a risk assessment was not required.

2.7. Internet Search (Site Setting)

2.7.1. Available Unexploded Ordnance (UXO) Map Review

A review of the data available on www.zeticauxo.com/ revealed the site was located within a low -risk area associated with unexploded ordnance (UXO), as indicated by having <15 bombs dropped per 1000 acres.

2.7.2. Historical Landfill Tool Review

A review of the data available on www.groundsure.io/ revealed no areas of historical or authorised landfills within 500m of the site.

2.8. Third Party Desk Study Report

The report summarises a site walkover undertaken by another company (Ref LP00763 July 2015). The walkover noted two above ground storage tanks located in the centre of the site with a diesel pipe running south form the fuel tanks towards the greenhouses. Asbestos fragments were noted in the surface of the field and bank of the ditch. A bonfire area and pump house was noted to the west of the greenhouses. Asbestos cement sheets were identified in the construction of the buildings along northern boundary of site.

Historical mapping of the site recorded from the earliest map dated 1875-1879 showed the site comprised a field with trees lining the northern boundary and trees scattered along the southern and eastern boundaries. The 1937-1939 maps showed the northern portion of the site had been redeveloped with a plant nursery. A tank was recorded just to the south-west corner of the site. The 1974 maps showed more greenhouses had been constructed on the south-western portion of the site.

The tank previously noted within the southwestern corner is shown as a reservoir and pump house. The 1993 plan showed the site suggested the nursery is now located to the south of the site with the northern portion being used to store caravans and vehicles. The site environs generally had areas of residential development with no significant environmental contamination sources.

The ground conditions encountered from the previous investigations recorded the following:

Northern field and western grassed area- Topsoil to 0.10-0.90m bgl comprising a gravelly clay with occasional brick, glass and flint, Made Ground to depths of 0.54-1.50m bgl comprising a silty clayey Gravel, with blacktop, glass and medium clinker. The Weald Clay Formation was recorded below to depths of between 1.70-3.00m comprising both a sandy clay and clayey Sand.

The hardstanding area, greenhouses and central portion of the site- Blacktop from GL to 0.05-0.10m with Made Ground below comprising a clayey Gravel of blacktop, glass and medium clinker. The Weald Clay Formation was recorded below to depths of between 1.70-3.00m comprising both a sandy clay and clayey Sand.

The previous testing on site recorded exceedances of PAH's and Lead with parts of the Made Ground located in the centre of the site and to the north of the glass houses. Samples tested from the topsoil recorded no exceedances.

Ground and Water visited site as part of the phases of site investigation works and noted a soil bund extending along the eastern boundary of the site which was predominantly covered with overgrown vegetation and trees growing on top. The reservoir was also not identified on-site however an area of slightly raised ground was noted in its place.

A copy of the Third Party report is shown in Appendix C.

2.9. Preliminary Risk Assessment

The tabulated Conceptual Site Model developed as part of the Third Party Desk Study Report (LS5899 Phase 1 Geo Environmental Investigation October 2021) is outlined overleaf with some additions based on more recent findings. For ease of reference and understanding, the risks have been classified within this risk assessment against four possible levels / categories, summarised in the table below. Any risk deemed to be negligible within the Preliminary Risk Assessment have been excluded from this report.

Risk Categories used in the Tabulated CSM	
Low Risk	Regarding this potential SPR linkage, the site is considered suitable for the proposed end-use and there is not considered to be an unacceptable risk to receptors. However, it is considered that further investigation to confirm this is recommended.
Moderate Risk	Regarding this potential SPR linkage, the site may not be suitable for the proposed end-use in its current condition and there may be an unacceptable risk to receptors. Further investigation is required to confirm this.

High Risk	Regarding this potential SPR linkage, the site is probably or certainly not suitable for proposed end-use and there is likely to be an unacceptable risk to receptors. Contaminants probably or certainly present and urgent action required in the short term.

Tabulated Conceptual Site Model – Pollutant Linkage Summary (On-Site Sources)			
Potential Sources	Potential Absorption Pathways	Potential Receptors	Risk Classification
Made Ground from construction/ demolition activities: • Asbestos, • PAHs, • TPHs, • VOCs, • Sulphates, and • Metals.	• Direct ingestion of soil and soil derived dust • Dermal contact of soil and soil derived dust • Inhalation of dust (indoors and outdoors) with elevated concentration of determinands • Ingestion of home-grown produce, and soils attached • Direct ingestion of groundwater • Inhalation of volatile vapour (indoors and outdoors)	**Human Health** • End Users (Residents/Future site visitors) • Construction workers during development • Site operatives during maintenance works • Neighbours and public	**Moderate-High**
	• Direct uptake of groundwater • Direct uptake of determinands in the soil	**Flora and Fauna** • Vegetation within soft landscaped areas	**Low**
	• Anthropogenic (man-made) pathways • Vertical and lateral migration in permeable strata • Surface water runoff	**Controlled Waters** • Secondary Undifferentiated Aquifer (Head Deposits) • Lancing Brook	**Low**
Aggressive ground conditions with Made Ground and natural ground, including groundwater: • Sulphates, • PAH/TPH.	• Direct contact with aggressive ground conditions	**Building Materials and Services** • Buried Concrete • Underground services (water pipes)	**Moderate**
Potential leaks/spills from on-site tanks: • PAHS • TPHs • VOCs	• Direct ingestion of soil and soil derived dust • Dermal contact of soil and soil derived dust • Inhalation of dust (indoors and outdoors) with elevated concentration of determinands • Ingestion of home-grown produce, and soils attached • Direct ingestion of groundwater • Inhalation of volatile vapour (indoors and outdoors)	**Human Health** • End Users (Residents/Future site visitors) • Construction workers during development • Site operatives during maintenance works Neighbours and public	**Moderate**
	• Anthropogenic (man-made) pathways • Vertical and lateral migration in permeable strata • Surface water runoff	**Controlled Waters** • Secondary Undifferentiated Aquifer (Head Deposits) • Lancing Brook	**Low**
Sites historical use as greenhouses/nurseries: • Asbestos	• Direct ingestion of soil and soil derived dust • Dermal contact of soil and soil derived dust • Inhalation of dust (indoors and outdoors) with elevated concentration of determinands	**Human Health** • End Users (Residents/Future site visitors) • Construction workers during development	**Moderate**

• Metals, • Pesticides, • PAHs, • TPHs.	• Ingestion of home-grown produce, and soils attached • Direct ingestion of groundwater • Inhalation of volatile vapour (indoors and outdoors)	• Site operatives during maintenance works Neighbours and public	
	• Direct uptake of groundwater • Direct uptake of determinands in the soil	**Flora and Fauna** • Vegetation within soft landscaped areas	**Low**
	• Anthropogenic (man-made) pathways • Vertical and lateral migration in permeable strata • Surface water runoff	**Controlled Waters** • Secondary Undifferentiated Aquifer (Head Deposits) Lancing Brook	**Low**
Ground gases generated by Made Ground: • Methane, • Carbon Dioxide, • Hydrogen Sulphide, and • Carbon Monoxide.	• Migration through anthropogenic & natural pathways • Inhalation of Asphyxiating gases • Explosion (methane only)	**Human Health** • End Users (Residents/Future site visitors) • Construction workers during development (especially in confined spaces) • Site operatives during maintenance works in confined spaces • Neighbours and public	**Low**
	• Migration through anthropogenic & natural pathways • Explosion (methane only)	**Building Materials and Services** • Buildings • Confined spaces • Underground services	**Low**

Tabulated Conceptual Site Model – Pollutant Linkage Summary (Off-Site Sources)			
Potential Sources	Potential Absorption Pathways	Potential Receptors	Risk Classification
Made Ground from construction/ demolition activities: • Asbestos, • PAHs, • TPHs, • VOCs, • Sulphates, and • Metals.	• Direct ingestion of soil and soil derived dust • Dermal contact of soil and soil derived dust • Inhalation of dust (indoors and outdoors) with elevated concentration of determinands • Direct ingestion of groundwater • Inhalation of volatile vapour (indoors and outdoors)	**Human Health** • End Users (Residents/Future site visitors) • Construction workers during development • Site operatives during maintenance works	**Moderate**
	• Direct uptake of groundwater	**Flora and Fauna** • Vegetation within soft landscaped areas	**Low**
Aggressive ground conditions associated with impacted groundwater; • Sulphates, • PAH/TPH.	• Direct contact with aggressive ground conditions	**Building Materials and Services** • Buried Concrete • Underground services (water pipes)	**Moderate**

3. PREVIOUS SITE WORKS

3.1. Summary of Previous Ground and Water Site Investigations

Previous phases of site works have been undertaken at the site and this report should be read in conjunction with GWPR5374/SIR/June 2023, GWPR5759/GIR/January 2024 and GWPR6066/GIR/August 2024. The reports and their findings are summarised below.

Phase II Site Investigation Report – June 2023 (GWPR5374/SIR/June 2023)

Site works were undertaken by Ground and Water on 9th May 2023 and comprised the excavation of 8no. trial pits followed by the drilling of 5no. Windowless Sampler Boreholes to depths of between 2.00-5.00m bgl. Super Heavy Dynamic Probes (DP2 – DP5) were undertaken through the base of boreholes to final depths of between 2.80 – 5.00m bgl.

Contamination Assessment

The comparison between the laboratory analysis and the assessment criteria indicated an unacceptable risk to future receptors caused by exceedances of the following determinands: Arsenic (TP2/0.50m bgl); Lead (TP4/0.20m bgl); Asbestos (TP4/0.20m bgl); and PAHs (WS4/0.30m bgl and TP6/0.20m bgl). The remaining determinands were identified at below the adopted screening value and are not considered to represent an unacceptable risk to future receptors. Where an unacceptable risk to future receptors remains, mitigation is required.

Due to the nature of the contamination encountered at the site, it was considered an unacceptable risk to future receptors.

Groundwater

Given the Level 1 risk assessment does not consider dilution, dispersion or attenuation, and the conceptual site model shows the nearest main receptor / compliance point to be the Lancing Brook, 45m south of the site, the fact that the soils on site comprised cohesive clay soils which are considered to impermeable, therefore reducing the risk of contaminants migrating off site, it is not expected that the soils on-site represent an unacceptable risk to controlled water receptors. No further action is considered necessary.

The recommended remedial measures have been updated within this current report.

Updated Phase II Site Investigation Report – January 2024 (GWPR5759/GIR/January 2024)

Site works were undertaken by Ground and Water on 20th December 2023 and comprised the excavation of 7no. trial pts (TP101-TP107) to depths of between 1.00-2.00m bgl. The aim of the additional works was to delineate the previously identified contamination and in turn reduce the area of remediation required.

Contamination Assessment

Based on the proposed development, the results of the chemical laboratory testing were compared to the Generic Assessment Criteria (GAC) for a 'Residential without homegrown produce' land-use scenario, as this was considered the most appropriate land-use scenario.

Lead was noted to be elevated in one sample, the one value of 216mg/kg in TP106/0.20m, was elevated when compared to C4SL of 200mg/kg. Mercury was noted to be elevated when compared to the elemental mercury S4UL of 1.2 mg/kg. The S4UL provides an alternative assessment criterion for inorganic mercury (mercury compounds most likely with sulphur or oxygen) of 56 mg/kg. The mercury present on-site is likely to be in inorganic form due to no evidence at present for an elemental mercury source. Therefore, the higher assessment criteria of 56 mg/kg for inorganic mercury should be applied to the risk assessment. The value identified within the laboratory analysis therefore falls within the assessment criteria. Chemical laboratory testing of the Made Ground/Weald Clay Formation did not reveal any other elevated levels of determinands above the guideline levels for a 'Residential With Homegrown Produce' land-use scenario. In addition, the intrusive investigation did not reveal any visual or olfactory evidence to suggest any hydrocarbon-type contamination in the trial holes excavated on the site. The chemical laboratory results have verified that no elevated concentrations of aliphatic/aromatic hydrocarbons (C5-C35) or BTEX compounds are present in the soils underlying the site.

The recommended remedial measures have been updated within this current report.

Contamination Assessment Report – August 2024 (GWPR6066/GIR/August 2024)

Site works were undertaken by Ground and Water on 5th July 2024 and comprised the excavation of 6no. Windowless Sampler boreholes (WS201-WS206) to depths of between 2.50-3.00m bgl. A set of samples (2no. Made Ground and 1no. Weald Clay Formation samples from underneath the road) were submitted for chemical laboratory analysis.

The laboratory analysis identified elevated PAH concentrations within one sample (WS201/0.20m bgl). No other elevated levels of determinands above the guideline levels for a 'Residential With Homegrown Produce' land-use scenario were recorded.

As the identified area of contamination will be located beneath the proposed roadway it was considered that no remedial measures were required. In addition, due to the presence of the Weald Clay directly below the Made Ground which is classified as Unproductive Strata there is no risk to groundwater.

4. SITE WORKS

4.1. Scope of Works

Site works were undertaken on the 8th October 2024 and 28th October 2024 and comprised the excavation of 7No. machine excavated Trial Pits (TP301-TP303 and TP306-TP309) up to 1.50m bgl and the excavation of 12no. hand dug pits (HP301-HP304 and HP305-HP312) to 1.00m bgl.

Additional site works were also undertaken on the 2nd and 8th January 2025 and comprised the machine excavation of 8no. trial pits up to 2.60m bgl and the excavation of hand dug pits (HP401-HP420) to 1.00m bgl. Site works also comprised the drilling of 4no. Windowless Sampler Boreholes (WS401A, WS401B, WS402 and WS405) to depths of between 2.05-3.00m bgl.

A selection of soil samples was taken for laboratory chemical testing. Upon completion of the site works all trial holes and/or trial pits were backfilled and made good/reinstated in relation to the surrounding area.

The location of the trial hole locations can be seen within Figures 5-7. Photos from the January 2025 site works can be seen within Appendix F.

The aim of the additional site works within January 2025 was to further investigate particular features of concern across the site. The features and the aim of each location are summarised below:

Southwestern Corner – Historical Reservoir

The southwestern corner was targeted due to the record of a historical reservoir and note of a slight elevation in ground level. Initially boreholes were undertaken within this area however met refusal on a concrete slab at ~2.30m bgl. An excavator was then utilised (TP405-TP408) with the aim of extending below the base to prove depth of Made Ground within this area of the site.

Eastern Boundary - Bund

The bund along the eastern boundary was also targeted with handpits and then a series of machine excavated pits to confirm the make-up of the material within the bund.

Northern section – Historical greenhouses

The historical mapping for the site records greenhouses within the northern section of the site and additional handpits were conducted within this area (HP408-HP410) to allow for laboratory analysis for pesticides.

Southern Historical Greenhouses

Trial holes HP417-HP420 were undertaken within the vicinity of TP303 from the October 2024 works within the footprint of the historical greenhouses to confirm whether the previously identified P,p'-DDT formed part of a wider area of pesticide contamination.

Historical Above Surface Tanks

Above surface tanks were located within the centre of the site and had previously been removed as part of the recent demolition works. Additional sampling in the form of handpits (HP404, HP11-HP15) and a borehole (WS405) were therefore undertaken within and surrounding the footprint of the former tanks to confirm presence/absence of contamination related to any previous leaks/spills.

Prior to commencing the ground investigation, a walkover survey was carried out to identify the presence of underground services and drainage. Where underground services/drainage were suspected and/or positively identified, the exploratory position was relocated away from these areas.

As a further precautionary measure, the borehole was hand excavated to 1.20m below the local ground level (bgl) and scanned with a Cable Avoidance Tool (CAT scanner) to minimise the risk to services.

Upon completion of the drilling works, the trial holes were backfilled and made good, in relation to the surrounding area.

4.2. Sampling Procedures

Small disturbed samples and environmental samples were recovered from the trial holes at the depths shown on the trial hole records. Soil samples were generally retrieved from each change of strata and/or at specific areas of concern. Samples were also taken at approximately 0.5m intervals during broad homogenous soil horizons.

A selection of samples were despatched to a laboratory for chemical testing purposes.

5. ENCOUNTERED GROUND CONDITIONS

5.1. Soil Conditions

The trial holes were logged by a Ground and Water Limited representative, generally in accordance with BS EN 14688 'Geotechnical Investigation and Testing – Identification and Classification of Soil'.

The ground conditions encountered within the trial holes constructed on the site did generally conform to that anticipated from examination of the geology map. A capping of Made Ground or topsoil was noted to overlie the bedrock Weald Clay Formation.

The succession of conditions and description of soils encountered in the trial holes conducted across the October 2024 and January 2025 site works in descending order is tabulated below.

Summary of Strata Encountered (October 2024)			
Strata	**Top Depth (m bgl)**	**Base Depth (m bgl)**	**Thickness (m)**
MADE GROUND: A dark brown, gravelly sandy CLAY. Sand was fine to medium. Gravel was sub-angular to sub-rounded, fine to coarse flint, brick and Type 1 Gravel and road plannings.	GL	0.10-0.40	0.10-0.40
TOPSOIL (HP301 - HP304): A dark brown sandy CLAY with roots. Sand was fine.	GL	0.15	0.15
WEALD CLAY FORMATION: A light brown, orangish brown and grey slightly gravelly sandy CLAY to clayey gravelly SAND. Sand was fine. Gravel was sub-angular, fine to coarse flint and sandstone.	GL – 0.40	>1.00- >1.50	>0.85- >1.50

Summary of Strata Encountered (January 2025)			
Strata	**Top Depth (m bgl)**	**Base Depth (m bgl)**	**Thickness (m)**
MADE GROUND: A dark brown, gravelly sandy CLAY. Sand was fine to medium. Gravel was sub-angular to sub-rounded, fine to coarse flint, brick and Type 1 Gravel and road plannings.	GL	0.15-0.40	0.15-0.40
MADE GROUND (TP405 and TP406): A dark brown sandy gravel comprising medium to cobble bricks, concrete, glass and car parts.	1.30-1.50	2.30	0.80-1.00
REWORKED GROUND: A light brown, orangish brown and grey slightly gravelly sandy CLAY	GL-0.40	1.30-2.00	0.90-2.00
WEALD CLAY FORMATION: A light brown, orangish brown and grey slightly gravelly sandy CLAY to clayey gravelly SAND. Sand was fine. Gravel was sub-angular, fine to coarse flint and sandstone.	GL – 2.50	>0.50- >2.60	>0.30- >2.60

Trial hole locations TP405-TP407 were located within the vicinity of the historical reservoir within the south-western corner. This area was also noted to have a slightly raised ground level. TP405 and TP406 identified the southern perimeter wall of the reservoir structure and the trial holes revealed a significant amount of rubble and debris including vehicle parts used to infill the reservoir structure followed by a concrete base at ~2.30m bgl. TP407 identified the southern and western perimeter walls and the trial hole was excavated along the external side of the northern wall identifying the base of the reservoir (2.30-2.50m bgl) and proved natural ground (orangish brown and grey sandy CLAY) beneath the slab. A sample of the material beneath the slab (TP407 at 2.50m bgl) was sent for laboratory analysis.

For details of the composition of the soils encountered at particular points, reference must be made to the individual trial hole logs within Appendix D of this report. Trial hole location plan can also be viewed within Figures 5-7.

5.2. Groundwater Conditions

A summary of the groundwater observations during site works has been provided below.

Summary of Groundwater strikes (October 2024)	
Trial Hole	**Groundwater strike depth (m bgl)**
TP301	Dry
TP302	Dry
TP303	Dry
TP306	1.00
TP307	0.30
TP308	0.50
TP309	Dry
HP301	0.80
HP304	0.80
HP311	Dry
HP312	Dry

Summary of Groundwater strikes (January 2025)	
Trial Hole	**Groundwater strike depth (m bgl)**
WS401A	Dry
WS401B	Dry
WS402	Dry
WS405	Dry
TP401	Dry
TP402	Dry
TP403	Dry
TP405	1.30
TP406	1.40
TP407	Dry
HP401	Dry
HP402	Dry
HP403	Dry
HP404	Dry
HP405	Dry
HP406	Dry
HP407	Dry
HP408	Dry
HP409	Dry
HP410	Dry
HP411	Dry
HP412	Dry
HP413	Dry
HP414	Dry
HP415	Dry
HP416	Dry

HP417	Dry
HP418	Dry
HP419	Dry
HP420	Dry

Changes in groundwater level occur for a number of reasons including seasonal effects and variations in drainage. The investigation was undertaken in October 2024 and January 2025 when groundwater levels are likely to be approaching their annual maximum (highest elevation). Exact groundwater levels may only be determined through long term measurements from monitoring wells installed on-site.

5.3. Obstructions

Boreholes WS401A, WS401B and WS402 encountered a concrete base at 2.05m bgl and met refusal during site works on 2nd January 2025. Additional site works were then undertaken on 8th January 2024 utilising a machine excavator to expose and reach below the slab. The concrete base was also encountered within TP405 and TP406 however TP407 identified the base of the slab and the natural material beneath it.

Borehole WS405 also met refusal at 3.00m bgl due to the density of underlying strata of the Weald Clay Formation).

No other artificial or natural sub-surface obstructions were noted during construction of the trial holes.

6. CONTAMINATION RISK ASSESSMENT

6.1. Results of the Preliminary Risk Assessment

The tabulated Conceptual Site Model (CSM) developed as part of the Third Party Desk Study Report (LS5899 Phase 1 Geo Environmental Investigation October 2021) is reproduced in section 2.8. For the complete information please see the Desk Study report.

In the UK, the assessment of risk from contamination follows the source-pathway-receptor (SPR) approach. For a risk to be present there must be a source of contamination, a receptor or receptors, and a pathway for contaminants to migrate or be absorbed. If there is a linkage between any given source and receptor, then a quantitative risk assessment is used to assess the significance or impact of the pollutant linkage.

6.2. Sampling Locations

The synopsis for the trial hole locations and their final depth can be seen tabulated below. A trial hole location plans are provided within Figures 5-7. The table also indicates whether any locations targeted a source of contamination as well as the proposed end-use. The proposed development can be seen in Figure 4.

Trial Hole Location Synopsis		
Trial Hole	**Sampling Strategy**	**Proposed End-Use**
TP301	Targeted – Southern greenhouses	Soft Landscaping
TP302	Targeted – Southern greenhouses	Footprint of Proposed Building
TP303	Targeted – Southern greenhouses	Soft Landscaping
TP305	Targeted – Southern greenhouses	Soft Landscaping
TP306	Stratified Random	Soft Landscaping
TP307	Stratified Random	Access Road
TP308	Stratified Random	Access Road
TP309	Stratified Random	Footprint of Proposed Building
HP301	Stratified Random	Soft Landscaping
HP302	Targeted – Pump House/Reservoir	Soft Landscaping
HP303	Stratified Random	Soft Landscaping
HP304	Targeted – Pump House	Soft Landscaping
HP305	Targeted – Northern greenhouses	Soft Landscaping
HP306	Targeted – Northern greenhouses	Soft Landscaping
HP307	Targeted – Northern greenhouses	Soft Landscaping
HP309	Targeted – Northern greenhouses	Footprint of Proposed Building
HP310	Targeted – Northern greenhouses	Soft Landscaping
HP311	Targeted – Bund	Soft Landscaping
HP312	Targeted – Southern greenhouses	Soft Landscaping
WS401A	Targeted - Reservoir	Soft Landscaping
WS401B	Targeted - Reservoir	Soft Landscaping
WS402	Targeted - Reservoir	Soft Landscaping
WS405	Targeted – Above surface tanks	Footprint of Proposed Building
TP401	Targeted – Bund	Soft Landscaping
TP402	Targeted – Bund	Soft Landscaping
TP403	Targeted – Bund	Soft Landscaping
TP405	Targeted - Reservoir	Soft Landscaping
TP406	Targeted - Reservoir	Soft Landscaping
TP407	Targeted - Reservoir	Footprint of Proposed Building/Access

HP401	Stratified Random	Soft Landscaping
HP402	Targeted - Reservoir	Footprint of Proposed Building
HP403	Stratified Random	Soft Landscaping
HP404	Targeted – Above surface tanks	Footprint of Proposed Building
HP405	Targeted – Bund	Soft Landscaping
HP406	Targeted – Bund	Soft Landscaping
HP407	Targeted – Bund	Soft Landscaping
HP408	Targeted – Northern greenhouses	Parking/Access
HP409	Targeted – Northern greenhouses	Parking/Access
HP410	Targeted – Northern greenhouses	Soft Landscaping
HP411	Targeted – Above surface tanks	Parking/Access
HP412	Targeted – Above surface tanks	Parking/Access
HP413	Targeted – Above surface tanks	Parking/Access
HP414	Targeted – Above surface tanks	Parking/Access
HP415	Targeted – Above surface tanks	Soft Landscaping
HP416	Targeted – Bund	Soft Landscaping
HP417	Targeted – Southern greenhouses	Soft Landscaping
HP418	Targeted – Southern greenhouses	Soft Landscaping
HP419	Targeted – Southern greenhouses	Soft Landscaping
HP420	Targeted – Southern greenhouses	Soft Landscaping

6.3. Soil Risk Assessment

Sampling depths were chosen to reflect the receptor of concern (e.g. human health, controlled waters and vegetation). Samples where olfactory or visual evidence of contamination was present (TP405/190m bgl and TP406/2.00m bgl) underwent targeted scheduling. The remaining samples were scheduled under a random strategy. The receptors relevant to the sampling depths are tabulated below.

Summary of Receptors per Sample Depth	
Depth	**Receptors**
Shallow Samples (< 0.75m bgl)	• End Users (Residents/Future site visitors) • Construction workers during development • Site operatives during maintenance works • Neighbours and public • Vegetation within soft landscaped areas (shallow rooted) • Buried Concrete • Receiving landfill
Moderate Samples (0.75 – 1.50m bgl)	• Construction workers during development • Site operatives during maintenance works • Vegetation within soft landscaped areas (deep rooted) • Buried Concrete • Receiving landfill • Underground services (water pipes)
Deep Samples (> 1.50m bgl)	• Construction workers during development • Buried Concrete • Receiving landfill

Chemical laboratory testing, scheduled by Ground and Water Limited, and carried out by I2 Analytical Limited, was undertaken on series of samples as part of the October 2024 and January 2025 site investigation works. The samples were subjected to a combination of analysis that comprised:

- Asbestos screen;
- Semi-metals and heavy metals incl. Arsenic, Cadmium, Chromium (incl. Hexavalent Chromium), Copper, Lead, Mercury, Nickel, Selenium, Vanadium, Zinc;
- Polycyclic Aromatic Hydrocarbons (PAH's) incl. Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, Benzo(ghi)perylene;
- Speciated TPH including full aliphatic/aromatic split;
- BTEX compounds (Benzene, Toluene, Ethylbenzene, Xylene) and MTBE – used as marker compounds for Volatile Organic Compounds (VOCs);
- Volatile Organic Compounds (VOCs); and
- Pesticides.

A breakdown of the number of tests undertaken for each determinand is discussed in further sections. The chemical laboratory results are presented in Appendix G.

6.3.1. Soil Assessment Criteria and Results

At the time of reporting, January 2025, the proposed development was understood to comprise the demolition of the existing buildings and greenhouses on site and the construction of a mixture of detached, semi-detached, terraced and residential flats across the site totalling 74 residential plots. The terraced, semi-detached and detached properties also have associated front and rear gardens and some properties are to have garages as well. The residential flats located on the northern portion of the site will have shared public gardens and a large car park area just to the south. The proposed development plan is shown in figure 4.

Based on the proposed development, the results of the chemical laboratory testing were compared to the Generic Assessment Criteria (GAC) for a ***'Residential with homegrown produce'*** land-use scenario, as this was considered the most appropriate land-use scenario.

Where a contaminant of concern's GAC varies according to the Soil's Organic Matter (SOM), the SOM recorded for each uncontaminated soil type was used to derive the appropriate GAC for each soil type. A SOM value of 1%, the most conservative value, was utilised.

A summary of the analytical results from the October 2024 and January 2025 and the comparison to the determinands adopted screening value are presented in the tables below and overleaf.

October 2024

A set of samples (11No. Made Ground samples and 4no. Weald Clay Formation) were submitted to the accredited chemical laboratory for analysis. The results can be viewed in Appendix G. The soil Assessment Criteria can be seen in Appendix H.

Samples from TP301-TP303 and HP312 targeted the greenhouses, TP306-TP309 targeted the central area of the site and on-site tanks, HP301- HP304 targeted the pump house and bund, HP305-HP310 targeted the northern area of the site. Lastly, HP311 targeted the eastern side of the site.

Soil Contamination Test Results and Screening Values					
Determinand	**Number of Samples**	**Minimum Concentration (mg/kg)**	**Maximum Concentration (mg/kg)**	**Adopted Screening Value (mg/kg)**	**Was the adopted screening value exceeded for relevant land-use scenario?**
INORGANICS					
Asbestos	8	Yes – detected in HP311/0.10m bgl			
Cyanide (total)	8	<1.0	<1.0	24	No
Phenols	8	<1.0	<1.0	280	No
METALS					
Arsenic	8	5.5	13	37	No
Boron	8	0.30	1.50	290	No
Cadmium	8	<0.2	0.40	11	No
Chromium (III)	8	13	32	910	No
Chromium (Hexavalent)	8	<1.8	<1.8	6	No
Copper	8	6.40	23	2,400	No
Lead	8	11	450	200	Yes – HP309/0.10m bgl
Mercury	8	<0.3	<0.3	1.2	No
Nickel	8	5.70	9.60	130	No
Selenium	8	<1	<1	250	No
Vanadium	8	21	37	410	No
Zinc	8	27	200	3,700	No
TOTAL PETROLEUM HYDROCARBONS (TPHs)					
Aliphatic >C5 - C6	4	<0.01	<0.01	42	No
Aliphatic >C6 - C8	4	<0.01	<0.01	100	No
Aliphatic >C8 - C10	4	<0.01	<0.01	27	No
Aliphatic >C10 - C12	4	<1.0	<1.0	130	No
Aliphatic >C12 - C16	4	<2.0	<2.0	1,100	No
Aliphatic >C16 - C21	4	<8.0	<8.0	65,000	No
Aliphatic >C21 - C35	4	<8.0	<8.0		
Aliphatic >C35 – C44	4	<10	<10	65,000	No
Aromatic >C5 - C7	4	<0.01	<0.01	70	No
Aromatic >C7 - C8	4	<0.01	<0.01	130	No
Aromatic >C8 - C10	4	<0.02	<0.02	34	No
Aromatic >C10 - C12	4	<1.0	<1.0	74	No
Aromatic >C12 - C16	4	<2.0	<2.0	140	No
Aromatic >C16 - C21	4	<10	<10	260	No
Aromatic >C21 - C35	4	<10	<10	1,100	No
Benzene	4	<0.005	<0.005	0.087	No
Toluene	4	<0.005	<0.005	130	No
Ethylbenzene	4	<0.005	<0.005	47	No

m,p-Xylene	4	<0.005	<0.005	56	No
o-Xylene	4	<0.005	<0.005	60	No
POLYCYCLIC-AROMATIC HYDROCARBONS					
Acenapthene	16	<0.05	0.29	210	No
Acenapthylene	16	<0.05	0.22	170	No
Anthracene	16	<0.05	0.64	2,400	No
Benzo(a)anthracene	16	<0.05	3.4	7.2	No
Benzo(a)pyrene	16	<0.05	5.5	2.2	Yes – HP302/HP303 and HP310 at 0.10m bgl
Benzo(b)fluoranthene	16	<0.05	6.5	2.6	Yes – HP302/HP303 and HP310 at 0.10m bgl
Benzo(ghi)perylene	16	<0.05	3.90	320	No
Benzo(k)fluoranthene	16	<0.05	2.80	77	No
Chrysene	16	<0.05	4.60	15	No
Dibenzo(a,h)anthracene	16	<0.05	0.61	0.24	Yes – HP302/HP303/HP310 and HP311/0.10m bgl
Fluoranthene	16	<0.05	10.00	280	No
Fluorene	16	<0.05	<0.05	170	No
Indeno(1,2,3-cd)pyrene	16	<0.05	3.30	27	No
Naphthalene	16	<0.05	0.51	2.3	No
Phenanthrene	16	<0.05	4.50	95	No
Pyrene	16	<0.05	9.10	620	No
MARKER FOR VOLATILE ORGANIC COMPOUND					
Methyl tert-butyl ether (MTBE)	4	< 0.0005	< 0.0005	49	No
PESTICIDES					
Pesticides	3	<0.010	0.017	0.032	No

The derivation of the Soil Assessment Criteria used within this report can be seen within Appendix H. The soil concentrations were typically compared to the LQM/CIEH Suitable for Use Levels (S4UL) (2014), based upon the assumption of 1% soil organic matter. A screening value for Lead is based on the Category 4 Screening Levels (C4SLs). Where no S4UL or C4SL is available for Cyanide, a SoBRA acute GAC is assigned. Where no S4UL or C4SL is available for MTBE, a CL:AIRE 2010 GAC is assigned. Where exceedances are noted, the trial hole and depth of sample is recorded.

January 2025

A set of samples (19No. Made Ground samples and 8no. Weald Clay Formation and 4no. of reworked material) were submitted to the accredited chemical laboratory for analysis.

Soil Contamination Test Results and Screening Values					
Determinand	**Number of Samples**	**Minimum Concentration (mg/kg)**	**Maximum Concentration (mg/kg)**	**Adopted Screening Value (mg/kg)**	**Was the adopted screening value exceeded for relevant land-use scenario?**
INORGANICS					
Asbestos	18	ND	ND	ND	No
Cyanide (total)	18	< 1	< 1	24	No
Phenols	18	< 1	< 1	280	No
METALS					
Arsenic	18	8.2	20	37	No
Boron	18	0.80	2	290	No
Cadmium	18	< 0.2	1.10	11	No
Chromium (III)	18	13	31	910	No
Chromium (Hexavalent)	18	< 1.80	< 1.80	6	No
Copper	18	11	82	2,400	No
Lead	18	12	4200	200	Yes – HP401/0.20m bg; HP403/0.10m bgl HP413/0.10m bgl HP406/0.40m bgl HP407/0.10m bgl TP402/0.90m bgl TP405/1.90m bgl TP406/2.00m bgl
Mercury	18	< 0.3	< 0.3	1.2	No
Nickel	18	5.2	45	130	No
Selenium	18	< 1	< 1	250	No
Vanadium	18	30	41	410	No
Zinc	18	40	1400	3,700	No
TOTAL PETROLEUM HYDROCARBONS (TPHs)					
Aliphatic >C5 - C6	19	< 0.010	< 0.010	42	No
Aliphatic >C6 - C8	19	< 0.010	< 0.010	100	No
Aliphatic >C8 - C10	19	< 0.010	< 0.010	27	No
Aliphatic >C10 - C12	19	< 1.0	4.80	130	No
Aliphatic >C12 - C16	19	< 2	43.0	1,100	No
Aliphatic >C16 - C21	19	< 8	210	65,000	No
Aliphatic >C21 - C35	19	< 10	140		
Aliphatic >C35 – C40	19			65,000	No
Aromatic >C5 - C7	19	< 0.010	< 0.010	70	No
Aromatic >C7 - C8	19	< 0.010	< 0.010	130	No
Aromatic >C8 - C10	19	< 0.02	< 0.02	34	No
Aromatic >C10 - C12	19	< 1.0	1.40	74	No
Aromatic >C12 - C16	19	< 2.0	22.0	140	No
Aromatic >C16 - C21	19	< 10	100	260	No
Aromatic >C21 - C35	19	< 10	130	1,100	No
Aromatic >C35 – C40	19			1100	

Benzene	9	< 0.002	< 0.002	0.087	No
Toluene	9	< 0.005	< 0.005	130	No
Ethylbenzene	9	< 0.002	< 0.002	47	No
m,p-Xylene	9	< 0.008	< 0.008	56	No
o-Xylene	9	< 0.002	< 0.002	60	No
POLYCYCLIC-AROMATIC HYDROCARBONS					
Acenapthene	26	< 0.05	0.43	210	No
Acenapthylene	26	< 0.05	0.26	170	No
Anthracene	26	< 0.05	0.82	2,400	No
Benzo(a)anthracene	26	< 0.05	2.80	7.2	No
Benzo(a)pyrene	26	< 0.05	5.30	2.2	Yes – TP406/2.00m bgl
Benzo(b)fluoranthene	26	< 0.05	9.00	2.6	Yes - TP406/2.00m bgl HP412/0.10m bgl
Benzo(ghi)perylene	26	< 0.05	3.70	320	No
Benzo(k)fluoranthene	26	< 0.05	3.70	77	No
Chrysene	26	< 0.05	7.30	15	No
Dibenzo(a,h)anthracene	26	< 0.05	0.74	0.24	Yes - TP406/2.00m bgl HP412/0.10m bgl
Fluoranthene	26	< 0.05	15.0	280	No
Fluorene	26	< 0.05	0.87	170	No
Indeno(1,2,3-cd)pyrene	26	< 0.05	3.60	27	No
Naphthalene	26	< 0.05	0.1	2.3	No
Phenanthrene	26	< 0.05	8.7	95	No
Pyrene	26	< 0.05	11	620	No
MARKER FOR VOLATILE ORGANIC COMPOUND					
Methyl tert-butyl ether (MTBE)	9	< 0.005	< 0.005	49	No
PESTICIDES					
Pesticides	8	<0.010	0.054	0.032	Yes - HP417 and HP420/0.10m bgl
The derivation of the Soil Assessment Criteria used within this report can be seen within Appendix H. The soil concentrations were typically compared to the LQM/CIEH Suitable for Use Levels (S4UL) (2014), based upon the assumption of 1% soil organic matter. A screening value for Lead is based on the Category 4 Screening Levels (C4SLs). Where no S4UL or C4SL is available for Cyanide, a SoBRA acute GAC is assigned. Where no S4UL or C4SL is available for MTBE, a CL:AIRE 2010 GAC is assigned. Where exceedances are noted, the trial hole and depth of sample is recorded.					

The proposed development includes areas of soft-landscaping, where shallow rooted vegetation may be exposed to aggressive ground conditions. The previous table compares the results of the laboratory analysis to GAC that is protective of Human Health and therefore different GAC is required for vegetation.

Soil Contamination Test Results and Screening Value (October 2024 and January 2025)					
Determinand	**Number of Samples**	**Minimum Concentration (mg/kg)**	**Maximum Concentration (mg/kg)**	**Adopted Screening Value (mg/kg)**	**Was the adopted screening value exceeded for relevant land-use scenario?**
Copper	26	6.40	82	100	No

Nickel	26	5.2	45	60	No
Zinc	26	27	1400	200	Yes – HP401/0.10m bgl HP413/0.10m bgl, and TP406/2.00m bgl
The derivation of the Soil Assessment Criteria used within this report can be seen within Appendix H. The soil concentrations were compared to BS3882:2015 *Specification for Topsoil* and based on differing pH. For the purpose of conservatism, the pH of the soils have been assumed to be below 6 within this table. Where exceedances are noted, the trial hole and depth of sample is recorded.					

6.3.2. Soil Assessment

The comparison between the laboratory analysis from October 2024 and the assessment criteria indicates that there is an unacceptable risk to future receptors caused by exceedances of the following determinands: Lead; Benzo(a)pyrene; Benzo(b)fluoranthene; and Dibenzo(a,h)anthracene. The remaining determinands were identified at below the adopted screening value and are not considered to represent an unacceptable risk to future receptors. Where an unacceptable risk to future receptors remains, mitigation is required.

Dibenzo(a,h)anthracene was noted to be elevated within samples of Made Ground from HP311/0.10, HP302/0.10, HP303/0.10, HP310/0.10 and in HP311/0.10m when compared to C4SL of 0.24mg/kg. Benzo(a)pyrene and Benzo(b)fluoranthene were elevated within HP302, HP303 and HP310 at 0.10m bgl. Lead was also found to be elevated within HP309 at 0.10m bgl.

Asbestos was identified within one sample (HP311/0.10m) as chrysotile sheeting/board debris. An Asbestos Management Strategy should be put in place so that any potentially asbestos containing materials are identified and removed from site in a suitable manner to prevent cross-contamination.

Within the October 2024 site works trial pits were undertaken within the greenhouse structures within the southern section of the site and samples were analysed for pesticides. The concentrations of pesticides were generally recorded beneath the laboratories limit of detection with the exception of 1no. sample (TP303/0.20m bgl) where P,p'-DDT or p,p'-Dichlorodiphenyltrichloroethane was recorded at 0.017mg/kg. Whilst a specific threshold value is not available for P,p'-DDT the recorded value is found to be below the assessment criteria for Dichlorvos which is considered to be the lowest for pesticides (0.032mg/kg) and most conservative approach.

The comparison between the laboratory analysis from January 2025 and the assessment criteria indicates that there is an unacceptable risk caused by exceedances of the following determinands: Lead (HP401/0.20m bg, HP403/0.10m bgl, HP413/0.10m bgl, HP406/0.40m bgl, HP407/0.10m bgl, TP402/0.90m bgl, TP405/1.90m bgl and TP406/2.00m bgl), Benzo(a)pyrene (TP406/2.00m bgl), Benzo(b)fluoranthene (TP406/2.00m bgl and HP412/0.10m bgl) , Dibenzo(a,h)anthracene (TP406/2.00m bgl and HP412/0.10m bgl) and P,p'-DDT (HP417 and HP420/0.10m bgl).

Trial holes HP417-HP420 were undertaken within the vicinity of TP303 within the footprint of the historical greenhouses to confirm whether the previously identified P,p'-DDT formed part of a wider area of pesticide contamination. Similarly to the October 2024 results the pesticides were generally recorded below the laboratories limit of detection with the exception of P,p'-DDT and P,p'-DDE and

were compared to the assessment criteria for Dichlorvos which is considered to be the lowest for pesticides (0.032mg/kg) and most conservative approach. Exceedances related to P,p'-DDT were recorded within HP417/0.10m bgl (0.054mg/kg) and HP420/0.10m bgl (0.046mg/kg).

Comparison between the laboratory analysis undertaken on the natural material and the assessment criteria did not identify any elevated concentrations of contaminants within the natural material.

Due to the nature of the contamination encountered at the site, it is considered that there is an unacceptable risk to future receptors. Remediation, as outlined later within this report is required as part of any site development.

An **Asbestos Management Strategy** should be put in place so that any potentially asbestos containing materials are identified and removed from site in a suitable manner to prevent cross-contamination.

6.3.3. Water Supply Pipe Risk Assessment

As part of the proposed development it is expected that new water supply pipes will be installed at the site. Water supply pipes have the potential to be exposed to contaminants in the ground that can lead to unacceptable concentrations within the drinking water. If a risk is identified, specialist pipes that are protective of the drinking water are required.

A pipe selection risk assessment should be submitted to the water supply company as part of the development based on the supplier's assessment criteria. An indication of whether there is likely to be a risk can be seen tabulated below, where the PE pipe thresholds are based on *UKWIR Contaminated Land Assessment Guidance, 2014*.

Pipe Selection Risk Assessment			
Determinand	**PE Pipe Threshold (mg/kg)**	**Laboratory Analysis Range (mg/kg)**	**Was the Threshold Exceeded?**
Total BTEX and MTBE	0.1	LOD	No
Phenols	2	LOD	No
TPH EC5 – EC10 (aliphatics and aromatics)	2	LOD	No
TPH EC10 – EC16 (aliphatics and aromatics)	10	LOD – 29.0	Yes
TPH EC16 – EC40 (aliphatics and aromatics)	500	1069	Yes
Naphthalene	5	0.51	No

The Water Supply pipe risk assessment indicated that the use of PE pipes is inappropriate at the site due to the concentrations of TPH within the soils. It is therefore recommended that the use of Metal or Barrier pipes are implemented as part of the design in order to prevent an unacceptable risk to future receptors.

6.4. Groundwater Risk Assessment

In the UK, the water environment is protected under a number of regulatory regimes, mainly governed by the Environment Agency. The Environment Agency is consulted when there may be a risk to Controlled Waters, or where a pollution incident has occurred historically. The Water Framework Directive is implemented in various guises covering groundwater, surface water and drinking water supply.

The soil samples analysed as part of the risk assessments have been used to undertake a Level 1 (soils) Controlled Waters risk assessment. At Level 1 (soils), the conceptual site model and the determinand concentrations of the soils are used to indicate whether the concentrations are sufficient to impact the receptor. At this stage, dilution, dispersion and attenuation along the pathway are not considered.

From analysis of hydrogeological and topographical maps the groundwater table was anticipated to be encountered at shallow to moderate depth within the Head Deposits capping the impermeable Weald Clay Formation. Perched water was also likely to be found within the Made Ground, especially after periods of intense or prolonged rainfall. It was considered that the groundwater was flowing southwards, towards the Lancing Brook and in alignment with local topography.

The nearest surface water feature was observed to be the Lancing Brook located approximately 45m south of the site. A pond was noted approximately 70m south of the site.

During the site investigation, Made Ground was encountered to depths of between 0.05-1.20m bgl, overlying sandy clay and Sand of the Head Deposits on the southern portion of the site with the rest of the site underlain by the Weald Clay Formation. Groundwater strikes were recorded across the site at depths of between 0.60-2.00m bgl.

Comparison between the soil laboratory analysis and the derived Level 1 (soils) target concentrations indicate that some determinands may have the theoretical potential to pose a risk to Controlled Waters. It should be noted that a number of determinands at laboratory limit of detection exceed the target concentration for a Level 1 (soils) risk assessment. Where a determinand is identified at the laboratory limit of detection, no further assessment is considered necessary.

Given the Level 1 risk assessment does not consider dilution, dispersion or attenuation, and the conceptual site model shows the nearest main receptor / compliance point to be the Lancing Brook, 45m south of the site, the fact that the soils on site comprised cohesive clay soils which are considered to impermeable, therefore reducing the risk of contaminants migrating off site, it is not expected that the soils on-site represent an unacceptable risk to controlled water receptors. No further action is considered necessary.

6.5. Ground Gas Risk Assessment

A review of Phase I desk study produced by a Third Party, did not identify any source of ground gas on-site or within influencing distance of the site that warranted investigation through ground gas monitoring. The only source of ground gases was anticipated to be limited Made Ground and therefore classified as 'Low risk', where the pragmatic approach to ground gas risk assessment presented within the CL:AIRE research bulletin RB17 and included within Annex D of BS8485:2015+A1:2019 can be considered.

6.5.1. Pragmatic Approach

The alternative approach to ground gas risk assessment considers the uncertainty from the measurement of ground gas concentrations and flow rates in monitoring wells for low-risk sites and removes the need for monitoring. Low risk sites typically comprise:

- Natural soils with high carbonate content (e.g. chalk);

- Natural soils that can produce gases (e.g. alluvium, peat etc.);
- Made Ground between 1.00m to 5.00m, with low organic content; and
- Areas of flooded mine workings, unless a building is to be within 20m of shaft or adit.

The method considers the gas generation potential of the soils from data that is not subject to external influences, for example atmospheric pressure can change the recorded flow and concentrations of ground gas during spot monitoring, or a rising groundwater level can displace ground gases in pore spaces. Determination of the characteristic situation is based on the total organic carbon (TOC) of the soils, coupled with any organic-rich material identified within the borehole logs, such as wood gravels. TOC is easily analysed by the laboratory and can also be calculated by the equation outlined below.

Total Organic Carbon (TOC) = 0.58 x Soil Organic Matter (SOM) = 1.33 x Degradable Organic Carbon (DOC)

As part of the original investigation works undertaken in May 2023, ten samples of the Made Ground were submitted to the laboratory for analysis, which identified TOC to vary between <0.2 and 3.05% in the Made Ground. The trial hole logs identified the gravels within the Made Ground to comprise; flint, brick, wood, glass and ash/bituminous material. Made Ground was identified to a maximum depth between 0.05 and 1.20m bgl.

As part of the secondary investigation works undertaken in December 2023, four samples of the Weald Clay Formation and one sample of the Made Ground were submitted to the laboratory for analysis, which identified TOC to vary between <0.2 and 0.913% in the Weald Clay Formation and 4.12% in the Made Ground. The trial hole logs identified the gravels within the Made Ground to comprise; flint, brick and bituminous material. Made Ground was identified to a maximum depth between 0.05 and 0.25m bgl.

During the October 2024 site investigation works 8no. samples of Made Ground and 2no. samples of the Weald Clay Formation were submitted to the laboratory for analysis, which identified TOC to vary between 1.4 and 3.0% in the Weald Clay Formation and <0.1-3.1% in the Made Ground. The trial hole logs identified the gravels within the Made Ground to comprise; flint, brick, Type 1 gravel and road planings. Made Ground was identified to a maximum depth between 0.10 and 0.15m bgl.

6.5.2. Data Quality

A review was made of the quality of the available data for the site, which can be viewed in the table below. CIRIA Report C665 (2007), BS 8485:2015+A1:2019 and BS 8576:2013 stress the need for risk assessments to be based on good quality data and give guidance as to best practice in this respect.

Review of Data Quality			
Data Type	**Current Understanding**	**UK Practice**	**Recommendation**
Geological and hydro-geological conditions	The CSM identified the site to be located on limited Made Ground overlying both permeable and impermeable strata of the Head Deposits and Weald Clay Formation. The exception to this being the identified reservoir structure	CIRA C665 & C659, Wilson and Card (1999) and BS 8485 recommend that geology and hydrogeology be fully understood.	The geological and hydrogeological model is understood to a standard that will not compromise the findings of the risk assessment.

	and its contents within the southwestern corner which recorded Made Ground up to 2.50m bgl however this is proposed for removal as part of the remediation works. During the phases of site works groundwater has been encountered at depths of between 0.30->1.00m bgl.		**No further action required.**
Soil Laboratory Analysis	A dataset of soil analysis from 44No. samples have identified a range of TOC concentrations between <0.1-4.40%.	CL:AIRE RB17 outlines an approach to ground gas risk assessment away from the influences that directly affect ground gas monitoring. It should typically be used on sites with limited sources identified in the CSM and Made Ground with average thickness <3m and maximum thickness <5m. TOC should be < 6%.	The TOC concentrations are below the limit of 6% in order to use the soil derived approach for the risk assessment. **No further action required.**

6.5.3. Risk Assessment

The various phases of intrusive investigation has revealed a maximum thickness of Made Ground of 1.20m overlying Head Deposits comprising cohesive and granular soils as well as the Weald Clay Formation comprising cohesive soils. Site has undergone a previous phase of construction and limited degradable material has been identified. The exception to this being the identified reservoir structure and its contents within the southwestern corner which recorded Made Ground up to 2.50m bgl. The introduction of oxygen to the Made Ground through redevelopment may lead to an initial increase of ground gas generation as degradable material within the soils present on-site may act as source of ground gas. The soils at the site are considered to be of variable permeability (low to high) in nature and pathways for ground gas migration will be present.

Using the soil derived method, it is considered that a TOC value of <1% within soil is unlikely to pose an unacceptable risk from ground gases and the site can be characterised as Characteristic Situation CS1. Any value between 3 and 6 % warrants classification as a Characteristic Situation CS3. Any value over 6% requires investigation through ground gas monitoring. Any site with Made Ground <2.00m bgl will have a limited gas generation potential from the organic carbon present and consideration should be given to this thickness within the risk assessment.

An alternative approach for ground gas risk assessment (CL:AIRE RB17) can be considered utilising measured concentrations from soil parameters that are independent of influencing factors such as atmospheric pressure and groundwater level. Total Organic Carbon (TOC) was tested on 44No. samples with the analytical results ranging between <0.1 and 4.40%.

Based on the soil derived method outlined, the history of the site and the general TOC concentrations encountered, together with the generally limited thickness of made Ground, the soils from site would warrant classification as Characteristic Situation CS1. Six samples of the Made Ground were noted to be slightly over 3% TOC with the rest all below 3% although 3 of these samples related to the infilled reservoir structure which is to be removed as part of the remediation works. Based on this and the absence of organic material within the Made Ground and the overall low TOC values on samples tested it was concluded the site was Characteristic Situation CS1. It should be noted that this only represents the assessment from an on-site source.

6.6. Vapour Risk Assessment

The CSM identified a source of contamination that may pose an unacceptable risk to receptors through vapours.

6.6.1. Soil Assessment

In order to assess the potential for a vapour risk at the site, soil samples were sent to the laboratory for analysis (Appendix G). The testing suites included contaminants that may be present in the vapour phrase (Mercury, Napthalene, TPHs and volatile Organic Compounds (VOCs)) taken within Made Ground samples in close proximity to the above surface tanks, as well as samples from the infill material encountered within the reservoir.

All samples scheduled (10No.) identified VOCs at concentrations lower than the laboratory limit of detection. All samples also identified SVOC's at concentrations lower than the laboratory limit of detection with the exception of TP406 at 2.00m bgl where the following were recorded above the laboratory limit; Dibenzofuran at 0.40mg/kg, Carbazole at 0.50mg/kg and Anthraquinone at 2.60mg/kg. A specific assessment criterion is not published for these and so the values have been compared to the lowest SVOC, Vinyl Chloride at 0.00014mg/kg and therefore identified to exceed the assessment criteria. However, this sample relates to the infill material within the reservoir structure which is to be removed as part of the remedial works. This is also likely to be an overconservative number to compare against.

6.7. Updated Conceptual Site Model

Following completion of the Phase 2 Site Investigation, the CSM, inclusive of associated risk, within Section 2.8 of this report was re-evaluated.

For ease of reference and understanding, the risks have been re-assigned within this risk assessment against three possible levels / categories, summarised in the table below.

Risk Categories used in the Tabulated CSM	
Low Risk	Regarding this potential SPR linkage, the site is considered suitable for the proposed end-use and there is not considered to be an unacceptable risk to receptors.
Moderate Risk	Regarding this potential SPR linkage, the site is suitable for the proposed end-use however remediation and/or further investigation is required.

High Risk	Regarding this potential SPR linkage, the site is not suitable for proposed end-use and there is an unacceptable risk to receptors. Urgent action required in the short term.

Tabulated Conceptual Site Model – Pollutant Linkage Summary (On-Site Sources)			
Potential Sources	Potential Absorption Pathways	Potential Receptors	Risk Classification
Made Ground from construction/ demolition activities: • Asbestos, • PAHs, • TPHs, • VOCs, • Sulphates, and • Metals.	• Direct ingestion of soil and soil derived dust • Dermal contact of soil and soil derived dust • Inhalation of dust (indoors and outdoors) with elevated concentration of determinands • Ingestion of home-grown produce, and soils attached • Direct ingestion of groundwater • Inhalation of volatile vapour (indoors and outdoors)	**Human Health** • End Users (Residents/Future site visitors) • Construction workers during development • Site operatives during maintenance works • Neighbours and public	**Moderate-High** Exceedances related to Lead, Arsenic, asbestos and PAHs
	• Direct uptake of groundwater • Direct uptake of determinands in the soil	**Flora and Fauna** • Vegetation within soft landscaped areas	**Low**
	• Anthropogenic (man-made) pathways • Vertical and lateral migration in permeable strata • Surface water runoff	**Controlled Waters** • Secondary Undifferentiated Aquifer (Head Deposits) • Lancing Brook	**Low**
Aggressive ground conditions with Made Ground and natural ground, including groundwater: • PAH/TPH.	• Direct contact with aggressive ground conditions	**Building Materials and Services** • Underground services (water pipes)	**Moderate** Barrier pipes required
Aggressive ground conditions with Made Ground and natural ground, including groundwater: • Sulphates,	• Direct contact with aggressive ground conditions	**Building Materials and Services** • Buried Concrete	**Low**
Potential leaks/spills from on-site tanks: • PAHS • TPHs • VOCs	• Direct ingestion of soil and soil derived dust • Dermal contact of soil and soil derived dust • Inhalation of dust (indoors and outdoors) with elevated concentration of determinands • Ingestion of home-grown produce, and soils attached • Direct ingestion of groundwater • Inhalation of volatile vapour (indoors and outdoors)	**Human Health** • End Users (Residents/Future site visitors) • Construction workers during development • Site operatives during maintenance works Neighbours and public	**Moderate** Exceedances related to PAHs within proximity of the tanks
	• Anthropogenic (man-made) pathways • Vertical and lateral migration in permeable strata • Surface water runoff	**Controlled Waters** • Secondary Undifferentiated Aquifer (Head Deposits)	**Low**

		• Lancing Brook	
Sites historical use as greenhouses/nurseries: • Asbestos • Metals, • Pesticides, • PAHs, • TPHs.	• Direct ingestion of soil and soil derived dust • Dermal contact of soil and soil derived dust • Inhalation of dust (indoors and outdoors) with elevated concentration of determinands • Ingestion of home-grown produce, and soils attached • Direct ingestion of groundwater • Inhalation of volatile vapour (indoors and outdoors)	**Human Health** • End Users (Residents/Future site visitors) • Construction workers during development • Site operatives during maintenance works Neighbours and public	**Moderate** Exceedances related to pesticides.
	• Direct uptake of groundwater • Direct uptake of determinands in the soil	**Flora and Fauna** • Vegetation within soft landscaped areas	**Low**
	• Anthropogenic (man-made) pathways • Vertical and lateral migration in permeable strata • Surface water runoff	**Controlled Waters** • Secondary Undifferentiated Aquifer (Head Deposits) Lancing Brook	**Low**
Ground gases generated by Made Ground: • Methane, • Carbon Dioxide, • Hydrogen Sulphide, and • Carbon Monoxide.	• Migration through anthropogenic & natural pathways • Inhalation of Asphyxiating gases • Explosion (methane only)	**Human Health** • End Users (Residents/Future site visitors) • Construction workers during development (especially in confined spaces) • Site operatives during maintenance works in confined spaces • Neighbours and public	**Low**
	• Migration through anthropogenic & natural pathways • Explosion (methane only)	**Building Materials and Services** • Buildings • Confined spaces • Underground services	**Low**

Tabulated Conceptual Site Model – Pollutant Linkage Summary (Off-Site Sources)			
Potential Sources	Potential Absorption Pathways	Potential Receptors	Risk Classification
Made Ground from construction/ demolition activities: • Asbestos, • PAHs, • TPHs, • VOCs, • Sulphates, and • Metals.	• Direct ingestion of soil and soil derived dust • Dermal contact of soil and soil derived dust • Inhalation of dust (indoors and outdoors) with elevated concentration of determinands • Direct ingestion of groundwater • Inhalation of volatile vapour (indoors and outdoors)	**Human Health** • End Users (Residents/Future site visitors) • Construction workers during development • Site operatives during maintenance works	**Moderate**
	• Direct uptake of groundwater	**Flora and Fauna** • Vegetation within soft landscaped areas	**Low**
Aggressive ground conditions associated with impacted groundwater; • Sulphates, • PAH/TPH.	• Direct contact with aggressive ground conditions	**Building Materials and Services** • Buried Concrete • Underground services (water pipes)	**Moderate**

7. CONTAMINATION RECOMMENDATIONS AND REMEDIATION STRATEGY

Based on the results of the intrusive works, chemical analyses and risk assessments undertaken, the following has been identified that requires further action:

- Across all phases of site investigation works undertaken at the site, seven contaminants (Arsenic, Lead, P,p'-DDT, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, and Dibenzo(a,h)anthracene have been found at an unacceptable concentrations within shallow Made Ground across the site.
- Asbestos has been identified within HP311/0.10m bgl as chrysotile sheeting/board debris at the base of the bund. Samples analysed from the bund also identified lead above the assessment criteria primarily positioned within the central section of the bund and extending to the north.
- The historical reservoir has been identified within the southwestern corner and found to be infilled with rubble and debris. Laboratory analysis has identified lead, PAHs and SVOC's at unacceptable concentrations within the infill material.

An Asbestos Management Strategy should be put in place so that any potentially asbestos containing materials are identified and removed from site in a suitable manner to prevent cross-contamination.

7.1. Soils

7.1.1. Infilled Reservoir (south-western corner)

Trial hole locations TP405-TP407 were located within the vicinity of the historical reservoir within the south-western corner. This area was also noted to have a slightly raised ground level. TP405 and TP406 identified the southern perimeter wall of the reservoir structure and the trial holes revealed a significant amount of rubble and debris including vehicle parts used to infill the reservoir structure. TP407 identified the southern and western perimeter walls and the trial hole was excavated along the external side of the northern wall identifying the base of the reservoir (2.30-2.50m bgl) and proved natural ground (orangish brown and grey sandy CLAY) beneath the slab. It was also concluded that the infill material and associated contamination identified from laboratory analysis was contained within the reservoir structure.

A plan showing the approximate extent of the reservoir can be found within Figure 8.

Based on the available information within this report it was proposed that the following remedial methodology shall be undertaken with relation to the reservoir structure:

- Removal of the structure and its contents and removal of surrounding Made Ground, both horizontally and vertically, and potential reworked material to the east covering Plots 50-55;
- Validation of resultant void;
- Placement of soils to backfill void;
- Validation of the clean capping system by a suitably trained Ground and Water Limited engineer.

Full liaison must be made with the statutory authority, prior to the implementation of this remediation strategy and/or removal of soils from the site. All works must be undertaken to meet their approval.

Removal of Structure and Contents

The reservoir structure and its contents will be excavated and removed. The excavation must also be extended both horizontally and vertically in all directions until all significant depths of Made Ground and reworked ground have been excavated and clean soils or reworked soils that are proven to be clean via laboratory analysis are encountered.

Contaminated materials (as per the reuse criteria) shall be either removed from site or processed to make them suitable for reuse onsite subject to the reuse criteria. Any excavated uncontaminated soils may be reused onsite under DoWCoP below the proposed capping layer. The void shall be backfilled with suitable site-won or imported non-organic soils.

Following removal the void shall be inspected and samples must be taken from the base and walls of the excavation and tested for lead, TPH and PAH's to enable validation that the associated contamination has been removed. Should these samples indicate unacceptable concentrations, further removal is required. The excavation must remain open until the laboratory analysis is completed and confirms that the base and sides are not contaminated.

Materials must be removed and stockpiled on an impermeable liner with raised edges and covered at all times. This contamination stockpile destined for removal from site shall be stored away from imported soils to avoid cross-contamination. Materials to be removed off-site must be classified by carrying out Waste Acceptance Produce (WAP) testing. A registered contractor must undertake the removal of waste. Consignment notes for the removal of waste must be obtained and kept for inclusion within the final validation Report.

Root Protection Zones

Root Protection Zones are recorded along the southern boundary of the site in close proximity to the area of remediation detailed above. The remedial methodology for these areas has been agreed with the Tree Officer. The remedial excavations will be undertaken up to the line of root protection areas then works shall pause to allow for sampling and analysis of the edge of the excavation. If contamination is still present, then excavation will continue by hand with manual tools in accordance with the methodology stated within the agreed Arboriculture Method Statement ref RC0339 / Chanctonbury Nurseries / Rev 02 / Planning / 07-03-25 to remove contaminated material within the Root Protection Zone and backfilled with clean capping. The process must be supervised by an appointed arboriculture consultant.

A plan showing the Root Protection Zones in relation to the proposed development can be seen within Figure 9.

Clean Capping of Soil

Following confirmation from the laboratory analysis that the base and side of the excavation are not contaminated the resulting void shall be backfilled suitable site-won or imported non-organic soils. Given the depth of the void the backfill material shall comprise compacted, selected and treated soils that are compliant with the Earthwork Specification (Specification for Highway Works - General Fill), which is not organic in nature to allow for structural stability and to not pose a potential ground gas

risk to the residential dwellings. The treatment and testing of the soils will include analysis of Total-Organic content.

The top 150mm of the clean capping shall comprise suitable topsoil for use as a growing medium. It is a requirement that this shall be no less than 100mm thick with subsoil utilised to reach the required 600mm capping.

All subsoil and topsoil must be fit for purpose to ensure that the receptors cannot come into contact with determinands that could be detrimental to their health, see 'Imported Material' Section 4.8.

Validation

The remediation works outlined above will need to be inspected and independently validated by a Ground and Water Limited Engineer. All excavations will need to be inspected, documented and photographed.

The remediation works shall be validated through a site visit, sampled and photographed by a suitably trained Ground and Water Limited Engineer following the removal, and after placement of the clean soils.

Validation samples of the material proposed for backfill of the reservoir void shall be taken at a ratio of 1 sample per 500m^3 of soil. The top 150mm of the clean caping shall comprise suitable topsoil and due to the design of the proposed development, validation shall be undertaken at a rate of 1 validation trial hole and 1 sample of clean cover per plot.

All stages must be photographed for inclusion within the validation report.

7.1.2. Bund (eastern site boundary)

Trial holes into the bund along the eastern boundary of the site identified it to comprised Made Ground up to ~0.30m bgl over reworked ground. Laboratory analysis of samples retrieved from the bund has identified exceedances of lead in relation to the assessment criteria and asbestos has also been detected.

The extent of the bund does extend into areas proposed for soft-landscaped gardens and some communal soft-landscaped areas. It is therefore proposed as part of the construction that the bund will be removed from gardens and the footprint of properties to facilitate construction. A plan showing the extent of the bund to be removed can be found in Figure 10. Some of the bund is to remain due to the presence of self-seeded trees however this will not form part of the proposed garden areas and will not be accessible to site users/residents. As part of the proposed development the gardens will be fenced off from the bund therefore preventing access. A retaining structure at the base of the fence will separate the garden and bund at low level, thus preventing the bund from becoming part of the gardens at a later date. Access from any communal areas to the bund will again be prevented with the introduction of fences between communal areas and the bund. The remaining bund area will also be controlled by the Management Company appointed to maintain the communal areas. The identified lead and asbestos are located within sections of the bund which will require removal to enable the formation of the gardens and properties. Following the partial removal of the bund to facilitate

construction further sampling and analysis across the remaining portions of the bund is required to confirm removal of the identified contamination.

Reuse of any soils relating to the bund is subject to treatment, removal of visible asbestos fragments and the submission and approval of a DoWCoP MMP by a QP and CLAIRE. The reuse of soils from the bund will be limited to beneath the site cover system which will be limited to beneath buildings, hardstanding or appropriate clean capping in gardens/soft-landscaping.

Root Protection Zones

Root Protection Zones are recorded along the eastern boundary of the site in close proximity to the area of remediation detailed above. The remedial methodology for these areas has been agreed with the Tree Officer. The remedial excavations will be undertaken up to the line of root protection areas then works shall pause to allow for sampling and analysis of the edge of the excavation. If contamination is still present, then excavation will continue by hand with manual tools in accordance with the methodology stated within the agreed Arboriculture Method Statement ref RC0339 / Chanctonbury Nurseries / Rev 02 / Planning / 07-03-25 to remove contaminated material within the Root Protection Zone and backfilled with clean capping. The process must be supervised by an appointed arboriculture consultant.

A plan showing the Root Protection Zones in relation to the proposed development can be seen within Figure 9.

7.1.3. Above Surface Tanks and Associated Infrastructure

The former above surface tanks were removed as part of the demolition works. The associated diesel pipeline is to be appropriately decommissioned and removed from site as part of the development works. This process must include the off-site removal of any potentially contaminated liquids, sludges or oil product, as well as any visual or olfactorily contaminated soils that surround the infrastructure. Following removal of the pipeline the underlying soils shall be sampled and analysed to confirm presence/absence of contamination.

Whilst the tanks have already been removed the associated concrete hardstanding is still present and are to be removed as part of the remedial works. Sampling and analysis shall be undertaken beneath the footprint of the slab following its removal.

7.1.4. Additional Pesticide Analysis

The phases of site investigation included laboratory analysis for pesticides. The results identified concentrations of pesticides as generally below the laboratories limit of detection with the exception of P,p'-DDT within HP417/0.10m bgl and HP420/0.10m bgl. Following removal of Made Ground in this area, to confirm the absence of pesticide impact on the underlying natural soils, additional sampling and analysis shall be undertaken at formation level.

It is recommended that samples of the natural soil formation level below the locations where an exceedance was highlighted in undertaken and then again a further 3-5m north, south, east and west from this location.

7.1.5. All Soft-Landscaped Private Garden Areas

It is understood that within the soft-landscaped gardens the remediation contractor proposes to utilise a 600mm clean capping of soil. Based on the available information it is not considered that this is required across the whole site however this proposal provides a conservative approach across all garden areas.

It was therefore proposed that the following remedial methodology must be undertaken within **all private garden areas, including soft landscaping**:

- A 600mm clean capping of soils;
- Validation of the clean capping system by a suitably trained Ground and Water Limited engineer.

Full liaison must be made with the statutory authority, prior to the implementation of this remediation strategy and/or removal of soils from the site. All works must be undertaken to meet their approval.

600mm Clean Capping of Soil

The capping system must be at least 600mm in thickness within all garden areas and soft landscaping. It is recommended that at least the top 150mm of the clean capping shall comprise suitable topsoil for use as a growing medium with subsoil utilised to reach the required 600mm capping.

All subsoil and topsoil must be fit for purpose to ensure that the receptors cannot come into contact with determinands that could be detrimental to their health. See 'Imported Material' Section 4.8.

Change in Level

In locations where site levels are to be lowered, Made Ground shall be removed from the location to allow the capping of 600mm to be placed. Materials shall be removed and stockpiled on an impermeable liner with raised edges and covered at all times. This contamination stockpile destined for removal from site shall be stored away from imported soils to avoid cross-contamination. The void shall then be backfilled with 600mm of clean certified soil.

Materials to be removed off-site must be classified by carrying out Waste Acceptance Criteria (WAC) testing. A registered contractor must undertake the removal of waste. Consignment notes for the removal of waste must be obtained and kept for inclusion within the final validation Report.

If levels are raised, the imported materials must be clean and validated, where the top 600mm within areas of soft landscaping will still need to be covered with a clean capping of soil.

It is understood that it is intended for soils to be reused on site following treatment/processing under a DoWCoP MMP following submission and approval by a QP and CL:AIRE .

Validation

The remediation works outlined above will need to be inspected and independently validated by a Ground and Water Limited Engineer. All excavations will need to be inspected, documented and photographed. Validation holes must prove the depth of the clean cover and enable the sampling of soils. Due to the design of the proposed development, validation must be undertaken at a rate of 1 validation trial hole and 1 sample of clean cover per plot.

7.1.6. Communal Soft-landscaped Areas

It is understood that within the communal soft-landscaped areas the remediation contractor proposes to utilise a 450mm clean capping of soil. Based on the available information it is not considered that this is required across the whole site however this proposal provides a conservative approach across communal areas.

It was therefore proposed that the following remedial methodology shall be undertaken within **all communal soft landscaped areas**:

- A 450mm clean capping of soils;
- Validation of the clean capping system by a suitably trained Ground and Water Limited engineer.

Full liaison must be made with the statutory authority, prior to the implementation of this remediation strategy and/or removal of soils from the site. All works must be undertaken to meet their approval.

450mm Clean Capping of Soil

The capping system shall be at least 450mm in thickness within all garden areas and soft landscaping. It is recommended that at least the top 150mm of the clean capping shall comprise suitable topsoil for use as a growing medium.

All subsoil and topsoil must be fit for purpose to ensure that the receptors cannot come into contact with determinands that could be detrimental to their health. See 'Imported Material' Section 4.8.

Change in Level

In locations where site levels are to be lowered, Made Ground must be removed from the location to allow the capping of 450mm to be placed. Materials shall be removed and stockpiled on an impermeable liner with raised edges and covered at all times. This contamination stockpile destined for removal from site shall be stored away from imported soils to avoid cross-contamination. The void shall then be backfilled with 450mm of clean certified soil.

Materials to be removed off-site must be classified by carrying out Waste Acceptance Criteria (WAC) testing. A registered contractor must undertake the removal of waste. Consignment notes for the removal of waste must be obtained and kept for inclusion within the final validation Report.

If levels are raised, the imported materials must be clean and validated, where the top 450mm within areas of soft landscaping will still need to be covered with a clean capping of soil.

It is understood that it is intended for soils to be reused on site following treatment/processing under a DoWCoP MMP following submission and approval by a QP and CL:AIRE .

Validation

The remediation works outlined above will need to be inspected and independently validated by a Ground and Water Limited Engineer. All excavations will need to be inspected, documented and photographed. Validation holes should prove the depth of the clean cover, inspect quality (free from visible contamination, invasive species or unsuitable material such as brick, timber, glass) and enable

the sampling of soils. Due to the design of the proposed development, validation should be undertaken at a rate of 1 validation trial hole and 1 sample per area of soft-landscaping.

7.1.7. Water Supply Pipes

The Water Supply pipe risk assessment indicated that the use of PE pipes is inappropriate at the site due to the concentrations of TPH within the soils. It is therefore required that the use of Metal or Barrier pipes are implemented as part of the design in order to prevent an unacceptable risk to future receptors.

7.2. Groundwater

Given the Level 1 risk assessment does not consider dilution, dispersion or attenuation, and the conceptual site model shows the nearest main receptor / compliance point to be the Lancing Brook, 45m south of the site, the fact that the soils on site comprised cohesive clay soils which are considered to impermeable, therefore reducing the risk of contaminants migrating off site, it is not expected that the soils on-site represent an unacceptable risk to controlled water receptors. No further action is considered necessary.

7.3. Discovery Strategy

There may be areas of contamination that have not been identified during the course of the intrusive investigation (e.g. underground storage tanks and bund). Such occurrences may be discovered during the construction phases for the redevelopment of the site.

Groundworkers must be instructed to report to the Site Manager any evidence for such contamination; this may comprise visual indicators, such as fibrous materials within the soil, discolouration, or odours and emission. Upon discovery advice must be taken from a suitably qualified person and then the Local Authority will need to be informed.

7.4. Material Re-Use

It is understood a remediation contractor is in place and it is intended for soils to be reused on site following treatment/processing under a DoWCoP MMP following submission and approval by a QP and CL:AIRE.

The CL:AIRE Definition of Waste: Development Industry Code of Practice (DoWCoP) allows you to:

- Reuse materials on the Site of Origin.
- Direct use of Clean Naturally Occurring Soil and Mineral Materials on another Development Site (Direct Transfer).
- Cluster Projects – Decontamination Hub site set up to aid the remediation and/or development of a number of site in a relative close proximity.
- Fixed Soil Treatment Facilities.

Materials are only considered to be waste if they are discarded, intended to be discarded or required to be discarded by the holder.

Good practice has three basic steps:

- Ensuring that an adequate Materials Management Plan (MMP) is in place, covering the use of materials on a specific site;
- Ensuring that the MMP is based on an appropriate risk assessment, that underpins the

Remediation Strategy or Design Statement, concluding that the objectives of preventing harm to human health and pollution of the environment will be met if materials are used in the proposed manner;

- Ensuring that materials are actually treated and used as set out in the MMP and that this is subsequently demonstrated in a Verification Report.

Soil intended for re-use must be fit for purpose and must undergo chemical analysis to prove that it is suitable for the purpose for which it is intended. It must be tested prior to placing (ideally) or after placing, to ensure that the future receptors (human health and vegetation) cannot come into contact with compounds that could be detrimental to their health. Validation must be undertaken at a rate of 1 validation trial hole per area of soft-landscaping or plot and a sample taken equating to 1 sample per 250m3 of reused material.

7.5. Imported Material

It is required that clean soils will be brought onto site as part of the validation works. Any soil which is to be imported onto the site must undergo chemical analysis to prove that it is suitable for the purpose for which it is intended.

The soil must be fit for purpose and must either be supplied with traceable chemical laboratory test certificates or be tested, prior to placing (ideally) and after placing, to ensure that the future receptors (human health and vegetation) cannot come into contact with compounds that could be detrimental to their health. The compounds that are to be tested for are those given in the Generic Assessment Criteria, which can be viewed in Appendix E of this report.

Chemical analyses must be undertaken at a rate of 1 validation trial hole per plot or area of soft-landscaping and a sample taken equating to 1 sample per 50m^3 imported for topsoil and 1 per 50m^3 for subsoil. Validation trial holes must also prove the depth of the clean cover and inspect quality of the material (free from visible contamination, invasive species or unsuitable material such as brick, timber, glass).

7.6. Waste Disposal

The excavation of foundations and other soils is likely to produce waste which will require classification and then recycling or removal from site.

Under the Landfill (England and Wales) Regulations 2002 (as amended), prior to disposal, all waste must be classified as either: Inert; Non-hazardous; or Hazardous.

The Environment Agency's Hazardous Waste Technical Guidance (WM3) document outlines the methodology for classifying wastes. Once classified the waste can be removed to the appropriately licensed facilities, with some waste requiring pre-treatments prior to disposal.

October 2024

Following the October investigation, 7No. Made Ground, 4No. Weald Clay Formation samples were submitted to the analytical laboratory to undergo a suite of testing for contamination testing, as discussed in the previous sections. Sampling depths were chosen to reflect the receptor of concern,

human health, and typically comprised a surface or near surface sample and periodically to 1.00m bgl. Any horizon where olfactory or visual evidence of contamination was present was also sampled.

Based on a risk phase analysis of the chemical laboratory test results, in accordance with EC Hazardous Waste Directive and undertaken by Ground and Water Limited, all the additional soil samples of Made Ground and Weald Clay Formation tested encountered on-site were NON-HAZARDOUS. The results of the assessment are given within Appendix I.

Soils containing asbestos are considered HAZARDOUS if the level of asbestos in the Made Ground is above the threshold of 0.1% or visual fragments can be observed.

January 2025

Following the January 2025 investigations, 20No. samples were submitted to the analytical laboratory to undergo a suite of testing for contamination testing, as discussed in the previous sections. Sampling depths were chosen to reflect the receptor of concern, human health, and typically comprised a surface or near surface sample and periodically to 1.00m bgl. Any horizon where olfactory or visual evidence of contamination was present was also sampled.

Based on a risk phase analysis of the chemical laboratory test results, in accordance with EC Hazardous Waste Directive and undertaken by Ground and Water Limited, all soil samples of Made Ground and reworked ground encountered on-site were NON-HAZARDOUS with the exception of one sample. The sample of infill material from TP406 within the reservoir structure was classified as HAZARDOUS due to the concentrations of lead and zinc. The results of the assessment are given within Appendix H.

It is important to note that whilst we consider our in-house assessment tool to be an accurate interpretation of the requirements of WM3, therefore producing an initial classification in accordance with the guidance, this method classifies soils as either non-hazardous or hazardous and landfill operators have their own assessment tools and can often come to different conclusions. As a result, some landfill operators could refuse to take apparently suitable waste. It is recommended that the receiving landfill views the results of this assessment and the chemical laboratory results to determine their own classification.

Where contaminated soils are to be removed, they shall be placed on an impermeable membrane (visqueen or similar) to ensure that no cross-contamination of soils occurs.

7.7. Duty of Care

Groundworkers must maintain a good standard of personal hygiene including the wearing of overalls, boots, gloves and eye protectors and the use of dust masks during periods of dry weather.

To prevent exposure to airborne dust by both the general public and construction personnel the site should be kept damp during dry weather and at other times when dust would be generated as a result of construction activities.

The site should be securely fenced at all times to prevent unauthorised access. Washing facilities should be provided and eating restricted to mess huts.

FIGURES

2 The Long Barn, Norton Farm, Selborne Road, Alton, Hampshire GU34 3NB
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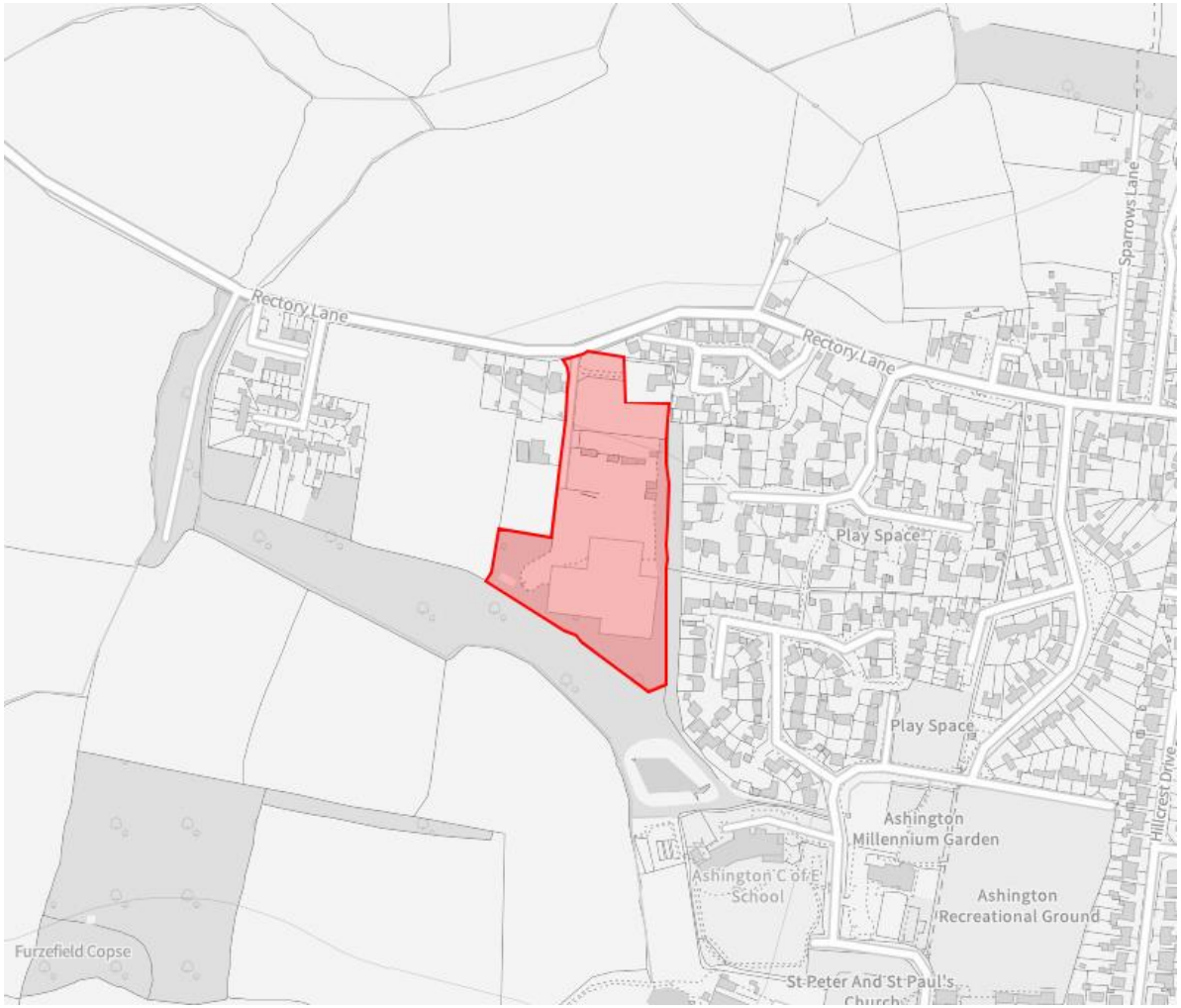

Site Location

Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS	
Elivia Homes (Southern) Limited	**March 2025**
Figure 1 – Site Location Plan	**GWPR6247**

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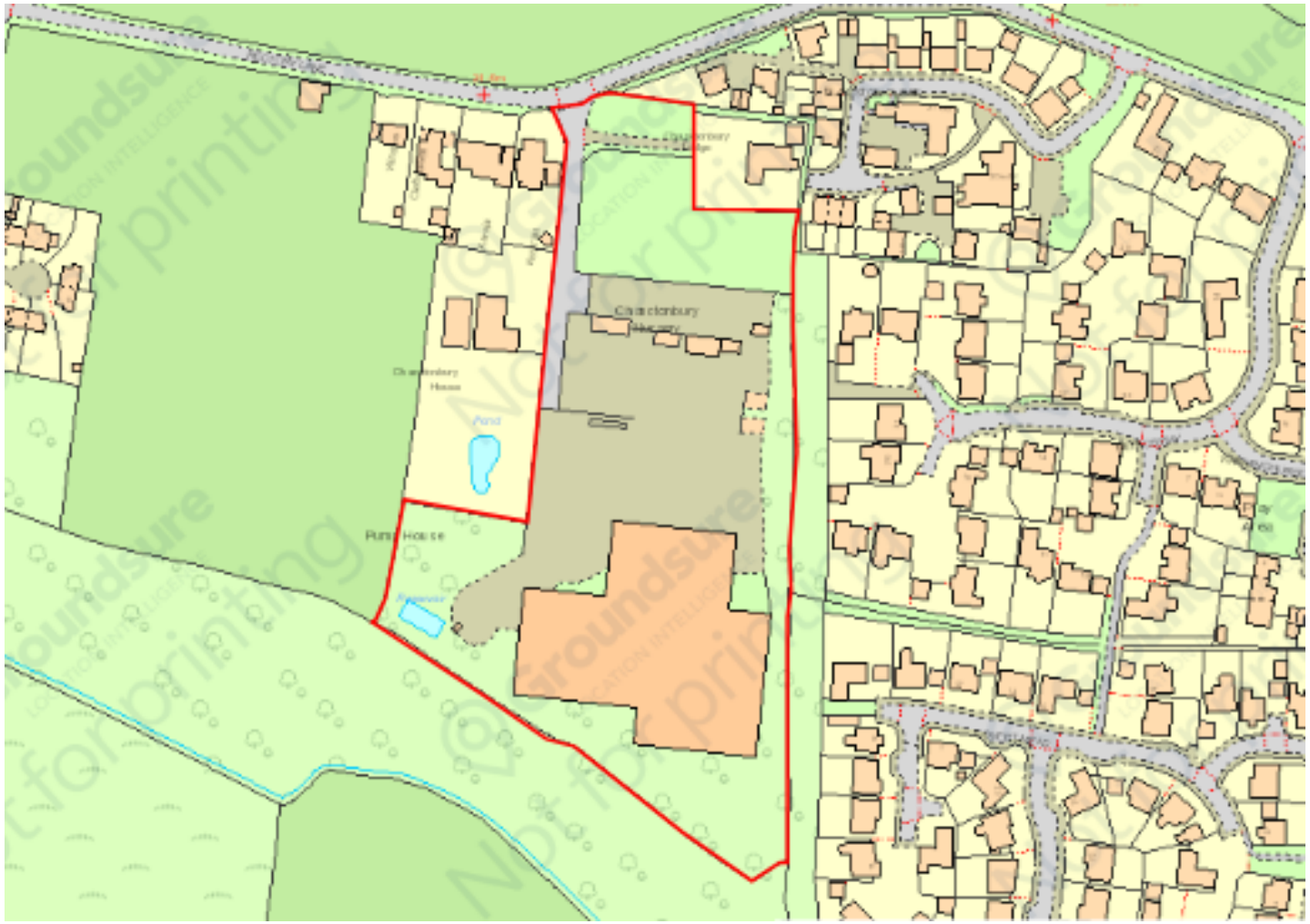

Site Boundary

Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS	
Elivia Homes (Southern) Limited	**March 2025**
Figure 2 – Site Development Area	**GWPR6247**

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Site Boundary

NTS

Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS	
Elivia Homes (Southern) Limited	**March 2025**
Figure 3 – Aerial Photograph	**GWPR6247**

ground&water



NTS

Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS	
Elivia Homes (Southern) Limited	**March 2025**
Figure 4 – Proposed site development plan	**GWPR6247**



- Phase 1 Trial Holes (TP1 – TP8)
- Phase 1 Boreholes (WS1 – WS5)
- Phase 2 Trial Holes (TP101 – TP107)
- Phase 3 Boreholes (WS201 – WS206)

Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS	
Elivia Homes (Southern) Limited	**March 2025**
Figure 5 – Trial Hole Location Plan (June 2023, December 2023 and August 2024)	**GWPR6247**

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- Phase 1 Trial Holes (TP1 – TP8)
- Phase 1 Boreholes (WS1 – WS5)
- Phase 2 Trial Holes (TP101 – TP107)
- Phase 3 Boreholes (WS201 – WS206)
- Phase 4 Trial Holes (TP301 – TP309)
- Phase 4 Handpits (WS301 – TP310)

Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS	
Elivia Homes (Southern) Limited	**March 2025**
Figure 6 – Trial Hole Location Plan (October 2024)	**GWPR6247**

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- Phase 1 Trial Holes (TP1 – TP8)
- Phase 1 Boreholes (WS1 – WS5)
- Phase 2 Trial Holes (TP101 – TP107)
- Phase 3 Boreholes (WS201 – WS206)
- Phase 4 Trial Holes (TP301 – TP309)
- Phase 4 Handpits (HP301 – HP310)
- Phase 5 Trial Holes (TP401 – TP408)
- Phase 5 Handpits (HP401 – HP420)
- Phase 5 Boreholes (WS401A – WS402 and WS405)

Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS

Elivia Homes (Southern) Limited	**March 2025**
Figure 7 – Trial Hole Location Plan (January 2025)	**GWPR6247**

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Approximate Extent of Reservoir structure

Approximate Potential Extent of Made Ground/Reworked Ground

Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS	
Elivia Homes (Southern) Limited	**March 2025**
Figure 9 – Extent of Reservoir	**GWPR6247**

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Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS

Elivia Homes (Southern) Limited	**March 2025**
Figure 9 – Tree Protection Plan	**GWPR6247**

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Extent of bund to remain

Extent of bund to be removed

Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS	
Elivia Homes (Southern) Limited	**March 2025**
Figure 10 – Extent of Bund Removal	**GWPR6247**

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APPENDIX A: Conditions and Limitations

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The ground is a product of continuing natural and artificial processes. As a result, the ground will exhibit a variety of characteristics that vary from place to place across a site, and also with time. Whilst a ground investigation will mitigate to a greater or lesser degree against the resulting risk from variation, the risks cannot be eliminated.

The report has been prepared on the basis of information, data and materials which were available at the time of writing. Accordingly, any conclusions, opinions or judgements made in the report should not be regarded as definitive or relied upon to the exclusion of other information, opinions and judgements.

The investigation, interpretations, and recommendations given in this report were prepared for the sole benefit of the client in accordance with their brief; as such these do not necessarily address all aspects of ground behaviour at the site. No liability is accepted for any reliance placed on it by others unless specifically agreed in writing.

Any decisions made by you, or by any organisation, agency or person who has read, received or been provided with information contained in the report ("you" or "the Recipient") are decisions of the Recipient and we will not make, or be deemed to make, any decisions on behalf of any Recipient. We will not be liable for the consequences of any such decisions.

Current regulations and good practice were used in the preparation of this report. An appropriately qualified person must review the recommendations given in this report at the time of preparation of the scheme design to ensure that any recommendations given remain valid in light of changes in regulation and practice, or additional information obtained regarding the site.

Any Recipient must take into account any other factors apart from the Report of which they and their experts and advisers are or should be aware. The information, data, conclusions, opinions and judgements set out in the report may relate to certain contexts and may not be suitable in other contexts. It is your responsibility to ensure that you do not use the information we provide in the wrong context.

This report is based on readily available geological records, the recorded physical investigation, the strata observed in the works, together with the results of completed site and laboratory tests. Whilst skill and care has been taken to interpret these conditions likely between or below investigation points, the possibility of other characteristics not revealed cannot be discounted, for which no liability can be accepted. The impact of our assessment on other aspects of the development required evaluation by other involved parties.

The opinions expressed cannot be absolute due to the limitations of time and resources within the context of the agreed brief and the possibility of unrecorded previous in ground activities. The ground conditions have been sampled or monitored in recorded locations and tests for some of the more common chemicals generally expected. Other concentrations of types of chemicals may exist.

The conclusions and recommendations relate to Chanctonbury Nursery, Rectory Lane, Ashington RH20 3AS.

Trial hole is a generic term used to describe a method of direct investigation. The term trial pit, borehole or window sampler borehole implies the specific technique used to produce a trial hole.

The depth to roots and/or of desiccation may vary from that found during the investigation. The client is responsible for establishing the depth to roots and/or of desiccation on a plot-by-plot basis prior to the construction of foundations. Where trees are mentioned in the text this means existing trees, recently removed trees (approximately 15 years to full recovery on cohesive soils) and those planned as part of the site landscaping.

Ownership of copyright of all printed material including reports, laboratory test results, trial pit and borehole log sheets, including drillers log sheets, remain with Ground and Water Limited. Licence is for the sole use of the client and may not be assigned, transferred or given to a third party.

Only our client may rely on this report and should this report or any information contained in it be provided to any third party we accept no responsibility to the third party for the contents of this report save to the extent expressly outlined by us in writing in a reliance letter addressed from us to the third party.

Recipients are not permitted to publish this report outside of their organisation without our express written consent.

APPENDIX B: Technical Glossary

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TECHNICAL GLOSSARY

The list of possible definitions within the report may be seen below. Please note that some definitions may not be relevant to this report.

HYDROGEOLOGY:

A **Principal Aquifer** is a layer of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer.

Secondary (A) Aquifers consist of deposits with permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as Minor Aquifers.

Secondary (B) Aquifers consist of deposits with predominantly lower permeability layers with may stoke and yield limited amounts of groundwater due to localised features such as fissures, think permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers.

Secondary Aquifers (Undifferentiated) are assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both a minor aquifer and non-aquifer in different locations due to the variable characteristics of the rock type.

Unproductive Strata are rock layers with low permeability that have negligible significance for water supply or river base flow. These were formerly classified as non-aquifers.

FLOOD ZONES:

Environment Agency Flood Zone 2, defined as; land having between a 1 in 100 and 1 in 1,000 annual probability of river flooding; or land having between a 1 in 200 and 1 in 1,000 annual probability of sea flooding.

Environment Agency Flood Zone 3 shows the extent of a river flood with a 1 in 100 (1%0 or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year.

Environment Agency Flood Zone 3 area that benefits from flood defences, defined as; land and property in this flood zone would have a high probability of flooding without the local flood defences. These protect the area against a river flood with a 1% chance of happening each year, or a flood from the sea with a 0.5% chance of happening each year.

GROUNDWATER SOURCE PROTECTION ZONES (SPZS):

Inner Zone (SPZ1): This zone is 50 day travel time of pollutant to source with a 50 metres default minimum radius.

Outer Zone (SPZ2): This zone is 400 day travel time of pollutant to source. This has a 250 or 500 metres minimum radius around the source depending on the amount of water taken.

Total Catchment (SPZ3): This is the area around a supply source within which all the groundwater ends up at the abstraction point. This is the point from where the water is taken. This could extend some distance from the source point.

Zone of Special Interest (SPZ4): This zone is where local conditions require additional protection.

IN-SITU STRENGTH GEOTECHNICAL TESTING:

Windowless Sample and/or Cable Percussion and/or Rotary Boreholes provide samples of the ground for assessment but they do not give any engineering data. The standard penetration test (SPT) is an in-situ dynamic penetration test designed to provide information on the geotechnical engineering properties of soil. The test uses a thick-walled sample tube, with an outside diameter of 50mm and an inside diameter of 35mm, and a length of around 650mm. This is driven into the ground at the bottom of a borehole by blows from a slide hammer with a weight of 63.5kg falling through a distance of 760mm. The sample tube is driven 150mm into the ground and then the number of blows needed for the tube to penetrate each 75mm up to a depth of 450mm is recorded. The sum of the number of blows is termed the "standard penetration resistance" or the "N-value".

Dynamic Probing involves the driving of a metal cone into the ground via a series of steel rods. These rods are driven from the surface by a hammer system that lifts and drops a 63.5kg (SHDP) hammer onto the top of the rods through a set height, thus ensuring a consistent energy input. The number of hammer blows that are required to drive the cone down by each 100mm increment are recorded. These blow counts then provide a comparative assessment from which correlations have been published, based on dynamic energy, which permits engineering parameters to be generated. (The Dynamic Probe 'Super Heavy' (SHDP) Tests were conducted in accordance with BS 1377; 1990; Part 9, Clause 3.2).

APPENDIX C: Third Party Desk Study Report

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Land Science

CHANCTONBURY NURSERY, RECTORY LANE, ASHINGTON, RH20 3AS

PHASE I GEO-ENVIRONMENTAL INVESTIGATION

LANDACRE DEVELOPMENTS (ASHINGTON) LTD.

8TH OCTOBER 2021

LS5899

Site:	**CHANCTONBURY NURSERY, RECTORY LANE, ASHINGTON, RH20 3AS**
Title:	**PHASE I GEO-ENVIRONMENTAL INVESTIGATION**
Project:	**NEW RESIDENTIAL DEVELOPMENT INCLUDING 74NO DWELLINGS**
Client:	**LANDACRE DEVELOPMENTS (ASHINGTON) LTD.**
Date:	**8th October 2021**
Reference:	**LS5899**
Version:	**V1.0**

Prepared by: 	**EMILY PROSSER B.Sc. (Hons), M.Sc.** **Project Geo-Environmental Consultant**
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FIGURE 1: Site Location Plan
FIGURE 2: Existing Layout
FIGURE 3: Proposed Layout

APPENDICES

APPENDIX A: Desk Study

1.0 INTRODUCTION

1.1 General

Land Science was instructed to undertake a Phase I Geo-Environmental Investigation in relation to the proposed development at Chanctonbury Nursery, Rectory Lane, Ashington, RH20 3AS. The location is shown on Figure 1, which is centred at grid reference TQ126163.

1.2 Client

The Client for this appointment was Landacre Developments (Ashington) Ltd. This report may only be used by this named client and their directly appointed project team for the purposes set out in the report conditions. It was assumed that the Client already owned the property, and that this investigation was not a pre-purchase appraisal.

1.3 Area Under Investigation

The area under investigation comprised three main sections, a grassed area to the north which is separated from the south by a ditch, the central part of the site is used for the storage of cars and caravans and the southern part of the site comprises glasshouses as part of a nursery. The layout is indicated on Figure 2, and a walkover survey is presented in section 3.0. The area was approximately 2.39 hectares.

1.4 Form of Development

The proposed development was understood to comprise a residential development with approximately 74 dwellings, with associated private gardens, landscaping and roadways. It was understood this Phase I Report would accompany a future planning application. Figure 3 illustrates the layout of the proposed redevelopment. The findings of this report may be not valid if the proposed development is altered.

1.5 Previous Investigations

The following previous investigations relevant to the site were made available:

- Phase I Desk Study, Site Reconnaissance & Phase II Site Investigation Report, Leap Environmental, Reference: LP00763

1.6 Scope of Work

The work carried out is described in detail in following sections but in summary included:

- A desk study (incorporating a review of historical land uses, review of an Envirocheck data report, from the previous report, and an assessment of Radon gas).

1.7 Geo-Environmental Objectives

A preliminary phase I assessment was carried out, to identify potential sources of contamination, to develop a preliminary Conceptual Site Model (CSM) and to form the basis of a Preliminary risk Assessment (PRA).

The reports were required to assess risks associated with end users, the proposed redevelopment, adjacent land uses, and the wider environment, in the context of the planning regime.

2.0 STANDARDS AND REFERENCES

2.1 Standards

Where practicable, the investigation was undertaken in accordance with the following primary standards and guidance:

- Land Contamination Risk Management (LCRM) Environment Agency 2020
- BS10175:2011+A1:2013, Investigation of Potentially Contaminated Sites.
- National Planning Policy Framework, July 2018.
- Building Regulations Approved Document C: Site preparation and resistance to contaminants and moisture, HM Government, July 2013.
- NHBC Standards Chapter 4.1: Land Quality - Managing Ground Conditions, 2019.

Other technical sources have been cited in respect of specific aspects of the investigation, as referenced throughout the text.

2.2 References

A number of technical references have been referred to in the preparation of this document, including:

- Radon: Guidance on protective measures for new buildings, BRE Report BR 211, 2015 2ND edition

3.0 DESK STUDY (CONCEPTUAL SITE MODEL)

3.1 General

A desk study was carried out to inform the preliminary conceptual understanding of the site and its setting, and to identify potential aspects of concern, in the context of the stated report objectives.

3.2 Walkover Survey

A site walkover was not carried out at the request of the client; the previous report has therefore been referenced in conjunction with satellite imagery.

In summary, the area under investigation comprised a section of land currently used for storing cars and caravans, with a disused nursery greenhouse on the south of the site.

The following key features were identified:

- Two above ground storage tanks are located in the centre of the site with a chimney adjacent. There were also reports of a diesel pipe running south from the fuel tanks towards the greenhouses.
- Asbestos fragments were identified on the surface of the field and on the bank of the ditch.
- A bonfire area and pump house are located to the west of the greenhouses.
- Mature deciduous and coniferous trees are located along the eastern and western boundaries of the site.
- Asbestos cement sheets were identified in the construction of the buildings along the northern boundary of the site
- Three greenhouses occupy the majority of the southern part of the site and have concrete floors with soil bays between each building.

3.3 Historical Land Use Data

Various historical records were reviewed in order to assess potential historical land uses and activities that may impact on ground conditions at the site.

Free historic maps were reviewed online, and the following key features were noted:

- The earliest map dated 1875-1879 showed the site comprised a field with trees lining the northern boundary and trees scattered along the southern and eastern boundaries. There is a track shown running diagonally across the site.
- The 1937-1939 map showed the site to be redeveloped with a nursery in the northern part of the site, whilst the south of the site has remained undeveloped. There is a *tank* marked just off the south-west corner of the site.
- The historical map set included an aerial photograph dated 1947. The imagery showed the glass roofs of the nursery buildings in the northern part of the site.
- The 1974 map showed further greenhouses had been added to the southwest of the site, and smaller buildings in the centre of the site. The tank previously noted is now shown as a *reservoir* and *pump house*.

- The latest map dated 1993 showed the site to vary from the layout of the present day suggesting the nursery is now located to the south of the site and the north of the site is used for the storage of caravans and other vehicles.
- Off site, a rectory was noted adjacent to the northeast corner in the 1875-1879 map, as well as a stream to the south of the site.
- By 1937-1939, residential developments had been added to the east and west of the site.
- The 1974 map showed further residential development to the east of the site.

Recent aerial photography covering the site was examined using Google Earth Pro. The imagery identified three glass houses located to the south of the site, vehicle storage in the central portion of the site and a field on the north of the site.

3.4 Current Industrial Land Use Data

The desk study included a search of contemporary land use records from various databases. Such land uses may impact on the condition of the site and the vicinity. No significant land use information was identified.

3.5 Ground Conditions

The encountered ground conditions from the previous site investigation are summarised below:

For the northern field and western grassed area:

Strata	Approximate Depth (mbgl)	Summary Description
Topsoil	0.1-0.9	Light brown to grey clayey topsoil with light orange iron staining, occasional fine brick, glass and flint gravel and rootlets.
Made Ground	0.54-1.5	Light brown and grey, orange silty clayey made ground with blacktop, glass and fine to medium clinker.
Weald Clay Formation - Clay	1.8-3.0	A stiff to very stiff very sandy orange CLAY with grey silty patches and some siltstone and sandstone laminations.
Weald Clay Formation - Sand	1.7-3.0	Medium dense orange, brown and grey clayey sand with some iron staining and weakly consolidated patches.

For the hardstanding in the central portion of the site and the greenhouses:

Strata	Approximate Depth (mbgl)	Summary Description
Blacktop	0.05-0.1	Grey and black blacktop soil.
Made Ground	0.3	Light brown and grey, orange silty clayey made ground with blacktop, glass and fine to medium clinker.
Weald Clay Formation - Clay	1.8-3.0	A stiff to very stiff very sandy orange CLAY with grey silty patches and some siltstone and sandstone laminations.
Weald Clay Formation - Sand	1.7-3.0	Medium dense orange, brown and grey clayey sand with some iron staining and weakly consolidated patches.

The BGS identify a superficial deposit referred to as Head Deposits, mapped across the southern portion of the site. Such deposits were not encountered within the previous investigation.

In addition, groundwater was encountered, as follows:

- The previous site investigation found that groundwater was encountered in trial holes across the site between depths of 1.4 and 2.2 mbgl.

The desk study included searches of geological hazards. No hazards were identified as moderate, or above.

A search of various databases for coal mining, mining, brine compensation, and natural cavities was carried-out. No relevant features were identified.

3.6 Test Results of Previous Investigation

The previous investigation indicated that parts of the Made Ground were potentially contaminated with PAHs and Lead. Lead exceeded the acceptance criteria in a sample taken from 0.2mbgl in the centre of the site to the north of the glass houses. Made Ground was found to be contaminated with Benzo(a)pyrene, statistical analysis indicated this contamination had an upper confidence limit of 4mg/kg, with a maximum value of 58.4mg/kg encountered at the northeast corner of the glasshouses at a depth of 0.1mbgl. PAHs are one of the most common contaminants within Made Ground and can be attributed to tarmac, clinker, and any burnt products. No traces of asbestos were identified within the Made Ground.

Results from the previous investigation indicate that the topsoil is free from both PAH and metal contamination. Three samples of clay were tested and no elevated levels of heavy metal or PAH contamination were encountered. Results from the petroleum hydrocarbon testing indicate the hydrocarbons detected are below the screening criteria. DDE was detected in the near surface clay soils within the glasshouse, 0.012mg/kg DDE was detected at a depth of 0.1mbgl.

3.7 Environmental Setting

The site lies in the following groundwater setting:

- Weald Clay Formation – Mudstone (in the north of the site) was classified as Unproductive Strata - Low permeability strata that have negligible significance for water supply or river base flow.
- Weald Clay Formation – Sand (in the south of the site) was classified as a Secondary A - Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.
- Source Protection Zones: None - no groundwater Source Protection Zones were identified on site or in the vicinity
- Flooding from Rivers and Sea: Zone 1 Low Probability - Land having a less than 1 in 1,000 annual probability of river or sea flooding.
- Surface water flooding on site: Very low risk - each year this area has a chance of flooding of less than 0.1%. Flooding from surface water is difficult to predict as rainfall location and

volume are difficult to forecast. In addition, local features can greatly affect the chance and severity of flooding.

- Groundwater flooding on site: no significant risks identified.

3.8 Radon Gas

The requirement for Radon Protection Measures (RPM) has been assessed in accordance with BRE 211:2015. Public Health England and the BGS estimate the potential for radon and the requirement for Radon Protection Measures on site as follows:

- Radon probability: Low probability - between 1% and 3% of homes are estimated by PHE to exceed the threshold for Radon gas in residential dwellings.
- Radon Protection Measures (RPM): No Radon protection is required for new dwellings or extensions constructed at this location.

4.0 PRELIMINARY RISK ASSESSMENT (PRA)

4.1 General

A preliminary contaminated land risk assessment (PRA) has been prepared, based on the preliminary conceptual site model in section 4.0, to identify potential contamination risks following a source-pathway-receptor (SPR) approach, following established guidance and best practice.

4.2 Risk Assessment Framework

A qualitative estimate of the level of risk associated with the identified source-pathway-receptor linkages has been made. Each source, pathway and receptor in each linkage is given a rating from 0-5, and the overall rating for the linkage is expressed as a multiple of the three numbers.

Rating	Source	Pathway	Receptor	SPR Linkage
Unlikely	0	0	0	0
Very Low	1	1	1	1-3
Low	2	2	2	4-17
Moderate	3	3	3	18-48
High	4	4	4	49-100
Very high	5	5	5	100+

The scoring is based on professional judgement and qualitative assessment of various factors:

Source - Whether it is on-site or off-site, the distance from the site, the age and time period, the history and evolution, whether it has been redeveloped and when, the overall magnitude or extent, any existing data or observations. Sources are identified from the conceptual site model.

Pathway - Proximity and relationship to the associated receptor, frequency, the ground conditions, flow directions, migration pathways. Pathways may vary between each source and each receptor.

Receptor - Direct or indirect effects, human health or non-human receptor, age classes, exposure duration and frequency, types of activity, materials, existing evidence of harm, quality of the receptor and significance of any harm. This will depend on any existing or proposed site uses.

Potential sources and Receptors are identified first, before identifying whether any active realistic pathways exist between them.

The principle of primary and secondary sources has been adopted:

- A **primary source** for instance a leaking tank or drainage, industrial activity, buried fill materials, etc, identified as part of the desk study and site walkover.

- A **secondary source** environmental media (or phases) in which any resulting contamination may occur, being soils, ground gases, volatile vapours, and groundwater as described below:

Secondary source	Summary
Soil	Soils contaminated with materials such as ash, clinker, bitumen, refuse, wastes, asbestos, etc (Made Ground) or soils contaminated by discharges, spillage, drainage, run-off, migration etc of contaminants from diffuse or point sources.
Ground water	Mobile contaminants entering groundwater, being either perched water (impermeable horizons such as clays or buried structures) or as a water table (more persistent water bodies within productive strata).
Volatile vapours	Volatile or semi-volatile compounds generating vapours which exist in a gas phase and may be generated from soils, groundwater or directly from storage such as underground tanks.
Ground gases	Ground gases occurring from a variety of natural and man-made sources, principally from the decomposition of waste materials, organic matter, organic contaminants. Examples include landfill sites, alluvium, and mine workings etc.

4.3 Identified Potential Sources

The following potential primary sources of contamination were identified:

Primary sources	Soils	Ground Water	Vapours	Ground Gases
Made Ground <1m - widespread	High	Moderate	Very Low	Unlikely
Horticulture / Nurseries	Low	Low	Very Low	Unlikely
Caravan and campervan storage	Moderate	Moderate	Moderate	Unlikely
Storage tanks and boiler room	Moderate	Moderate	Low	Unlikely
OVERALL RATING	High	Moderate	Moderate	Unlikely

Made Ground may be present on site beneath hard standings and glass buildings. The provenance of such material is unknown, and it could contain a range of contaminants including metals, non-metals, organic contaminants and asbestos.

The depth and composition of Made Ground was not expected to be sufficient to be a significant source of ground gases.

The horticultural nursery and the vehicle storage area may be potentially contaminative. Contaminants include organic compounds from pesticide and herbicide storage and use, as well as oils and fuels from vehicle storage. The nursery is present on the south of the site, whilst the central part of the site comprised a hardstanding used for caravan and campervan storage. Overall, the scale of activity was limited. The period of land use has been prolonged, and the activity is still ongoing.

A storage tank was noted in the southwest corner of the site. Such locations may be point sources of potential contamination. Contaminants include non-metals, organic compounds, fuels and oils.

Waste management facilities where soil and wastes are deposited in the ground can be significant sources of ground gases. No registered waste management facilities where landfilling has occurred were identified on site or within the vicinity. In addition, no significant naturally occurring sources of ground gases were identified.

4.4 Potential Receptors

The following potential receptors associated with the site and the proposed development have been considered in this report:

- End Users - occupants of the proposed redevelopment. The proposed development comprised a residential site with approximately 74 houses with private gardens.
- Adjacent Land - Sensitive land uses identified locally. the site was surrounded by residential dwellings to the east and to the west, the road network to the north and agricultural fields to the south.
- Soft Landscaping - Areas of planting including lawns, shrubs, trees, etc. The proposed development included private soft landscaped residential gardens.
- Structural Concrete - new foundations etc cast into the ground. The development was anticipated to include shallow foundations.
- Water Supply Pipework – water supplies may become tainted when mains are laid in contaminated ground. New potable water mains are to be laid.
- Groundwater - Water below ground in permeable strata. The site overlies strata classified as Unproductive Strata in the north of the site and is negligibly permeable therefore unlikely to be used for potable or commercial abstractions. The site overlies strata classified as Secondary A Aquifer to the south of the site and is a potential resource for potable abstractions. The background chemical quality of the aquifer is to be considered. No source protection zones were identified, and no source protection zones were noted within 250m.
- Surface Water- Surface water in lakes and rivers etc. A ditch was identified separating the field to the north from the hardstandings and glass houses to the south of the site.

4.5 Receptors Excluded

The following potential receptors were excluded from the assessment as they are covered by other legislative controls and are outside the remit of this report.

- Ecological receptors such as statutory protected species or wildlife areas. An assessment of such risks was outside the scope of this report.
- Site workers such as those involved in construction work or future maintenance. Any risks posed to site workers would be controlled through Health & Safety legislation, including the CDM and COSHH regulations etc.

4.6 SPR Linkages and Risk Ratings

The source-pathway-receptor linkages identified are summarised below:

Soils	Pathways	Rating	Receptor	Rating	Overall Rating
High	Dermal contact with soil and soil-borne dust	Very high	End Users	High	**High**
High	Ingestion of soil and soil-borne dust	Very high	End Users	High	**High**
High	Inhalation of soil-borne dust	Very high	End Users	High	**High**
High	Consumption of homegrown produce	Low	End Users	High	**Moderate**
High	Inhalation of soil-borne dust	Moderate	Adjacent Land	Low	**Moderate**
High	Plant uptake, phytotoxic effects	High	Planting	Low	**Moderate**
High	Chemical attack	Moderate	Concrete	Moderate	**Moderate**
High	Chemical attack	Moderate	Pipework	Moderate	**Moderate**
High	Leaching-out, migration to water table	Very Low	Groundwater	Very Low	**Low**
High	Leaching-out, migration to water bodies	Moderate	Surface Water	Moderate	**Moderate**

Ground water	Pathways	Rating	Receptor	Rating	Overall Rating
Moderate	Direct contact	Unlikely	End Users	High	**Unlikely**
Moderate	Direct contact	Unlikely	Adjacent Land	Low	**Unlikely**
Moderate	Plant uptake, phytotoxic effects	Very Low	Planting	Low	**Low**
Moderate	Chemical attack	Moderate	Concrete	Moderate	**Moderate**
Moderate	Chemical attack	Moderate	Pipework	Moderate	**Moderate**
Moderate	Migration to Controlled Water receptor	Unlikely	Groundwater	Very Low	**Unlikely**
Moderate	Lateral migration to water bodies	Low	Surface Water	Moderate	**Moderate**

Vapours	Pathways	Rating	Receptor	Rating	Overall Rating
Moderate	Inhalation, ignition	Low	End Users	High	**Moderate**
Moderate	Inhalation, ignition	Very Low	Adjacent Land	Low	**Low**
Moderate	Root asphyxiation, phytotoxic effects	Low	Planting	Low	**Low**
Moderate	Not a significant hazard	-	Concrete	Moderate	**Unlikely**
Moderate	Chemical attack	Low	Pipework	Moderate	**Moderate**
Moderate	Not a significant hazard	-	Groundwater	Very Low	**Unlikely**
Moderate	Not a significant hazard	-	Surface Water	Moderate	**Unlikely**

Ground Gasses	Pathways	Rating	Receptor	Rating	Overall Rating
Unlikely	Inhalation, ignition	Moderate	End Users	High	**Unlikely**
Unlikely	Inhalation, ignition	Unlikely	Adjacent Land	Low	**Unlikely**
Unlikely	Root asphyxiation, phytotoxic effects	Unlikely	Planting	Low	**Unlikely**
Unlikely	Not a significant hazard	-	Concrete	Moderate	**Unlikely**
Unlikely	Not a significant hazard	-	Pipework	Moderate	**Unlikely**
Unlikely	Not a significant hazard	-	Groundwater	Very Low	**Unlikely**
Unlikely	Not a significant hazard	-	Surface Water	Moderate	**Unlikely**

4.7 Other Factors

The following other areas of possible concern were identified, but were outside the geo-environmental risk assessment:

Site workers	Site managers are responsible for the safety of persons in their employ under a variety of instruments including the CDM regulations and Health & Safety at Work Act. In terms of working on contaminated sites, guidance can be sought from the CIRIA publication entitled "A Guide for Safe Working on Contaminated Sites". Any work in confined spaces should only be carried out following appropriate risk assessment. Detailed risk assessment for workers is outside the scope of this report.
Discovery Strategy	Unexpected soil conditions may be encountered during the process of site demolition and construction. Examples may include oily pockets within the soil, pockets of cement boarding or fibrous materials within the soil, black ashy materials, soils exhibiting strong odours, brightly coloured materials, and former structures or brickwork. Should previously undiscovered contamination be encountered during construction by the ground worker's, this should be reported to the Geo-Environmental Consultant immediately in order that any necessary inspection may be made. All site workers should be made aware of their responsibility to observe, report, and act on any potentially suspicious or contaminated materials they may encounter.
Asbestos	Asbestos may exist within buildings on site, including for instance in cement boarding. An appropriate survey should be undertaken to assess the presence of asbestos within the building fabric.

5.0 CONCLUSIONS

5.1 Qualitative Ratings

Overall, the level of risk ranged between Low and High. Consequently, a **High** level of risk has been assigned to the site in respect of the proposed development. This is primarily due to soft landscaping and use of the proposed private gardens.

5.2 Recommendations

The CSM has identified potential areas of concern that will require investigation. If reliance on the previous report can be provided, the data can be incorporated into a further SI report, however, the testing has identified some contamination which will require a more detailed level investigation over and above this, especially to delineate the extent of any affected areas, enable BARGE analysis for metals, and statistical analysis of other contaminants.

It would be necessary to undertake basic ground investigation works, which may include:

- Shallow boreholes, or trial pits, to assess the composition and depth of any Made Ground and any field evidence of contamination into the underlying soils.
- Selected samples (including materials bearing field evidence of contamination) should be sent for laboratory analysis. The main analytical suite is identified below.
- A number of boreholes should be extended down into the water table and to the base of the aquifer to install standpipes and in turn enable groundwater quality to be sampled and tested for a similar analytical suite.
- Soil samples should be screened for vapours using a Photoionisation Detector (PID) and samples prioritised for organic analysis accordingly.
- Positions should be located in areas of concern, i.e., targeted to specific points of potential contamination such as the former fuel tank and pump house location in the southwest corner of the site and below the greenhouse and hardstanding areas.
- Positions should be located in receptor sensitive locations such as in proposed garden areas, below the footprint dwellings, in the location of buried services (water supplies).

The analytical suite, based on the known site history and walkover survey, should include:

- General parameters: Acidity (pH), fraction of organic carbon.
- A selection of shallow samples should be screened for pesticides and herbicides.
- Metals; Arsenic, Cadmium, Chromium (total), Lead, Mercury, Selenium, Boron, Copper, Nickel and Zinc.
- Non-metals: water soluble Sulphate, Sulphide, total Cyanide.
- Organic Compounds; TPH, BTEX, Speciated PAHs, PCBs, VOCs and SVOCs.
- Pesticide and herbicide screening.
- Visual asbestos screening of all Made Ground samples. Where possible asbestos fibres or ACMs are identified, these should be examined under a microscope to determine type.

Further positions may be required, additional samples analysed or additional determinands added to the analysis, as appropriate, based on any field evidence of possible contamination encountered.

In addition, the requirement for Waste Acceptance Criteria (WAC) testing should be considered to categorise soils in terms of disposal.

It would be prudent to confirm the scope of ground investigation works with the Local Authority and other stakeholders before carrying out these works.

REPORT CONDITIONS

The Client

This report may also be used only by the client named in section 1 and their appointed project team for the purpose of design, obtaining planning, building regulations approval, and in connection with finance. This report must not be used by any other persons or for other purposes without express written agreement of Land Science.

General

Land Science takes all reasonable professional care in preparation of this report, using current standards and industry practice. However, the evaluation of ground conditions depends on an interpretation and extrapolation of the conditions revealed by a limited data set. The level of risk is related to the extent of investigation and no site is ever free of risk. The client should understand their risks and liabilities. We accept no liability whatsoever in respect of:

- The scope, extent or design of an investigation.
- Any conditions not directly revealed by the investigation.
- Published standards or methodologies used or adopted in this report.
- The opinion of any other party including any regulator, authority or stakeholder.
- Any dispute, claim or consequential loss arising from any findings of this report.
- Third party information and data.

This report relates solely to ground-related matters as set out in the objectives and makes no representation on other matters such as ecology, arboriculture, invasive plant species, the condition of buildings and structures, hazardous building materials such as insulation or asbestos, the locations of boundaries, unexploded ordnance, and or planning constraints etc. Further reports should be commissioned in this respect as appropriate.

Regulators and Approvals

This (and any other) report should be submitted to relevant authorities for their own assessments and to provide their approval or comments accordingly. This should be in good time before commencing on site in case additional work is to be carried out.

Standards, technical guidance and regulatory positions change over time and which may therefore affect the findings and recommendations made in this report; this should be verified by the client prior to any critical project milestones. Where this information is used in design, the designer should verify that the information is appropriate and has been used correctly.

Variations with time

The report relates to conditions revealed at the time of the investigation and any monitoring visits. Some parameters may vary over time or seasonally; groundwater levels, ground gas compositions, or concentrations of contaminants are particularly variable in this respect. Further monitoring or verification should be considered as appropriate.

GLOSSARY OF TERMS

ACM	Asbestos Containing Material
BGS	British Geological Survey
BRE	Building Research Establishment
BS	British Standard
C4SL	Category 4 Screening Level
CBR	California Bearing Ratio
CDM	Construction Design and Management regulations
CIRIA	Construction Industry Research and Information Association
CL:AIRE	Contaminated Land: Applications in Real Environments
CLEA	Contaminated Land Exposure Assessment model
CSM	Conceptual Site Model
EA	Environment Agency
EQS	Environmental Quality Standards
FOC	Fraction of Organic Carbon
GAC	Generic Assessment Criterion
GQRA	Generic Quantitative Risk Assessment
mbgl	Meters Below Ground Level
NHBC	National House Building Council
mOD	Metres above Ordnance Datum
PAH's	Polycyclic Aromatic Hydrocarbons
PHE	Public Health England
PID	Photo-Ionisation Detector
PQRA	Preliminary Quantitative Risk Assessment
PSD	Particle Size Distribution Test
RMS	Remediation Method Statement
S4UL	Suitable for Use Level
SOM	Soil Organic Matter
SPZ	Source Protection Zone
SPT	Standard Penetration Test
SSSI	Sites of Special Scientific Interest
ST-WEL	Short Term Workplace Exposure Limit
SVOC's	Semi-Volatile Organic Compounds
TPH	Total Petroleum Hydrocarbons
TRRL / TRL	Transport Road Research Laboratory
TWA-WEL	Time Weighted Average Workplace Exposure Limit
UK HBF	United Kingdom House Building Federation
VOC's	Volatile Organic Compounds
WAC	Waste Acceptance Criteria

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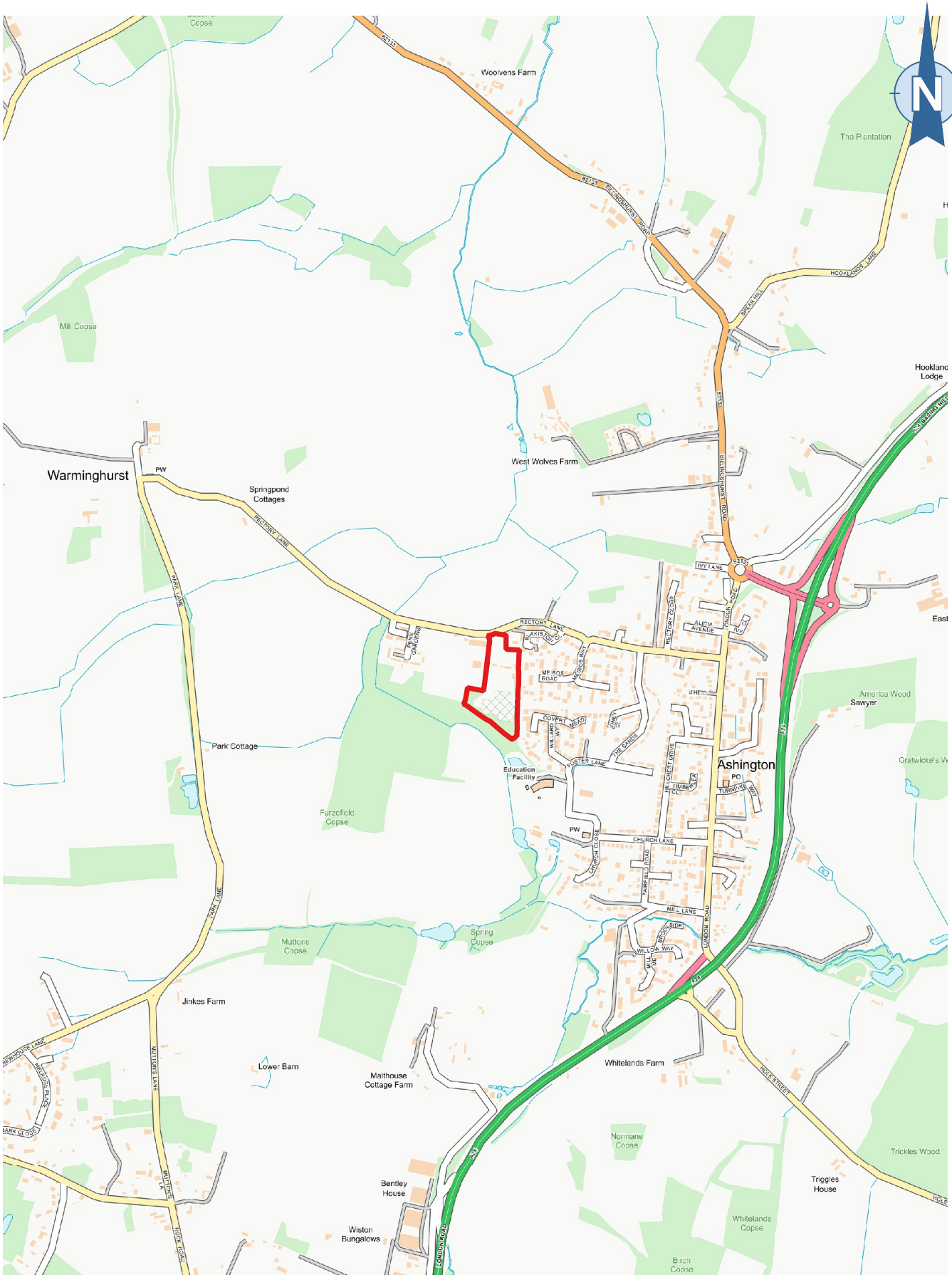

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	Project: CHANCONTBURY NURSERY, RH20 3AS		Figure: 1
	Client: LANDACRE DEVELOPMENTS (ASHINGTON) LTD		Date: 18/10/2021
	Prepared by: EP	Checked by: AC	Version: 01	Sheet: 1 of 1

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Land Science	Title: Exploratory Hole Location Plan		Reference: LS5899
	Project: CHANCTONBURY NURSERY, RH20 3AS		Figure: 2
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Locations are indicative. Not to scale



Rev	Date	Revision Details	Dr	Ch
D	01.10.21	Amended to Highways Consultant comment	KT	SLG
C	10.08.21	Parking to Plots 47, 73 & 74 amended.	SLG	AK
B	09.07.21	Plot 65&66 parking amended. Flats handed.	SLG	AK
A	30.06.21	Layout mix updated to client comments	SLG	AK

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Client's Name
Landacre

Job Title
Chanctonbury Nursery, Ashington
Pulborough

Drawing Title

Land Science	Title: Proposed Development Layout		Reference: LS5899
	Project: CHANCTONBURY NURSERY, RH20 3AS		Figure: 3
	Client: LANDACRE DEVELOPMENTS (ASHINGTON) LTD		Date: 18/10/2021
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APPENDIX A

Phase I Desk Study, Site Reconnaissance & Phase II Site Investigation Report

at Chanctonbury Nurseries, Rectory Lane, Ashington

for Linden Homes Guildford Ltd

Report Reference : LP00763

Report Date : 28th July 2015

Issue: 2

The Alpha, Guildford Road,
Cranleigh, Surrey, GU6 8AA

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EXECUTIVE SUMMARY

The site is located on the southern side of Rectory Lane, to the west of the village of Ashington, West Sussex and is currently used for the storage of caravans, campervans and cars with a disused nursery greenhouse at the southern end of the site. It is understood that the site is to be redeveloped with housing.

The site has been used use as a horticultural nursery since 1911 and there are various above ground fuel storage tanks and a chimney associated with the nursery.

The site is mapped as being underlain by Weald Clay, classified as Unproductive Strata. The site is not located within a source protection zone.

The investigation encountered an average of 0.3m of made ground (extending to 1.5m in one hole) over interbedded clay and clayey sand with occasional mudstone laminations. Groundwater was encountered at 1.4 – 2.2m bgl.

The results of the chemical laboratory testing indicate the made ground across the site is contaminated with lead and benzo(a)pyrene. The topsoil and natural soils are free from contamination. Fragments of asbestos were identified on the surface of the site on the eastern side. Recommendations for the remediation of the site have been given and include the removal of the made ground from garden and soft landscaping, where the made ground extends below 300mm in the western side of the site only it is recommended that a provision of 550mm of clean cover incorporating a minimum 150mm of topsoil is allowed for.

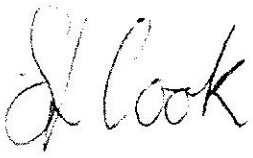
This report has been prepared by Leap Environmental Ltd on the basis of information received from a variety of sources which Leap Environmental Ltd believes to be accurate. Nevertheless, Leap Environmental Ltd cannot and does not guarantee the authenticity or reliability of the information it has obtained from others.

Leap Environmental Ltd has used all reasonable skill, care and diligence in the design and execution of this report, taking into account the manpower and resources devoted to it in agreement with the Client. Although every reasonable effort has been made to obtain all relevant information, all potential contamination, environmental constraints or liabilities associated with the site may not necessarily have been revealed.

The conclusions reached in this report are necessarily restricted to those which can be determined from the information consulted, and may be subject to amendment in the light of additional information becoming available. These conclusions may not be appropriate for alternative schemes.

This report is confidential to the Client, and Leap Environmental Ltd accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known, unless

formally agreed by Leap Environmental Ltd beforehand. Any such party relies upon the report at their own risk.

Signed : 

Sarah Cook

Countersigned : 

Richard Brinkworth BEng

Date : 28 July 2015

Revision: Issue 2

A INTRODUCTION

1 Authority

Leap Environmental Ltd (hereafter referred to as LEAP) has been appointed by Linden Homes Guildford to undertake a Phase I Desk Study, and Phase II intrusive Site Investigation of a site referred to as Chanctonbury Nurseries, Rectory Lane, Ashington. The instruction was given in an email dated 23rd June 2014 and signed by Terry Elliott of Linden Homes Guildford Ltd.

2 Objective

LEAP understands that the site is currently occupied by a nursery and caravan storage park and it is proposed to redevelop the site with 77 No. 2 storey residential dwellings as per the attached layout drawing copied in Figure 2

The objectives of this report are to:

- Provide information on the geotechnical and environmental quality of the ground present on the site and
- Assess the potential health and other environmental risks posed by the site to the proposed development and other specifically identified receptors and
- Assess the potential for offsite contamination to adversely affect the proposed development.

3 Scope of Works

This report describes a two stage process whereby the site is investigated and risks assessed. The term geoenvironmental is referred to throughout the report.

Geoenvironmental refers principally to the chemical nature of the ground and the degree of soil, water and/or land gas contamination and the impact that contamination may have on current or future development and also on the wider environment.

The investigation comprises two phases of work.

3.1 Phase I Scope

The first part of this report presents the results of a desk study and site reconnaissance. It provides a review of previous site investigation and remediation validation reports where they have been made available by the Client or where LEAP has been able to locate that information

from third party sources. The previous reports referred to are detailed above. The following sources of information have been reviewed also:

- Envirocheck database report
- Envirocheck Historical map Search
- Unexploded WWII aerial delivered bomb (UXB) regional risk maps produced by Zetica
- Interrogation of the Environment Agency Web site on 1/07/2014
- Interrogation of Horsham District Council Planning records for the site

A site reconnaissance was carried out on 30/06/2014. Current users of the site were interviewed.

The desk study and site reconnaissance have been used to develop an initial conceptual site model which has in itself been used to develop a strategy for an intrusive investigation. The initial site conceptual model is used to identify geotechnical and geoenvironmental hazards and the qualitative degree of risk associated with them. In terms of the geoenvironmental assessment the conceptual site model is used to identify potential sources of contamination, potential receptors, and pathways by which the two may be connected. These are known as possible pollutant linkages and it is these pollutant linkages that are key to contaminated land risk assessment.

The Phase I investigation is also referred to as a Preliminary Investigation[1] .

3.2 Intrusive Investigation Scope

The Phase II work comprises intrusive investigation, onsite monitoring and laboratory analysis. The results of this and previous investigations/remediation reports are used to validate and/or update the initial site conceptual model. Access at the time of the investigation was limited by the presence of the stored caravans and existing buildings.

- 15 No. windowless boreholes drilled with a tracked rig;
- 1 No. 0.5m deep boreholes drilled using hand auger boring apparatus;
- Geotechnical Laboratory Testing including Atterberg Limit Tests, and Sulphate Tests;

[1] BS 10175:2011 Investigation of Potentially Contaminated Sites – Code of Practice.

- Chemical Laboratory tests including 15 No. [illegible] standard soil suite tests, 8 No pesticide screens, PAH and petroleum hydrocarbons.

Selected samples of soil have been subjected to laboratory testing for a wide range of potential contaminants including metals, non-metals, polyaromatic and petroleum hydrocarbons and volatile organic compounds. The laboratory testing has been carried out by The Environmental Laboratory Ltd at its laboratories in East Sussex.

The final stage in the geoenvironmental assessment comprises a site specific risk assessment and interpretation of the results. Preliminary recommendations for remediation have been provided based on various development assumptions which are detailed in the following section and in the text of this report. The risk assessment has been carried out in accordance with UK industry standards and in particular in accordance with CLR11[2] and BS10175:2011.

[2] Environment Agency, 2004. Model Procedures for the management of land contamination. Contaminated Land Report 11.

B PHASE I – DESK STUDY

4 Environmental Setting

4.1 Site Location and Description

The site is located on the southern side of Rectory Lane, on the outskirts of the village of Ashington West Sussex. The site is roughly rectangular and extends to approximately 2.3ha.

The approximate National Grid Reference of the site is 512660 116290.

The site is divided in two parts, at the northern end of the site there is a grassed area, with open access from Rectory Lane. The field is laid to grass and divided from the remainder of the site by a ditch and a row of trees along its southern boundary. Asbestos cement fragments were noted on the surface of parts of the field and on the bank of the ditch.

The remainder of the site consists of the former nursery and is securely fenced with a large bund along the eastern boundary. The centre of the site is covered by blacktop gravel and is used for the storage of caravans, campervans and cars.

There are two above ground fuel tanks in the centre of the site, with an old chimney adjacent to the tanks, which may have been part of a boiler room used to heat the glass houses. It was also reported by the site manager that a diesel pipe ran south from the tanks to the glass house. A smaller tank was located immediately to the north of the greenhouse.

The glasshouse occupies the majority of the southern part of the site and appears to be formed of three glasshouse running through each other. The green houses have a concrete floor surfacing with soil bays running between the glasshouses.

To the west of the glass houses there is a pump house and bonfire area with a grassed area to the north. Mature deciduous and coniferous trees including oak, ash, sycamore, silver birch and pine are located along the eastern and western boundaries

There are a number of buildings located on the northern side of the site and an old barn, asbestos cement sheets were noted in the construction of these buildings.

The area of the site to the south of the glasshouses was too overgrown to access.

A site layout plan is provided as Figure 2 of Appendix A.

4.2 Geology

The geology of the site has been ascertained by reference to the 1:50,000 British Geological Survey sheet E318, solid and drift edition. The site is mapped as being underlain by Head over Weald Clay Formation.

4.2.1 Head

Head deposits accumulated largely by solifluction (the slow downslope movement of soil in response to the seasonal freezing and thawing of ground) and hillwash, mainly under periglacial conditions during the Quaternary glaciations. In general it occurs beneath concave slopes on the flanks and floors of valleys. It is locally derived and its content reflects the base geology, in this instance it comprises of variable deposits of impure clays, silts and sands, locally gravelly.

4.2.2 Wealden Beds / Weald Clay Formation

The Wealden Beds are Lower Cretaceous deposits. They comprise mostly shales and mudstones known as the Weald Clay with subordinate beds of siltstones, sandstones, shelly limestones and clay ironstones. When fresh the beds are normally dark grey but weather to yellow and brown. Conspicuous bands of red clay also occur usually in close association with sandstone beds. The geology map shows that a band of sandstone underlies the southern part of the site, and that a thin sandstone bed can be found just outside the site boundary to the north.

4.3 Hydrogeology

The Hydrogeology of the site has been ascertained from the Envirocheck data report. The source of the data is reported to be the Environment Agency Groundwater Vulnerability mapping.

The soils which underlie the majority of the site are classified as a non aquifer due to unproductive strata with negligible permeability. The sandstone bed in the south of the site is classified as a Secondary A Aquifer.

The site is not situated within a Groundwater Source Protection Zone (SPZ).

4.4 Surface Water Resources

There is a drainage ditch running along the southern boundary of the site. There is a small spring-fed stream 50m south of the site boundary, and two small ponds immediately west of the site.

According to the Environment Agency website, the site is not situated within an area that has a significant chance of flooding.

There are two discharge consents within a 250m radius of the site, the nearest is 94m south of the site and is for sewage discharge to a freshwater stream.

4.5 Ecology

There are no sensitive land uses within a 250m radius of the site.

5 Site Usage

5.1 Current Land Use

The current site layout is shown in Figure 1, Appendix A.

5.2 Evidence of Onsite Contamination

A walkover survey was carried out on 30th June 2014. There are two above ground fuel tanks located in the centre of the site with numerous pipes extending out from the tanks. A bucket was being used to catch a leak from one of the pipes. A diesel pipe is reported to run from the tanks to the green house. There is also a chimney adjacent to the tanks.

A number of the buildings along the eastern boundary and in the northern part of the main site were noted to contain asbestos cement sheet roofs and walls.

5.3 Neighbouring Land Use

The site is in on the edge of the village with a housing estate to the east and field to the north and south.

5.4 Site History

5.4.1 Historical Map Evidence

1875 -1879 – 1:2,500

The site is shown as a field with trees along its northern boundary. There is a track running across the middle of the site and scattered trees along the eastern and southern boundaries.

A rectory is located off site adjacent to the north east corner of the site and there is a stream 30m south of the site.

1911 – 1:2,500

There have been no changes to the site or surrounding area.

1937 – 1939 – 1:2,500

A nursery is shown in the northern half of the site while the southern half of the site remains undeveloped. The nursery comprises one large greenhouse along the northern end with a smaller greenhouse to the south of it. There has been some residential development to the east and west of the site.

1947 – Aerial Photo

The glasshouses are visible on the northern end of the site.

1952 – 1:10,560

There is a tank shown in the south west corner of the site.

1974 – 1:2,500

There has been further development of the nursery with additional green houses on the south western part of the site. There are also a number of small buildings in the centre of the site. The tank is now shown as a reservoir and pump house.

There has been further residential development to the east of the site.

1993 – 1:2,500

There have been no changes to the layout of the nursery.

2006 – 1:10,000

The greenhouses at the northern end of the site have been replaced with a large greenhouse at the southern end of the site. There are a number of small buildings shown in the centre of the site.

5.5 Unexploded Ordnance

The risks from unexploded ordnance have been assessed in accordance with CIRIA guidance[3]. A non UXO specialist preliminary screening assessment has been carried out. The risks have been assessed by considering firstly the likelihood of military activities on, or in the vicinity of the site as determined from the desk study and historical review. Secondly the risk of UXO has been assessed by reference to the unexploded WWII aerial delivered bomb (UXB) regional risk maps produced by Zetica.

The Zetica risk maps indicate a low risk. Hence the overall risk of UXO is rated as low.

5.6 Waste Planning and Landfill Records

There are no current or historic landfills within a 500m radius of the site. The closest active landfill is at Broadbridge Farm, Ashington which is some 897m north of the site. This receives inert waste.

[3] CIRIA C681 2009. Unexploded ordnance (UXO) - A guide for the construction industry

5.7 Fuel Storage

There are two tanks located on the centre of the site. There are no further recorded fuel storage locations within a 500m radius of the site.

5.8 Radon

According to the Envirocheck database search and the BRE report "Radon: Guidance on protective measures for new buildings" 2007 edition, the site is not within a radon affected area. No special protective measures are required in the construction of buildings on this site, in respect of radon gas.

C PRELIMINARY CONCEPTUAL SITE MODEL

6 Environmental Risk Assessment

6.1 Conceptual Site Model

A risk based approach is used to assess contaminated or potentially contaminated land within the UK. For a potential risk to exist then there must be in place a pollutant linkage. i.e. there must be a source of contamination, a potential receptor and a pathway linking the two.

In order to quantify the magnitude of the risk then it is necessary to first calculate the potential exposure of the receptor as a result of all the individual active pollutant linkages affecting that receptor. Secondly it is necessary to ascertain "what is an acceptable exposure level for each of the identified receptors and contaminants?". Various numerical models are available to aid in the assessment and these are discussed in more detail in section F.

The purpose of the Conceptual Site Model, in this instance, is to identify all of the potential pollutant linkages, by considering in turn, the potential sources, receptors and pathways.

6.2 Sources

6.2.1 Onsite Sources

The following potential sources of contamination have been identified on site:-

Table 1: Onsite sources of contamination

Source	Contaminants of Concern
Nursery	Heavy Metals, Pesticides, herbicides, petroleum hydrocarbons (PHC)
Caravan and Campervan Storage	Heavy metals, PAH, PHC
Tanks and boiler room	Petroleum Hydrocarbons
Made ground	Heavy metals and asbestos

The site remained undeveloped until a nursery was built in 1937, glass houses have been built at the northern and southern end of the site throughout its history. There are two tanks located on site and a chimney which is likely to be associated with a boiler room which is no longer present.

6.2.2 Offsite Sources

The desk study has highlighted the following potential off site sources of contamination:

The site is located in a predominately rural area with residential properties located to the east of the site, as such there are limited sources of offsite contamination within the vicinity of the site.

6.3 Receptors

Potential receptors are those which may be impacted by any of the contaminants of concern identified above, and include the following:-

- Future residents and construction workers
- Groundwater – Unproductive Strata with Secondary A Aquifer in southern corner of the site
- Surface Water – Pond immediately off site to west
- Material construction of buildings and infrastructure

6.4 Pathways and Potential Pollutant Linkages

The development will include private gardens and public open space. All potential pollutant linkages involving resident humans and soil contaminants will be active i.e. direct ingestion of soil, ingestion of soil attached to plants as well as via plant uptake, inhalation of indoor and outdoor vapour and of dust tracked back into the house and finally ingestion of water carried by plastic water pipes through contaminated ground.

Ground workers are at risk from all of the above except for those involving edible plants.

The majority of the site is underlain by Unproductive strata with a Secondary A Aquifer at the southern end of the site. Hence there is a limited potential pathway for leachate from soil pollutants and for mobile liquid contaminants to enter the groundwater. The water table is anticipated to be some distance below ground surface and hence the overall risk to the groundwater resource is low.

6.5 Conclusions

The site has a history of use as a nursery and prior to this was an open field and is currently being used for caravan and campervan storage. Potential pollutant linkages are therefore limited to onsite contaminants used as part of the nursery for example pesticides and herbicides along with contaminants associated with the tanks and heating of the glass houses and any fuel from the current vehicles being stored on site. Asbestos was also noted on site.

The site is located on the edge of a village with limited potentially contaminative land uses within the vicinity. Risks to offsite receptors from potential on site contamination is limited, as the site is underlain by Weald Clay, an unproductive strata with negligible leaching potential.

D PHASE II - INTRUSIVE INVESTIGATION

7 Investigation Strategy and Findings

7.1 Investigation Rationale

A total of 16 test holes were excavated across the site in order to give general coverage, concentrating on the location of the proposed construction and the tanks located in the centre of the site. The site investigation locations are shown on Figure 1, Appendix A.

Access was slightly restricted within the glasshouses due to headspace and to the south of the site as it was overgrown. The stored caravans also limited access in the north.

Field Work

7.2 Fieldwork Date and Weather Conditions

The intrusive investigations were undertaken in a single phase on 30th June and 2nd July 2014. At the time of the investigations, the weather was sunny and hot.

7.3 Ground Conditions

The ground conditions are described in detail in the logs attached in Appendix D. In summary the soil conditions were as follows:

Table 2: Summary of soils encountered – northern field and western grassed area (WS1, WS2 WS14, WS15 and HA16)

Depth From (m)	Depth To (m)	Soil Type	Description
0.0	0.1/0.9	TOPSOIL	Light brown and grey silty clayey TOPSOIL with rootlets and some light orange iron staining and occasional fine brick, glass and flint gravel.
0.1/0.4	0.54/1.5	MADE GROUND	Light brown and grey mottled orange silty clayey MADE GROUND with fine to medium clinker, blacktop and glass.
0.1/ 1.7	1.8/3.0	CLAY	Stiff to very stiff orange brown and grey very sandy CLAY with grey more silty patches and some siltstone/sandstone laminations.

1.3/2.4	1.7/ 3.0	SAND	Medium dense orange brown and grey very clayey SAND with iron staining and weakly consolidated in patches.

The topsoil was noted to contain the occasional brick fragment and at the northern end of the site (WS1 and WS2) the occasional glass fragment. It was reported by the current site manager that a glass house had been located at this end of the site prior to it being damaged in 1987 therefore further glass may be present in the topsoil.

Deep made ground was encountered under the topsoil in WS14 on the western side of the site to 1.5m.

Table 8: Summary of soils encountered – hardstanding in centre of site and in glasshouse

Depth From (m)	Depth To (m)	Soil Type	Description
0.0	0.05/ 0.1	BLACKTOP	Grey and black BLACKTOP gravel
0.0/0.1	0.3	MADE GROUND	Light brown and grey mottled orange silty clayey MADE GROUND with fine to medium clinker, blacktop and glass.
0.1/ 0.3	1.8/3.0	CLAY	Stiff to very stiff orange brown and grey very sandy CLAY with grey more silty patches and some siltstone/sandstone laminations.
1.3/2.4	1.7/ 3.0	SAND	Medium dense orange brown and grey very clayey SAND with iron staining and weakly consolidated in patches.

The soils within the glass house were within bays and were very dry on the surface, no topsoil or surfacing was present in this area.

The clays were interbedded with sands across the site, mudstone was encountered at the base of WS1 and WS8 only.

7.3.1 Groundwater

Groundwater was encountered in a number of the trial holes across the site between 1.4 – 2.2m bgl.

7.3.2 Other Observations

Asbestos cement fragments were noted on the surface around WS9 and WS6.

E GEOLOGICAL APPRAISAL

8 Strata Encountered

8.1 Made Ground

Shallow made ground was encountered across the majority of the area of the site used for caravan and campervan storage and around the nursery. Deeper made ground was encountered in WS14 and WS15 up to a maximum depth of 1.5m.

Made ground or fill is by nature highly variable in both composition and bearing capacity and can be subject to large differential settlements when loaded. It is therefore generally unsuitable for use as a bearing stratum. Generally it is advised that soakaways should not be allowed to drain through made ground as this can cause excessive inundation settlement and the made ground may contain contaminated material.

8.2 Clay

Underlying the topsoil and made ground there was a firm to stiff clay. The clay was noted to be desiccated in borehole WS4, adjacent to the trees along the boundary of the site. The clay was noted to be variable in colour and contain a varying amount of sand or silt, some shallow clays were soft to firm but generally rapidly becoming stiff to very stiff with depth.

8.3 Sand

The clay was interbedded across parts of the site with medium dense clayey sand. SPT blow counts in the sand within the boreholes range from N = 31 – 54 and indicate the sand is medium dense to dense.

F GEO-ENVIRONMENTAL APPRAISAL

9 Conceptual Site Model

The site has a history of use as a nursery and subsequently as a caravan and vehicle storage location. There are a number of potential contaminative uses still located on the site including above ground fuel storage tanks, a diesel pipeline and chimney.

The site is located on the edge of a village, adjacent to a housing estate. The desk study did not identify any significant potential sources of contamination in the vicinity of the site.

The site is underlain by unproductive strata.

10 Testing Strategy

Testing was carried out to get general coverage across the site but also focused on the areas around the above ground fuel tanks and within the glass houses located on the site.

Samples have been tested for a range of contaminants including heavy metals, PAH, petroleum hydrocarbons and pesticides. Samples have also been screened for asbestos.

The grassed area to the western side of the site and the grassed area at the northern end of the site was covered in topsoil (although deep made ground was present underlying the topsoil on the western side of the site in WS14).

The remainder of the site, was covered by gravel surfacing or the glasshouses and shallow made ground was encountered across this part of the site. The topsoil and made ground have been separated into different populations for statistical analysis.

The laboratory test results are presented in full in the appendices.

11 Assessment Criteria

11.1 Human Health Assessment Criteria

Pollutant linkages containing human health have been risk assessed by comparing the soil laboratory test results to Tier 1 Site Assessment Criteria. These are based on published Soil Guideline Values or LQM/CIEH Generic Assessment Criteria[4] (GAC) assuming a residential land use.

[4] The LQM/CIEH Generic Assessment Criteria for Human Health Risk Assessment. 2nd edition. Chartered Institute of Environmental Health and Land Quality Management Ltd. 2009.

In accordance with current HPA guidance[5], the assessment of PAHs has been carried out using a surrogate marker approach, whereby the assessment of risk from Benzo (a) Pyrene also captures potential risks from other carcinogenic PAHs that may be present. The threshold PAHs have been assessed similarly, by using Naphthalene as a marker compound.

In this report, the recently released category 4 screening level has been used as an assessment criterion for lead. It is noted, that this is significantly lower than previously accepted screening levels (less than half), but is based on current and evolving toxicological assessment carried out on behalf of DEFRA. The ramifications for the UK contaminated land industry are such that further development of this position is possible.

11.1.1 Statistical Assessment

In assessing soil test results and comparing them to any threshold or screening value, an assessment must first be made as to how accurately the test results reflect the true mean of the contaminant level within the ground. In this assessment for each parameter the test data have been subjected to statistical assessment based on the methodology set out in *CIEH report 2008: Guidance on comparing Soil Contamination Data with a Critical Concentration.* The Upper Confidence Level or U_{95} value is thereby calculated as being the level at which we would be 95% confident that the true mean is **less** than this value. For the purposes of this assessment, a conservative approach has been adopted in the statistics. All non-detect values have been treated as being equal to half the limit of detection.

It should be noted that for the purposes of these assessments, no statistical outliers have been excluded. The CIEH guidance document that accompanies the statistics calculator states:

> ***outliers should be excluded from a dataset ONLY where they:***
>
> - *are obviously and demonstrably the result of an error that can be identified and explained, or*
> - *clearly indicate that more than one soil population exists within the dataset and this can be justified by (or informs the further development of) the conceptual model*

12 Analytical Test Results – Soils

The made ground from across the site has been assessed as one population.

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[5] HPA Contaminated Land Information Sheet. Risk Assessment Approaches for Polycyclic Aromatic Hydrocarbons (PAHs). Version 3. Health Protection Agency, 2010.

12.1 Metals and Non Metals – Made Ground

Table 3: Summary of soil contamination test results within Made Ground (8 samples)

Determinant	Arithmetic Mean (mg/kg)	UCL U_{95} (mg/kg)	Evidence Level (%)	Assessment Criteria (mg/kg)	Samples which exceed AC (Including outliers)
Arsenic	13	17	100	32	None
Cadmium	0.25	0.25	100	10	None
Hexavalent Chromium	1	1	100	4.3	None
Copper	16	19	100	2330	None
Lead	107	256	88	200	WS7 @0.2m
Mercury	0.25	0.25	100	170[1]	None
Nickel	9.6	11.4	100	130	None
Zinc	74	88	100	3750	None

Notes to table

1. *Assessment criterion based on inorganic Mercury*

With the exception of lead there is at least a 95% confidence limit that the true mean of each of the above parameters is below the Acceptance Criteria. That is to say that, statistically, there is an acceptable degree of confidence that the made ground is contaminated with lead only.

12.2 Polyaromatic Hydrocarbons (PAH)

PAH are widespread within made ground and the urban environment generally. They are one of the most common contaminants in made ground and the one that most commonly drives remediation. Benzo(a)Pyrene is a particular problem, being very commonly found in association with tarmac, clinker and any burnt products and also being highly toxic to human health. The assessment criterion for BaP is close to levels that are found naturally in many topsoils and this makes it very difficult for any population of soils to pass the CIEH statistics with a 100% evidence level.

The BaP and naphthalene results have been subject to statistical analysis as for the metals. The results are summarised as follows:

Table 4: Summary of BaP and Naphthalene in Made Ground (8 samples)

Determinant	Arithmetic Mean (mg/kg)	UCL U_{95} (mg/kg)	Evidence Level (%)	Assessment Criteria[1] (mg/kg) Residential with plant uptake 2.5% SOM	Samples which exceed AC (Including outliers)
Benzo(a)Pyrene	8.3	39.6	0	0.94	WS4 @ 0.1m WS7 @ 0.2m WS10@ 0.1m
Naphthalene	0.05	0.05	100	3.7	None

The results indicate the made ground is contaminated with Benzo(a)pyrene. A very elevated level of 58.4mg/kg was recorded in WS10 at 0.1m which is thought to contain blacktop however removing this sample from the statistical analysis as an outlier still indicates that the made ground is contaminated with Benzo(a)pyrene with an upper confidence limit of 4mg/kg.

12.3 Topsoil – Metals and Non Metals

A total of four samples of the topsoil have been tested for the same range of contaminants as the made ground.

Table: Summary of soil contamination test results within Topsoil (4 samples)

Determinant	Arithmetic Mean (mg/kg)	UCL U_{95} (mg/kg)	Evidence Level (%)	Assessment Criteria (mg/kg)	Samples which exceed AC (Including outliers)
Arsenic	23	17	100	32	None
Cadmium	0.25	0.25	100	10	None
Hexavalent Chromium	1	1	100	4.3	None
Copper	39	19	100	2330	None
Lead	143	308	69	200	None

Mercury	0.25	0.25	100	170[1]	None
Nickel	19.3	35	100	130	None
Zinc	85	131	100	3750	None

Notes to table

2. *Assessment criterion based on inorganic Mercury*

With the exception of lead there is at least a 95% confidence limit that the true mean of each of the above parameters is below the Acceptance Criteria. That is to say that, statistically, there is an acceptable degree of confidence that the topsoil is not contaminated. All individual values for lead are below the assessment criteria which indicates that while the upper confidence limit is above the assessment criteria the topsoil should be regarded as free from contamination based on the limited testing of the topsoil.

12.4 Polyaromatic Hydrocarbons (PAH) - Topsoil

The BaP and naphthalene results have been subject to statistical analysis as for the metals. The results are summarised as follows:

Table 5: Summary of BaP and Naphthalene in Topsoil (4 samples)

Determinant	Arithmetic Mean (mg/kg)	UCL U_{95} (mg/kg)	Evidence Level (%)	Assessment Criteria[1] (mg/kg) Residential with plant uptake 2.5% SOM	Samples which exceed AC (Including outliers)
Benzo(a)Pyrene	0.067	0.14	100	0.94	None
Naphthalene	0.05	0.05	100	3.7	None

The results indicate the topsoil is free from PAH contamination.

12.5 Natural Soils

12.5.1 Metals and Non Metals

Three samples of the natural clay were tested for heavy metals. Although three samples is insufficient to carry out any statistical analyses, the individual heavy metal results were below the generic assessment criteria and as such are considered to be free from heavy metal contamination.

12.5.2 Polyaromatic Hydrocarbons (PAH)

The three samples of the natural clay were also tested for PAH. The measured naphthalene and Benzo(a)pyrene concentrations were below the screening level and as such the natural soils are not considered to be contaminated with respect to PAH at this stage.

12.6 Petroleum Hydrocarbons (PHC)

The site has a history of use as a nursery with caravan and vehicle storage, there are tanks and a diesel pipe located on the site therefore selected samples from boreholes within the vicinity of these potential sources of contamination were submitted for laboratory testing,

Table 6: Summary of petroleum hydrocarbon test results (6 soil samples)

Determinant	Results (mg/kg)	Generic Assessment Criteria (mg/kg) Residential with plant uptake 2.5% SOM	Samples that exceed assessment criterion
PHC Aliphatic C5-6	<0.01	55	None
PHC Aliphatic C6-8	<0.01	160	None
PHC Aliphatic C8-10	0.3 – 3.5	46	None
PHC Aliphatic C10-12	<0.1 – 20	230(118)[vap]	None
PHC Aliphatic C12-16	<0.1 – 43.8	1700(59)[sol]	None
PHC Aliphatic C16-21	<0.1 – 2.3	64000(21)[sol]	None
PHC Aliphatic C21 - 35	<0.1 – 64.8	64000(21)[sol]	None
PHC Aromatic C5-7	<0.01	130	None
PHC Aromatic C7-8	<0.01	270	None
PHC Aromatic C8-10	<0.1 – 9.6	65	None
PHC Aromatic C10-12	<0.1 – 11	160	None

PHC Aromatic C12-16	<0.1 – 28.6	310	None
PHC Aromatic C16-21	<0.1 – 10.7	480	None
PHC Aromatic C21-35	<0.1 – 205.9	1100	None

Notes to Table

Assessment Criteria assume that no free phase product is present
Assessment Criteria based on subsurface soil to indoor air correction factor of 10
Oral dermal and inhalation exposure compared with Oral Health Criteria value
[sol] Assessment Criteria presented exceeds the solubility saturation limit which is presented in brackets
[vap] Assessment Criteria presented exceeds the vapour saturation limit which is presented in brackets

The results of the petroleum hydrocarbon testing indicate that the hydrocarbons detected are below the assessment criteria.

12.7 Pesticide Screen

Eight soil samples were screened for pesticides. The results from across the site including within the glass houses indicate that with the exception of WS11 at 0.1m where 0.012mg/kg DDE was encountered all other results were below the limit of detection.

12.8 Asbestos

All of the soil samples tested were screened for the presence of asbestos containing materials and/or loose asbestos fibres. No asbestos was identified in any of the samples tested.

13 Risk Assessment

The investigation has identified limited exceedences of the assessment criteria for lead and Benzo(a)pyrene in the shallow made ground however there is not sufficient evidence that the soils are classified as outliers and to exclude these results from the dataset.

13.1 Human Health

The results of the chemical analysis indicate the made ground is contaminated with lead and would pose an unacceptable risk to the future residents if that soil were to remain within the near surface of garden areas where direct human contact is possible.

Asbestos was noted on the surface of the site but not detected in any of the samples. Asbestos presents a potential risk to human health if loose fibres are able to become airborne. There is no evidence of disaggregation of the asbestos cement as no fibres have been detected. Risks to future residents are similarly low, but given the uncertainty surrounding the potential for asbestos cement to generate respirable airborne fibres and the acceptable exposure limits,

then due consideration should be given as to how best to negate any future exposure and this is discussed below.

Slightly elevated levels of petroleum hydrocarbons were detected however these were below the assessment criteria and therefore do not pose a risk to human health.

The pesticide screen also identified DDE in one of the samples tested, with was encountered in shallow clay soils within the greenhouse and it is recommended that the soils are excavated as part of the made ground removal exercise.

13.2 Controlled Waters

The site is underlain by unproductive strata. Groundwater was encountered in the monitoring wells between 1.4 – 2.2m bgl. No groundwater monitoring has been carried out however given the limited contamination encountered to date and that the site is located on low permeability unproductive strata the risk to any groundwater is likely to be localised and considered low risk.

14 Conclusions and Recommendations

The made ground was found to be contaminated with lead and PAH and is not suitable to remain in the near surface soils in proposed areas of soft landscaping and private gardens. Allowance should be made for the removal of the made ground, which was encountered to approximately 300mm across the site, where deeper made ground is encountered (WS14 on the western side of the site) a minimum 550m of clean cover should be allowed for. The made ground can remain under less sensitive areas of the site e.g. beneath roads and buildings if they meet the geotechnical specification for use in these areas.

DDE was encountered in the near surface clay soils within the glasshouse. It is recommended at this stage that these soils are excavated and incorporated with the made ground removal exercise. Alternatively, since no generic assessment criteria exists for DDE, further risk assessment to produce a site specific assessment criteria could be carried out in order to mitigate the requirement for soil removal.

Some petroleum hydrocarbon contamination was noted within the vicinity of the tanks although the results did not exceed the assessment criteria, however care should be taken when excavating under the tanks and along the diesel line for any undetected hydrocarbon contamination, which is considered likely given the state of repair of the tanks and lines. Care should be taken when removing the tanks and within any excavations within these areas if any previously unidentified contamination is identified.

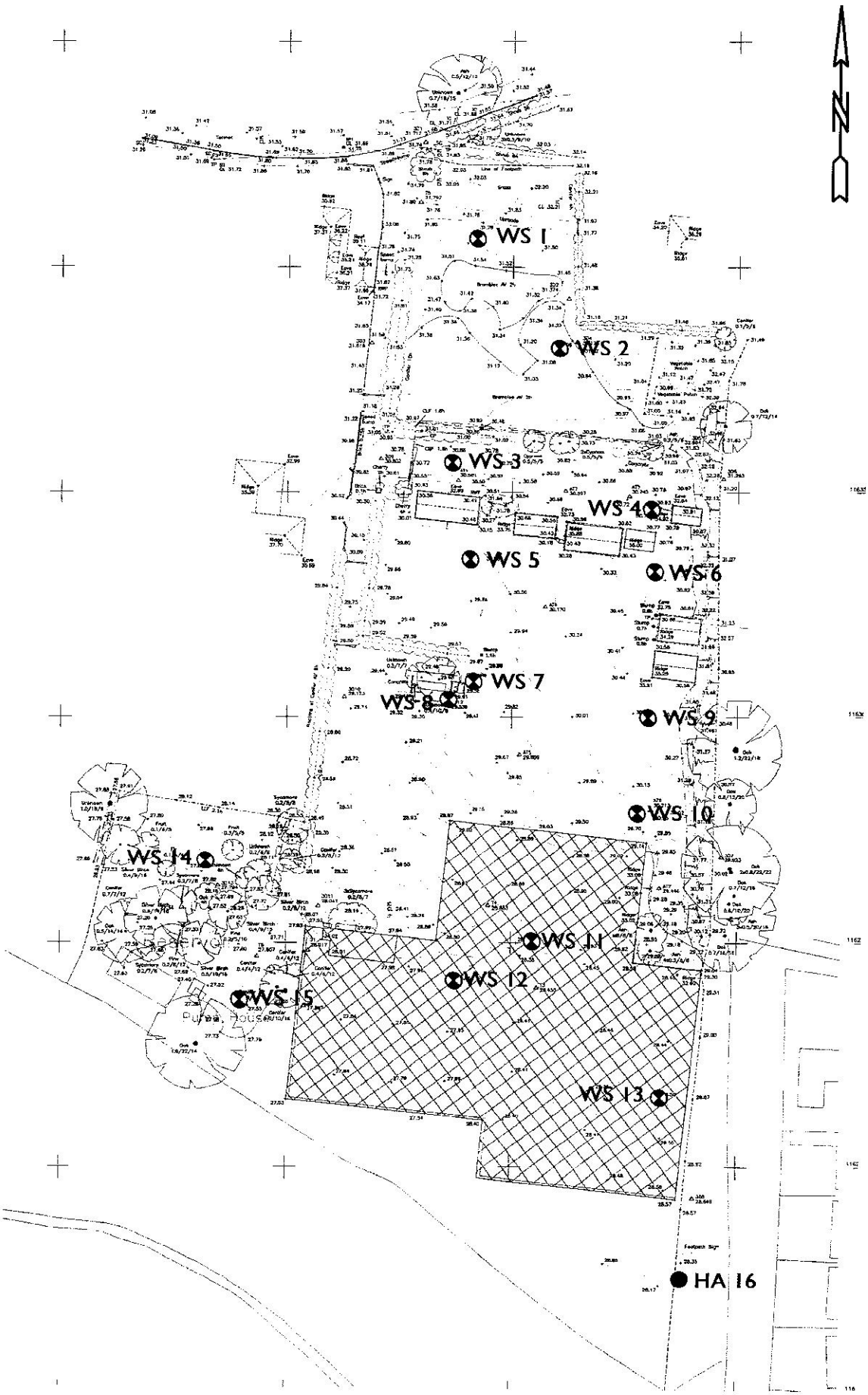
Given the site's former use and the presence of contaminated made ground on site the local water supply company may specify the use of contamination resistant water supply pipes such as "Protecta-Line" or similar.

Access to areas within the glasshouses was restricted and it is recommended care is taken lifting the slabs to check for any potential contamination which has not been encountered as part of the previous investigations.

This is a redevelopment site, and there is always a risk of hitherto undetected contamination. A careful watch should be maintained throughout the construction and particularly during the ground works stage. Any signs of contamination should be carefully inspected and the advice of an experienced engineer sought. They should be able to advise on the suitability of the material for retention on site and as to whether or not further testing is required.

APPENDIX A

Figures



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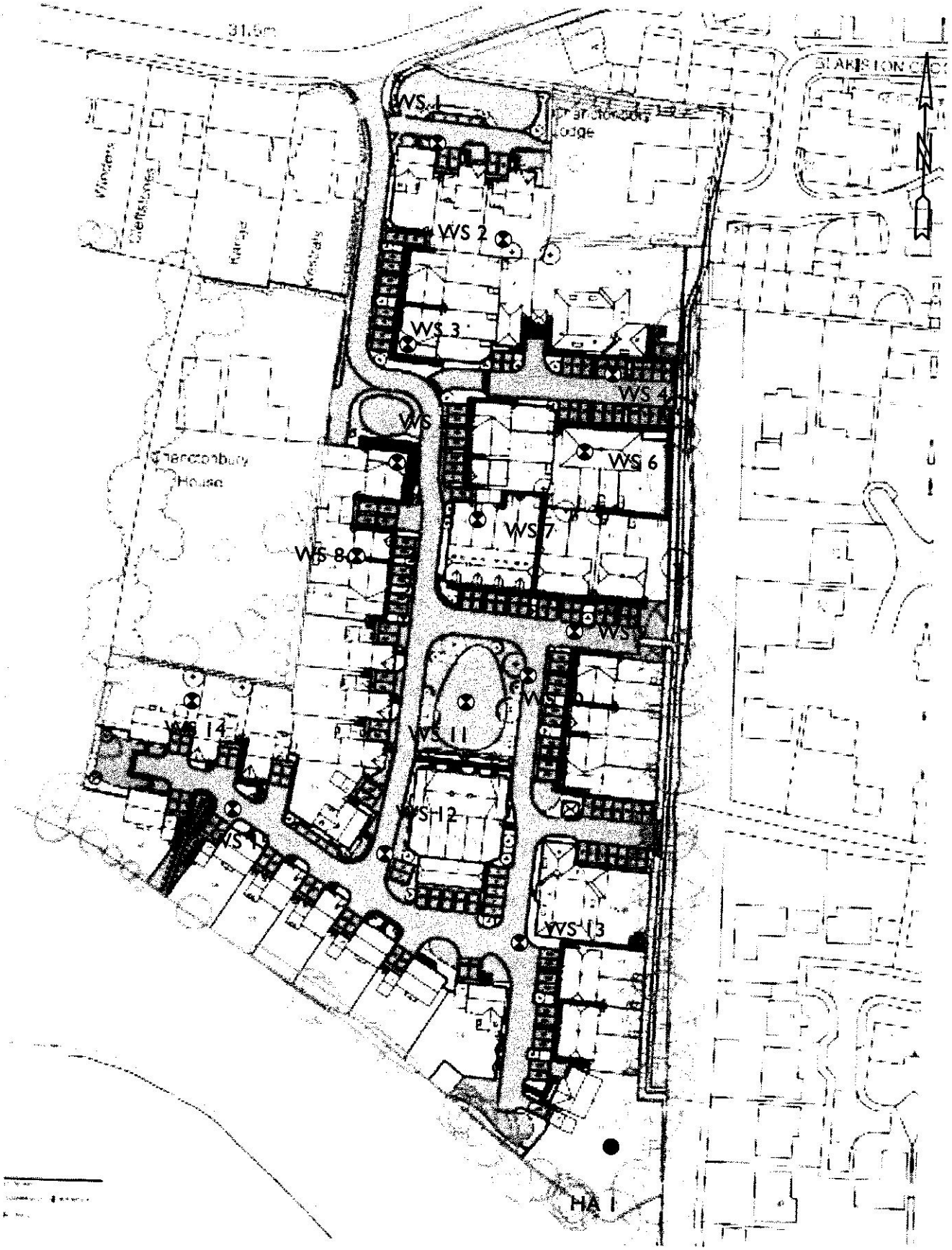
Project :	Chanctonbury Nursery, Ashington	**Title :**	Borehole Location Plan with Existing Site Layout	*Fig. No.*	x

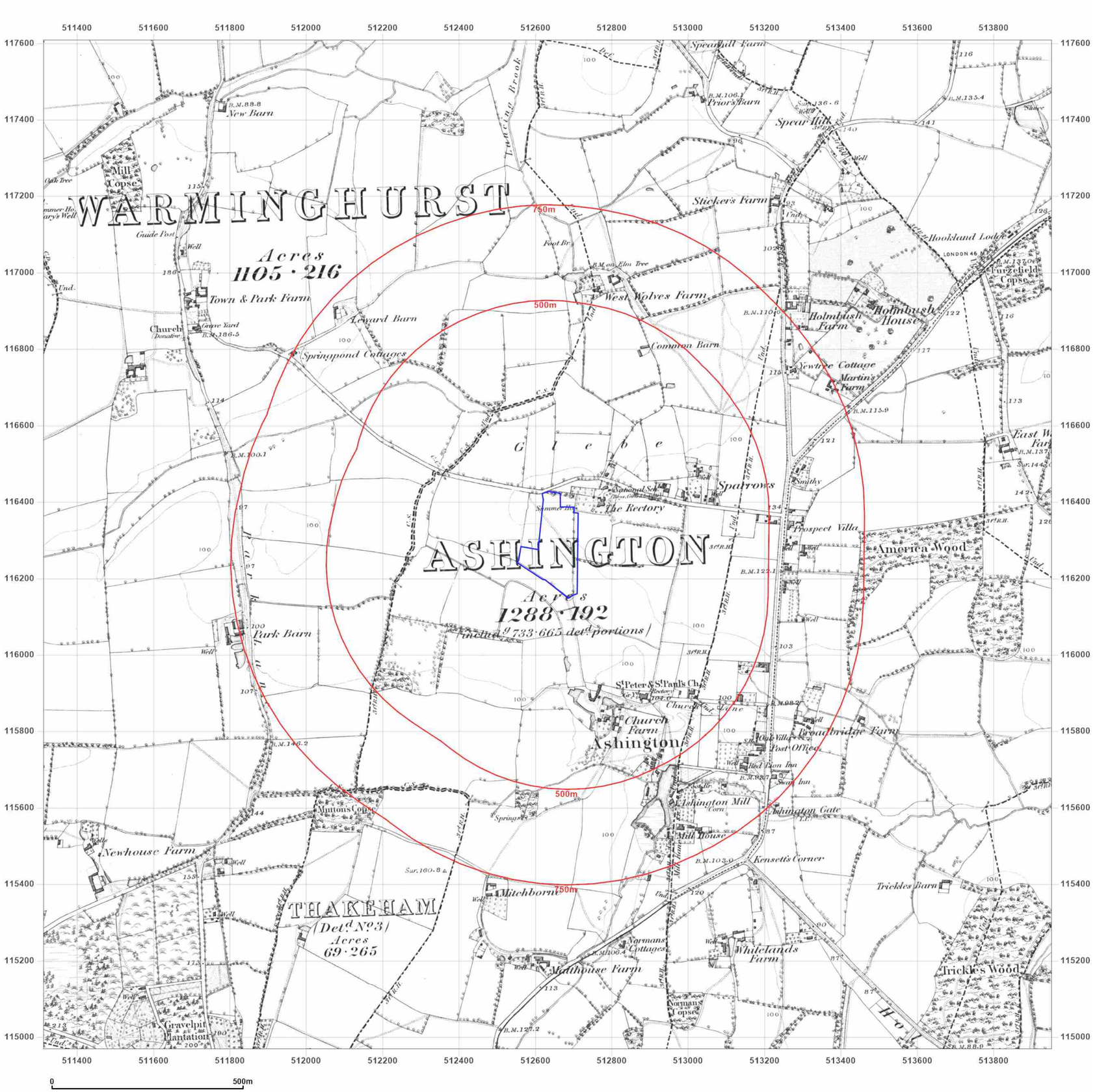


Client :	Linden Homes Guildford	**Date:**	03/07/2014	**Project ID:**	LP00763
Project :	Chanctonbury Nursery, Ashington	**Title :**	Borehole Location Plan with Proposed Layout	**Fig. No.**	2

APPENDIX D:
Groundsure
Historical Maps

2 The Long Barn, Norton Farm, Selborne Road, Alton, Hampshire GU34 3NB
0333 600 1221 enquiries@groundandwater.co.uk **groundandwater.co.uk**

Registered Office: Kineton House, 31 Horse Fair, Banbury, Oxfordshire OX16 0AE Registered in England No. 07032001



Groundsure INSIGHTS

Site Details:

CARFAX, RECTORY LANE,
ASHINGTON, WEST SUSSEX,
RH20 3AS

Client Ref: GWPR6247
Report Ref: GS-NBK-JHO-MZU-6F6
Grid Ref: 512631, 116288

Map Name: County Series

Map date: **1875**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1875
Revised 1875
Edition N/A
Copyright N/A
Levelled N/A

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Groundsure Insights
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E: info@groundsure.com
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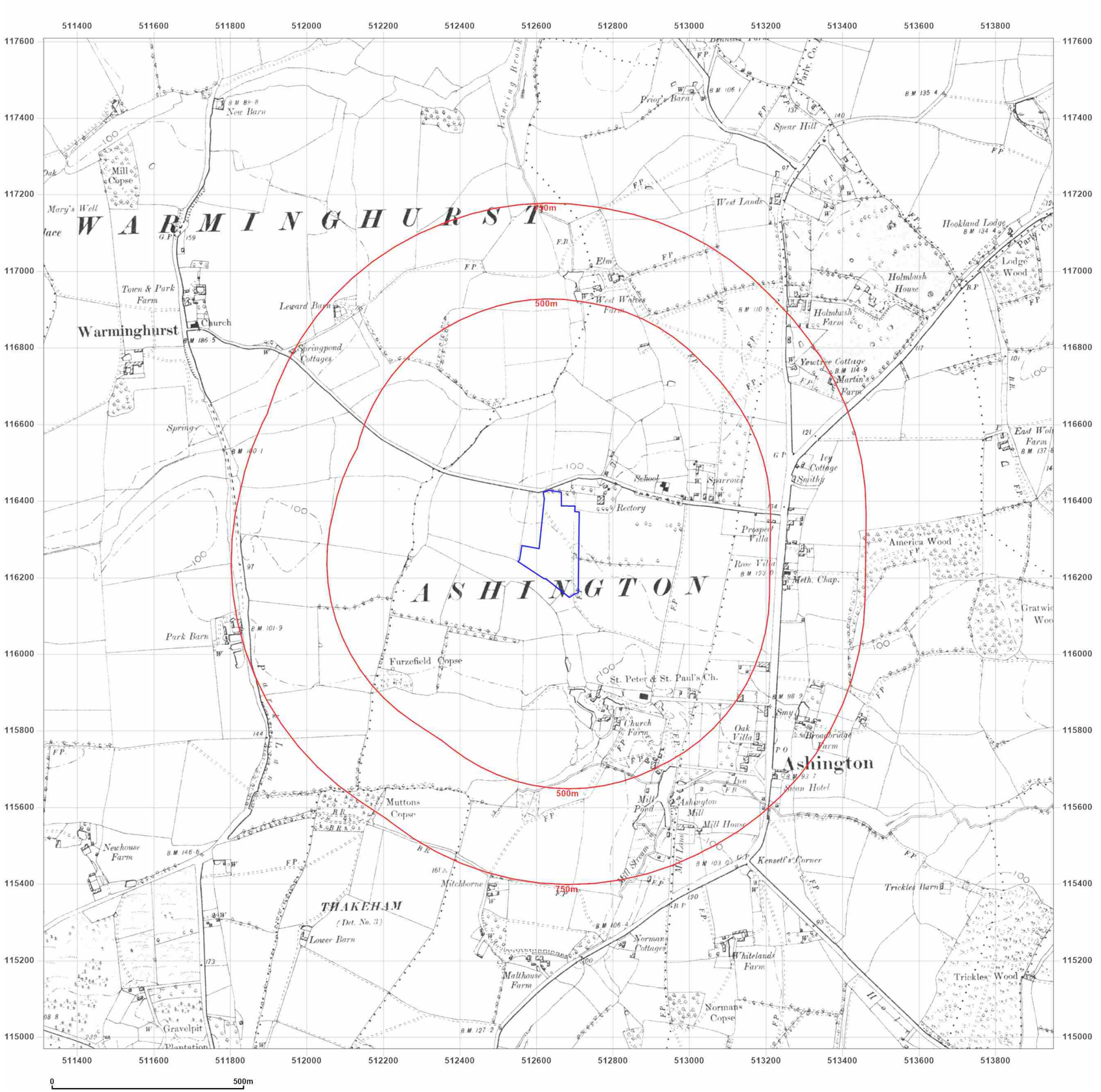
Production date: 20 December 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Groundsure INSIGHTS

Site Details:

CARFAX, RECTORY LANE,
ASHINGTON, WEST SUSSEX,
RH20 3AS

Client Ref: GWPR6247
Report Ref: GS-NBK-JHO-MZU-6F6
Grid Ref: 512631, 116288

Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1876
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

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RH20 3AS

Client Ref: GWPR6247
Report Ref: GS-NBK-JHO-MZU-6F6
Grid Ref: 512631, 116288

Map Name: County Series

Map date: **1909**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1875
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

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Map legend available at:
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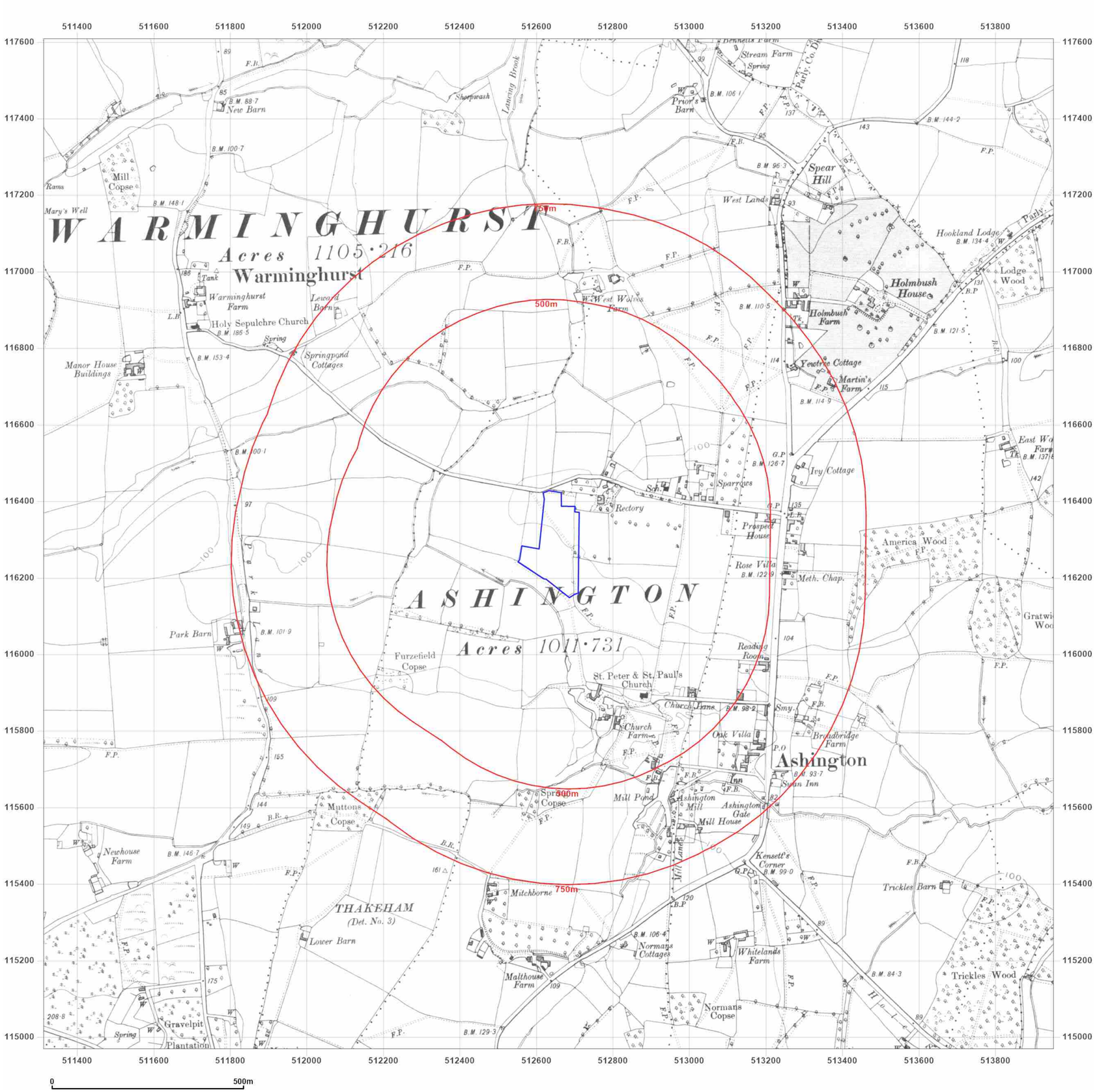

Groundsure INSIGHTS

Site Details:

CARFAX, RECTORY LANE,
ASHINGTON, WEST SUSSEX,
RH20 3AS

Client Ref: GWPR6247
Report Ref: GS-NBK-JHO-MZU-6F6
Grid Ref: 512631, 116288

Map Name: County Series

Map date: **1909**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1875
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

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Map legend available at:
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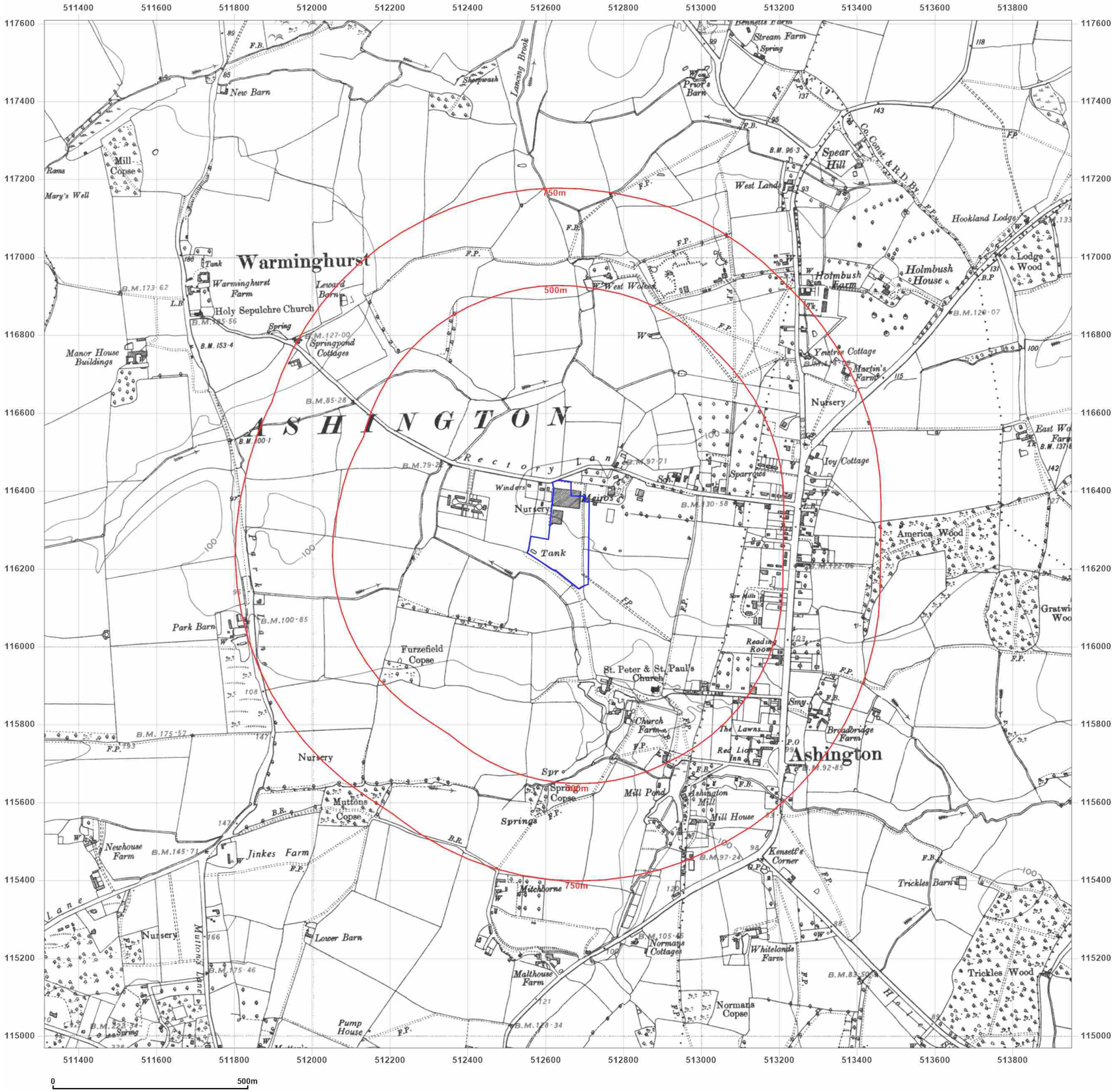

Groundsure INSIGHTS

Site Details:

CARFAX, RECTORY LANE,
ASHINGTON, WEST SUSSEX,
RH20 3AS

Client Ref: GWPR6247
Report Ref: GS-NBK-JHO-MZU-6F6
Grid Ref: 512631, 116288

Map Name: County Series

Map date: **1946**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1875
Revised 1946
Edition N/A
Copyright N/A
Levelled N/A

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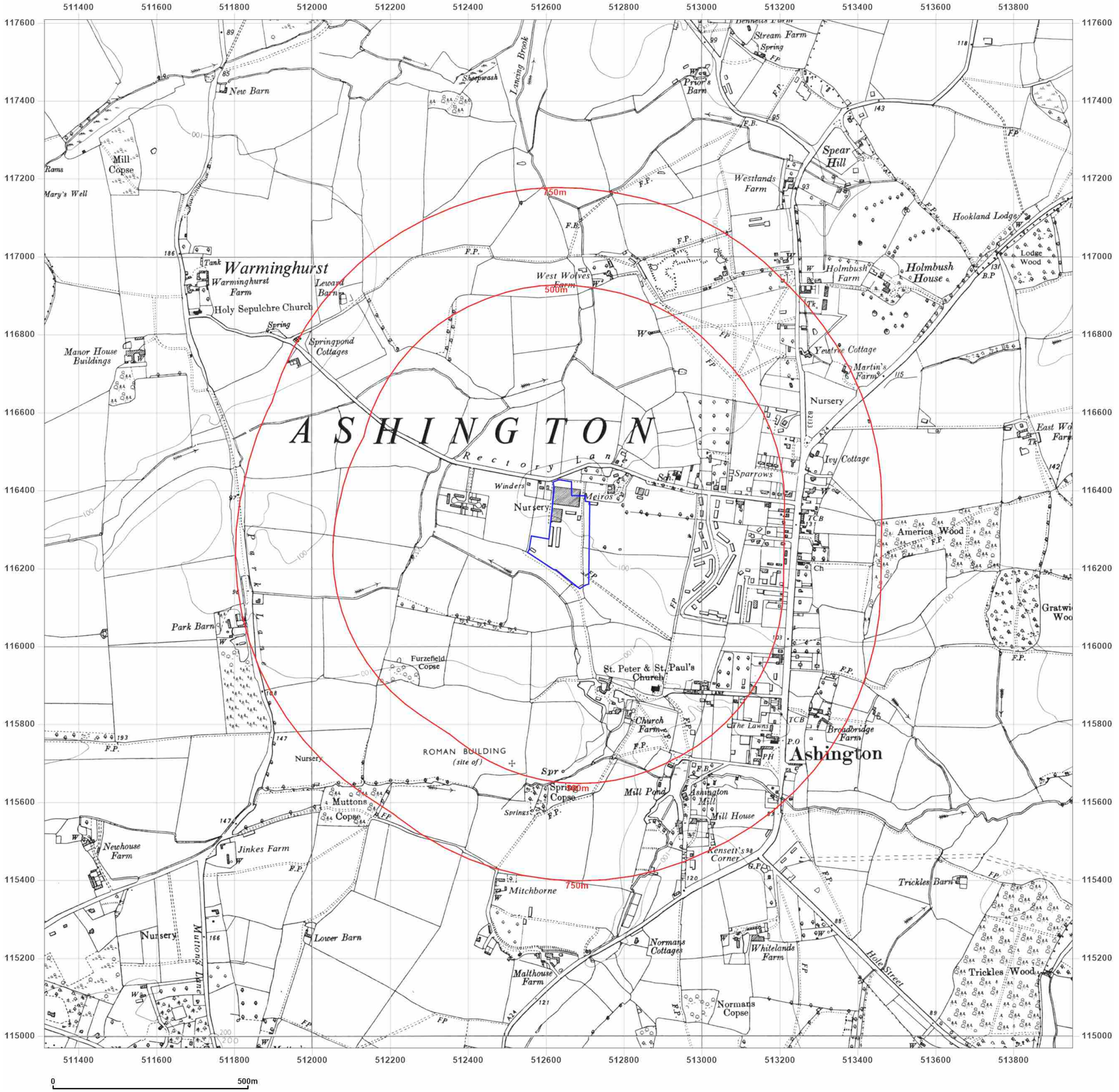
Production date: 20 December 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Groundsure INSIGHTS

Site Details:

CARFAX, RECTORY LANE,
ASHINGTON, WEST SUSSEX,
RH20 3AS

Client Ref: GWPR6247
Report Ref: GS-NBK-JHO-MZU-6F6
Grid Ref: 512631, 116288

Map Name: Provisional

Map date: **1957-1961**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1957
Revised 1961
Edition N/A
Copyright N/A
Levelled N/A

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Map legend available at:
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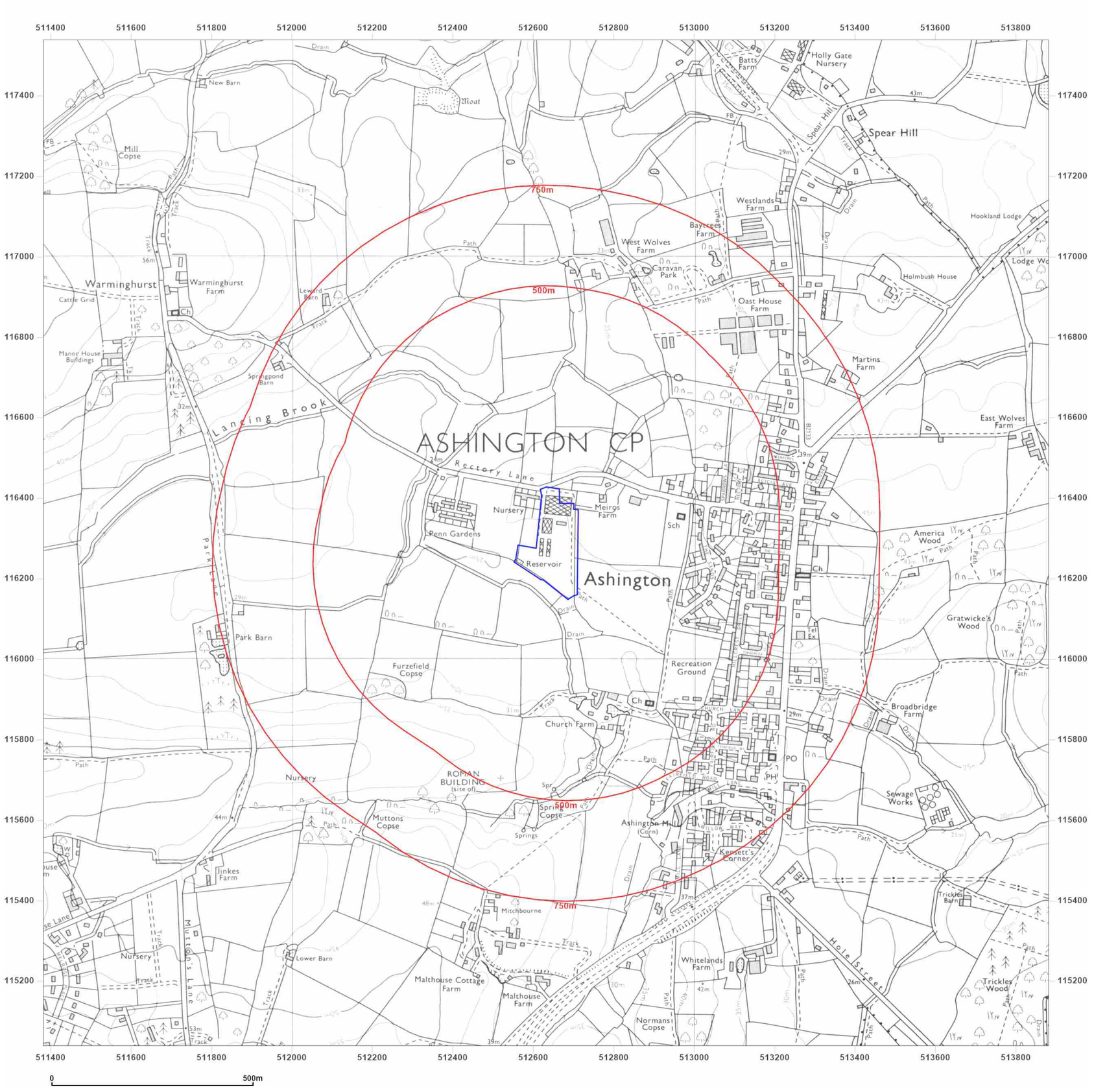

Groundsure INSIGHTS

Site Details:

CARFAX, RECTORY LANE,
ASHINGTON, WEST SUSSEX,
RH20 3AS

Client Ref: GWPR6247
Report Ref: GS-NBK-JHO-MZU-6F6
Grid Ref: 512631, 116288

Map Name: National Grid

Map date: **1980**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1973
Revised 1980
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 20 December 2024

Map legend available at:
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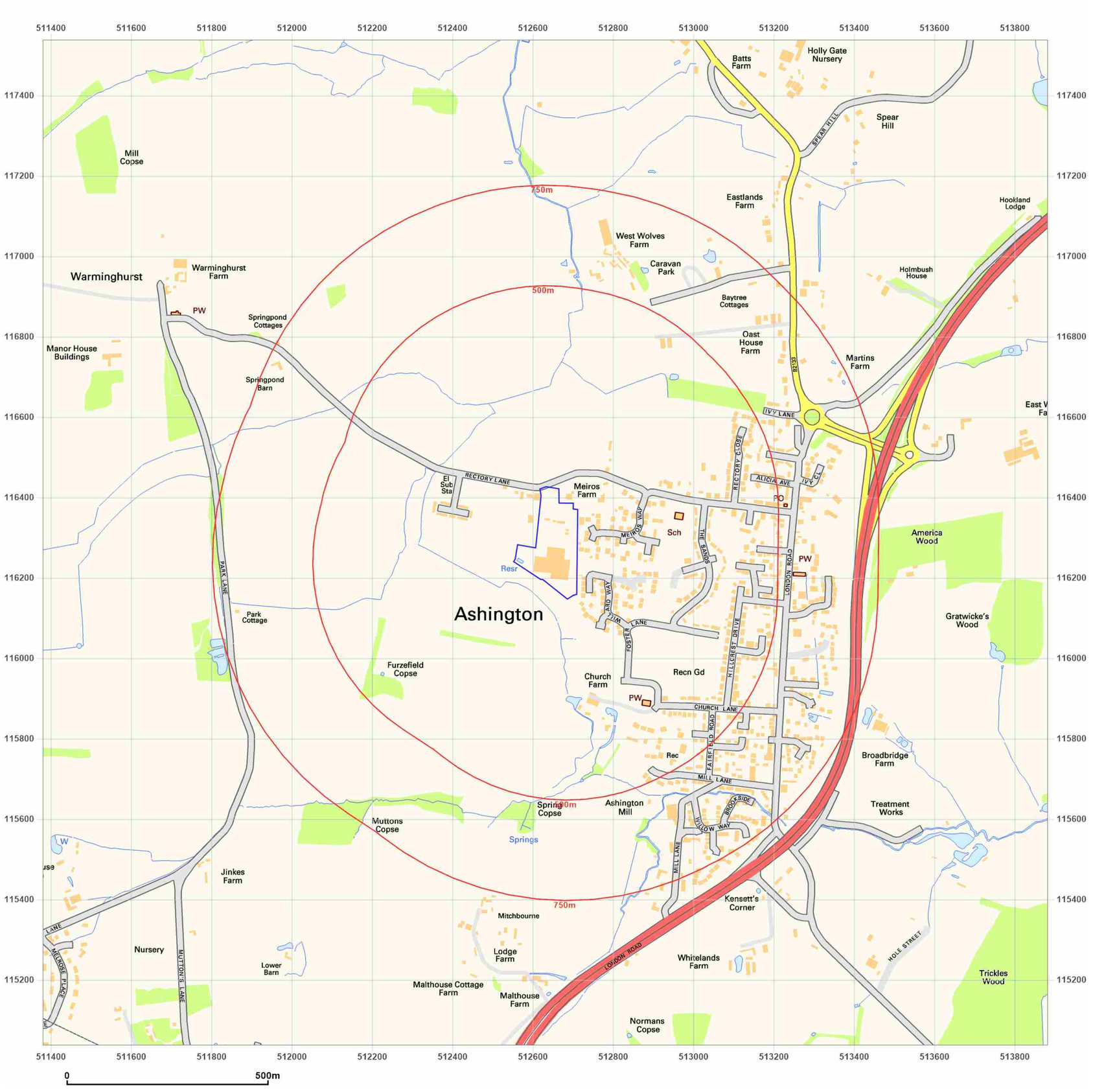

Groundsure INSIGHTS

Site Details:

CARFAX, RECTORY LANE,
ASHINGTON, WEST SUSSEX,
RH20 3AS

Client Ref: GWPR6247
Report Ref: GS-NBK-JHO-MZU-6F6
Grid Ref: 512631, 116288

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
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2001

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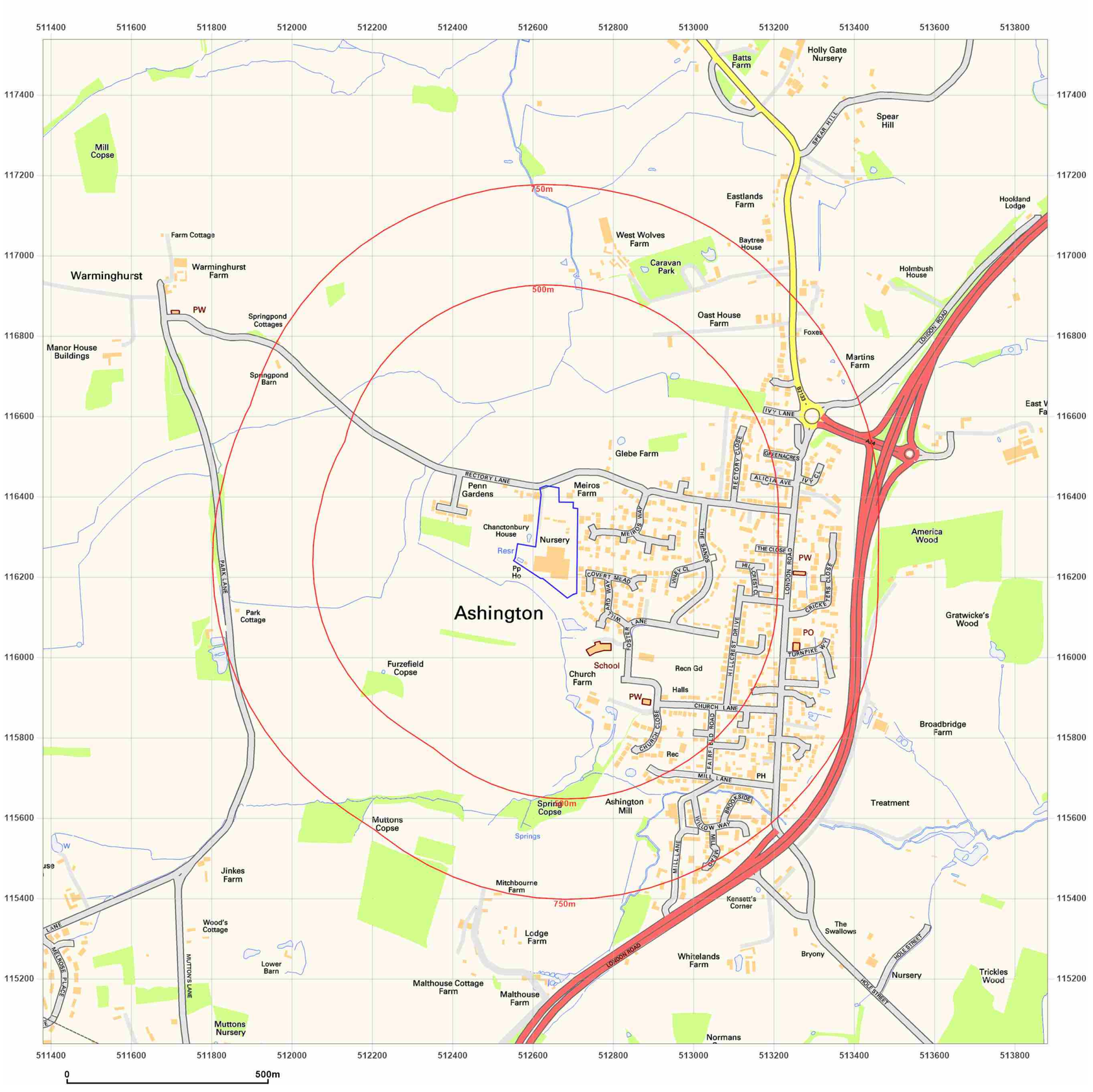

Groundsure INSIGHTS

Site Details:

CARFAX, RECTORY LANE,
ASHINGTON, WEST SUSSEX,
RH20 3AS

Client Ref: GWPR6247
Report Ref: GS-NBK-JHO-MZU-6F6
Grid Ref: 512631, 116288

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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Production date: 20 December 2024

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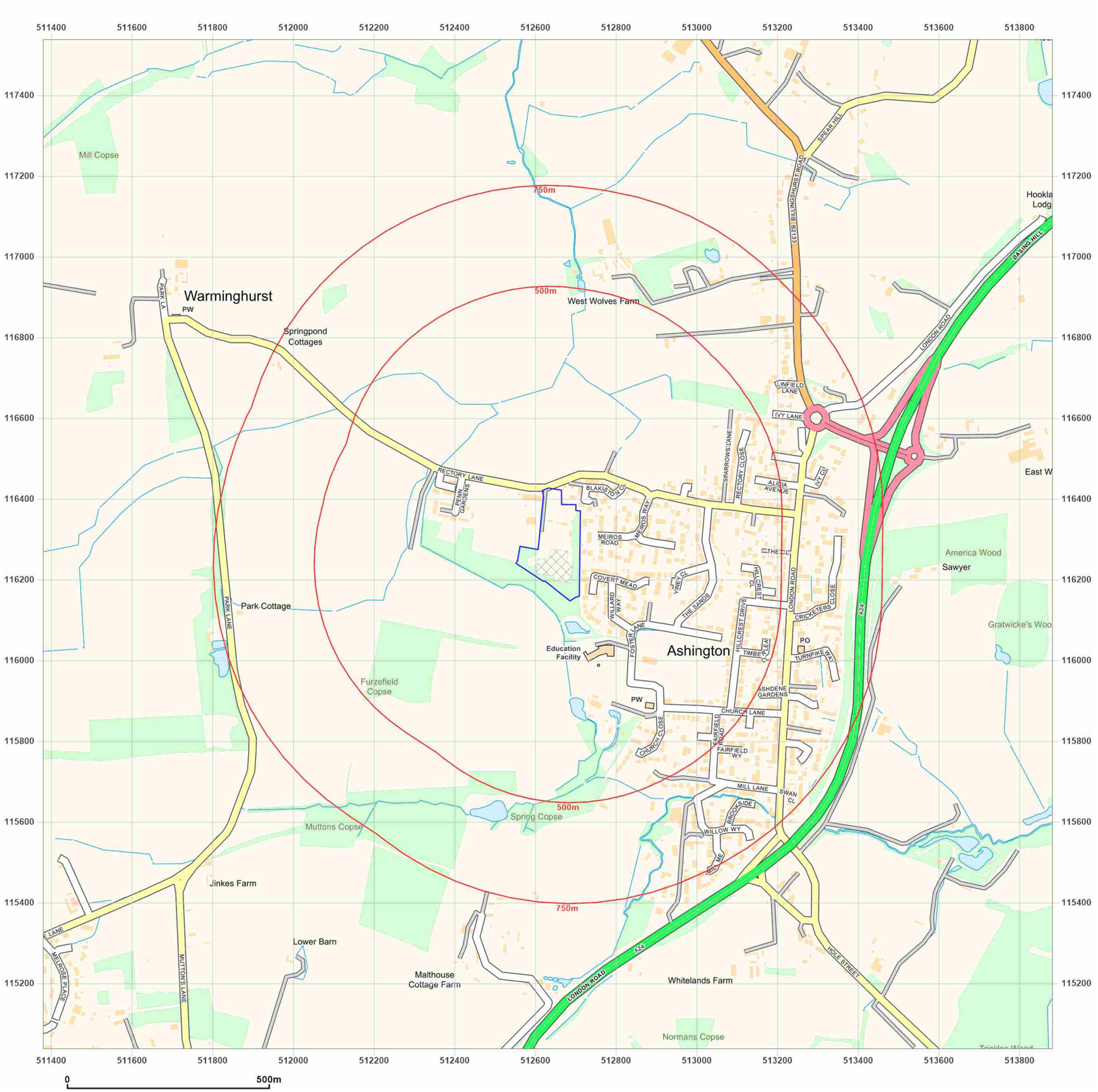

Groundsure INSIGHTS

Site Details:

CARFAX, RECTORY LANE,
ASHINGTON, WEST SUSSEX,
RH20 3AS

Client Ref: GWPR6247
Report Ref: GS-NBK-JHO-MZU-6F6
Grid Ref: 512631, 116288

Map Name: National Grid

Map date: **2024**

Scale: 1:10,000

Printed at: 1:10,000

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2024

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Production date: 20 December 2024

Map legend available at:
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APPENDIX E:
Trial Hole Logs

2 The Long Barn, Norton Farm, Selborne Road, Alton, Hampshire GU34 3NB
0333 600 1221 enquiries@groundandwater.co.uk **groundandwater.co.uk**

Registered Office: Kineton House, 31 Horse Fair, Banbury, Oxfordshire OX16 0AE Registered in England No. 07032001

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough		Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough		Contractor:	
Project No. : GWPR6247		Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP401	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint and brick.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP402	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								TOPSOIL: Dark brown sandy CLAY with roots. Sand is fine.
					0.20			Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP403	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			MADE GROUND: Dark brown gravelly fine to medium SAND. Gravel comprises fine to medium sub-angular flint, brick, pea shingle and road planings.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP404	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
					0.50			Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
								End of Borehole at 0.500m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP405	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint and brick.
								REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP406	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint , concrete, metal fragments and brick.
								REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP407	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint , concrete, metal fragments and brick.
								REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

1
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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP408	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

1
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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP409	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP410	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP411	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					0.75			End of Borehole at 0.750m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough		Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough		Contractor:	
Project No. : GWPR6247		Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP412	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					0.75			End of Borehole at 0.750m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP413	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
					0.75			Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
								End of Borehole at 0.750m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP414	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					0.75			End of Borehole at 0.750m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP415	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					0.75			End of Borehole at 0.750m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP416	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint , concrete, timber metal fragments and brick.
					0.30			REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP417	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			Light brown slightly clayey gravelly fine SAND. Gravel comprises fine to medium sub-angular to sub-rounded flint. (WEALD CLAY FORMATION).
					0.50			Dark orangish brown with light grey slightly gravelly sandy CLAY. Gravel comprises fine to medium sub-angular to sub-rounded flint and occasional sandstone. Sand is fine. (WEALD CLAY FORMATION).
								End of Borehole at 0.500m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP418	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			Light brown slightly clayey gravelly fine SAND. Gravel comprises fine to medium sub-angular to sub-rounded flint. (WEALD CLAY FORMATION).
					0.50			Dark orangish brown with light grey slightly gravelly sandy CLAY. Gravel comprises fine to medium sub-angular to sub-rounded flint and occasional sandstone. Sand is fine. (WEALD CLAY FORMATION).
								End of Borehole at 0.500m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP419	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			Light brown slightly clayey gravelly fine SAND. Gravel comprises fine to medium sub-angular to sub-rounded flint. (WEALD CLAY FORMATION).
					0.50			Dark orangish brown with light grey slightly gravelly sandy CLAY. Gravel comprises fine to medium sub-angular to sub-rounded flint and occasional sandstone. Sand is fine. (WEALD CLAY FORMATION).
								End of Borehole at 0.500m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP420	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			Light brown slightly clayey gravelly fine SAND. Gravel comprises fine to medium sub-angular to sub-rounded flint. (WEALD CLAY FORMATION).
					0.50			Dark orangish brown with light grey slightly gravelly sandy CLAY. Gravel comprises fine to medium sub-angular to sub-rounded flint and occasional sandstone. Sand is fine. (WEALD CLAY FORMATION).
								End of Borehole at 0.500m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP401	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint , concrete, metal fragments and brick.
					0.30			REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					2.00			End of Borehole at 2.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP402	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.25			MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint , concrete, timber metal fragments and brick.
								REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					2.00			End of Borehole at 2.000m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP403	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.25			MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint , concrete, timber metal fragments and brick.
								REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					2.00			End of Borehole at 2.000m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP405	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint and brick.
					0.40			REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.30			MADE GROUND: Dark grey sandy GRAVEL comprising sub-angular brick and concrete rubble.
					2.30			MADE GROUND: Concrete slab.
					2.30			End of Borehole at 2.300m

1 2 3 4 5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Groundwater encountered from 1.30m bgl. Trial pit met refusal at 2.30m bgl on concrete slab.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP406	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint and brick.
					0.40			REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.50			MADE GROUND: Dark grey sandy GRAVEL comprising coarse to cobble bricks, concrete, glass, tyres and car parts.
					2.30			MADE GROUND: Concrete slab.
					2.30			End of Borehole at 2.300m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Groundwater encountered from 1.70m bgl. Trial pit met refusal at 2.30m bgl on concrete slab.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP407	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint and brick.
					0.40			Light brown and grey sandy CLAY. Sand is fine. (WEALD CLAY FORMATION).
					2.60			End of Borehole at 2.600m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP408	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint and brick.
					0.60			Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					2.00			End of Borehole at 2.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Percussion Drilling Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS401A	WS			1:50	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.50			MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint and brick.
								REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					2.00			MADE GROUND: Concrete slab
					2.30			End of Borehole at 2.300m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

No groundwater encountered. Borehole met refusal at 2.30m bgl on concrete slab.

Percussion Drilling Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS401B	WS			1:50	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.50			MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint and brick.
								REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					2.00			MADE GROUND: Concrete slab
					2.30			End of Borehole at 2.300m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

No groundwater encountered. Borehole met refusal at 2.30m bgl on concrete slab.

Percussion Drilling Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS402	WS			1:50	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint and brick.
					0.55			REWORKED GROUND: Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					2.00			MADE GROUND: Concrete slab
					2.30			End of Borehole at 2.300m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

No groundwater encountered. Borehole met refusal at 2.30m bgl on concrete slab.

Percussion Drilling Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 02/01/2025
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Drilling Equipment:

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS405	WS			1:50	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			MADE GROUND: Dark brown gravelly fine to medium SAND. Gravel comprises fine to medium sub-angular flint, brick and road planings.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					3.00			End of Borehole at 3.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks

No groundwater encountered. Borehole met refusal at 3.0m bgl.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP301	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	G		0.30			Light brown slightly clayey gravelly fine SAND. Gravel comprises fine to medium sub-angular to sub-rounded flint. (WEALD CLAY FORMATION).
		0.50	D					Orangish brown with light grey slightly gravelly sandy CLAY. Gravel comprises fine to medium sub-angular to sub-rounded flint and occasional sandstone. Sand is fine. (WEALD CLAY FORMATION).
		0.80	D					
		1.00	D					
		1.50	D		1.50			End of Borehole at 1.500m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP302	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	D		0.30			Light brown slightly clayey gravelly fine SAND. Gravel comprises fine to medium sub-angular to sub-rounded flint. (WEALD CLAY FORMATION).
		0.50	D					Dark brown sandy CLAY. Sand is fine. (WEALD CLAY FORMATION).
		0.80	D					
		1.00	D					
		1.50	D		1.50			End of Borehole at 1.500m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough		Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough		Contractor:	
Project No. : GWPR6247		Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP303	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	D		0.20			Light brown slightly clayey gravelly fine SAND. Gravel comprises fine to medium sub-angular to sub-rounded flint. (WEALD CLAY FORMATION).
		0.50	D					Dark orangish brown with light grey slightly gravelly sandy CLAY. Gravel comprises fine to medium sub-angular to sub-rounded flint and occasional sandstone. Sand is fine. (WEALD CLAY FORMATION).
		0.80	D					
		1.00	D					
		1.50	D		1.50			End of Borehole at 1.500m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP306	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	D		0.15			MADE GROUND: Dark brown gravelly sandy CLAY. Sand is fine to medium and gravel comprises fine sub-angular to sub-rounded flint and brick.
		0.50	D					Light brown and light grey sandy silty CLAY. Sand is fine. (WEALD CLAY FORMATION).
		0.80	D					
	▼	1.00	D					
		1.50	D		1.50			End of Borehole at 1.500m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Groundwater encountered at 1.0m bgl.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP307	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
	▼	0.10	D		0.15			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
		0.50	D					Light brown and light grey slightly gravelly very sandy CLAY. Sand is fine and gravel comprises occasional fine to medium sub-angular sandstone. (WEALD CLAY FORMATION).
		0.80	D					
		1.00	D					
		1.50	D		1.50			End of Borehole at 1.500m

1
2
3
4
5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Groundwater strike encountered at 0.30m bgl.

AGS

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP308	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	D		0.15			MADE GROUND: Dark brown gravelly fine to medium SAND. Gravel is fine to medium brick and Type 1.
	▼	0.50	D					Orangish brown and light grey slightly clayey fine SAND. (WEALD CLAY FORMATION).
		0.80	D		0.80			Orangish brown with grey very sandy CLAY. Sand is fine. (WEALD CLAY FORMATION).
		1.00	D					
		1.50	D		1.50			End of Borehole at 1.500m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Groundwater encountered at 0.50m bgl.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP309	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	D		0.15			MADE GROUND: Dark brown gravelly fine to medium SAND. Gravel comprises fine to medium sub-angular flint, brick and type 1.
		0.50	D					Light brown and grey sandy CLAY. Sand is fine. (WEALD CLAY FORMATION).
		0.80	D					
		1.00	D		1.00			Light brown and grey clayey fine SAND. (WEALD CLAY FORMATION).
		1.50	D		1.50			End of Borehole at 1.500m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP301	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	D		0.15			TOPSOIL: Dark brown sandy CLAY with roots. Sand is fine.
		0.50	D					Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
	▼	0.80	D					
		1.00	D		1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Groundwater encountered at 0.80m bgl.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 28/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP302	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15			TOPSOIL: Dark brown sandy CLAY with roots. Sand is fine.
								Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 28/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP303	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								TOPSOIL: Dark brown sandy CLAY with roots. Sand is fine.
					0.18			Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

1
2
3
4
5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

AGS

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP304	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	D		0.15			TOPSOIL: Dark brown sandy CLAY with roots. Sand is fine.
		0.50	D					Orangish brown and grey sandy CLAY. Sand is fine to medium. (WEALD CLAY FORMATION).
	▼	0.80	D					
		1.00	D		1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Groundwater encountered at 0.80m bgl.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 28/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP305	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark brown gravelly fine to medium SAND. Gravel comprises fine to medium sub-angular flint, brick and road planings.
					0.40			Light brown and grey sandy CLAY. Sand is fine. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 28/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP306	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
					1.00			Light brown and grey sandy CLAY. Sand is fine. (WEALD CLAY FORMATION).
								End of Borehole at 1.000m

1 2 3 4 5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 28/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP307	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1 and road planings.
								Light brown and grey sandy CLAY. Sand is fine. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date:
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP308	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20			MADE GROUND: Dark brown slightly clayey gravelly fine to medium SAND. Gravel comprises fine to medium sub-angular to sub-rounded flint, brick and Type 1.
								Light brown and grey sandy CLAY. Sand is fine. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date:
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP309	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark brown gravelly fine to medium SAND. Gravel comprises fine to medium sub-angular flint, brick and road planings.
					0.25			Orangish brown with light grey slightly gravelly sandy CLAY. Gravel comprises fine to medium sub-angular to sub-rounded flint and occasional sandstone. Sand is fine. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

1 2 3 4 5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

AGS

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 28/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP310	TP			1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark brown slightly clayey GRAVEL. Gravel comprises fine to coarse flint and occasional fine to medium Type 1, brick and road planings.
					0.25			Light brown and grey sandy CLAY. Sand is fine. (WEALD CLAY FORMATION).
					1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP311	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	D		0.10			MADE GROUND: Dark brown slightly clayey gravelly fine to medium SAND. Gravel comprises fine to medium sub-angular to sub-rounded flint, brick and Type 1.
		0.50	D					Orangish brown with light grey slightly gravelly sandy CLAY. Gravel comprises fine to medium sub-angular to sub-rounded flint and occasional sandstone. Sand is fine. (WEALD CLAY FORMATION).
		0.80	D					
		1.00	D		1.00			End of Borehole at 1.000m

1 2 3 4 5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

Trial Pit Log

Project Name: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Client: Elivia Homes Southern	Date: 08/10/2024
Location: Chanctonbury Nurseries, Rectory Lane, Ashington, Pulborough	Contractor:	
Project No. : GWPR6247	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
HP312	TP		LB	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	D					Light brown slightly clayey gravelly fine SAND. Gravel comprises fine to medium sub-angular to sub-rounded flint. (WEALD CLAY FORMATION).
					0.30			
		0.50	D					Orangish brown with light grey slightly gravelly sandy CLAY. Gravel comprises fine to medium sub-angular to sub-rounded flint and occasional sandstone. Sand is fine. (WEALD CLAY FORMATION).
		0.80	D					
		1.00	D		1.00			End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

No groundwater encountered.

APPENDIX F:
Site Works Photos

2 The Long Barn, Norton Farm, Selborne Road, Alton, Hampshire GU34 3NB
0333 600 1221 enquiries@groundandwater.co.uk **groundandwater.co.uk**

Registered Office: Kineton House, 31 Horse Fair, Banbury, Oxfordshire OX16 0AE Registered in England No. 07032001

Photograph 1. TP405 within southwestern corner



Photograph 2. TP406 and TP405 within southwestern corner



Photograph 3. TP407 identifying northern external wall of reservoir and concrete base.



Photograph 4. TP401 within bund.



Chactonbury Nursery, Rectory Lane, Ashington RH20 3AS	
	January 2025
January Site Works Photos	**GWPR6247**

Photograph 5. TP402 within bund.



Chactonbury Nursery, Rectory Lane, Ashington RH20 3AS	
	January 2025
January Site Works Photos	**GWPR6247**

APPENDIX G: Chemical Laboratory Testing

2 The Long Barn, Norton Farm, Selborne Road, Alton, Hampshire GU34 3NB
0333 600 1221 enquiries@groundandwater.co.uk **groundandwater.co.uk**

Registered Office: Kineton House, 31 Horse Fair, Banbury, Oxfordshire OX16 0AE Registered in England No. 07032001

Ground and Water Ltd☐
2 The Long Barn
Norton Farm
Selbourne Road
Alton
Hampshire
GU34 3NB

e: libby.bennett@groundandwater.co.uk

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404
f: 01923 237404
e: reception@i2analytical.com

Preliminary Report Number : 24-047052

Project / Site name:	Ashington	**Samples received on:**	11/10/2024
Your job number:	GWPR6247	**Samples instructed on/ Analysis started on:**	11/10/2024
Your order number:	GWPR6247	**Analysis completed by:**	21/10/2024
Report Issue Number:	0	**Report issued on:**	21/10/2024
Samples Analysed:	11 soil samples		

Signed:

Adam Fenwick
Key Account Executive
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.
Preliminary reports provided at the request of the client should be considered as incomplete and have not been through the complete quality control procedure.

Results contained in preliminary reports may be subject to change and therefore should not be used as a basis for decision making, except at the risk of the client.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344984	344985	344986	344987	344988
Sample Reference				TP301	TP302	TP303	TP306	TP307
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.20	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	30.5	25.8	< 0.1	< 0.1	61.5
Moisture Content	%	0.01	NONE	6.7	5.7	7.9	15	8.9
Total mass of sample received	kg	0.1	NONE	0.9	0.9	0.9	0.9	0.9
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	PKU	-	PKU	-	PKU
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	-
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	-
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	-
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	-
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.8	-	7.3	-	8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	370	-	520	-	39
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	184	-	258	-	19.3
Organic Matter (automated)	%	0.1	MCERTS	2.5	-	5.2	-	1.5
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	1.4	-	3	-	0.9
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05	0.23	0.08
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.09	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.17	< 0.05	< 0.05	1	0.4
Pyrene	mg/kg	0.05	MCERTS	0.16	< 0.05	< 0.05	0.89	0.44
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.07	< 0.05	< 0.05	0.47	0.24
Chrysene	mg/kg	0.05	MCERTS	0.07	0.08	< 0.05	0.44	0.32
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.13	0.13	< 0.05	0.68	0.78
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.09	< 0.05	0.18	0.17
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.53	0.6
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.07	0.18	< 0.05	0.28	0.41
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.2	< 0.05	0.05	0.07
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.08	0.17	< 0.05	0.33	0.56
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	0.83	0.85	< 0.80	5.18	4.08
Heavy Metals / Metalloids								

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344984	344985	344986	344987	344988
Sample Reference				TP301	TP302	TP303	TP306	TP307
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.20	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	-	11	-	9.5
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	-	1.5	-	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	-	0.3	-	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	< 1.8	-	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	-	20	-	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	15	-	16	-	8.9
Lead (aqua regia extractable)	mg/kg	1	MCERTS	44	-	130	-	25
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	8	-	6.6	-	8
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	37	-	30	-	28
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	59	-	77	-	76
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	-	-	< 2.0	-	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	-	< 8.0	-	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	-	< 8.0	-	-
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	-	-	< 10	-	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	< 10	-	-
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	< 10	-	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	-	< 0.010	-	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	-	-	< 0.020	-	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	-	-	< 1.0	-	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	-	-	< 2.0	-	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	-	< 10	-	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	-	< 10	-	-
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	-	-	< 10	-	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	< 10	-	-
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	< 10	-	-
TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	-	-	< 10	-	-
VOCs								
Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	< 5.0	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-	-

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344984	344985	344986	344987	344988
Sample Reference				TP301	TP302	TP303	TP306	TP307
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.20	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	-	-	< 5.0	-	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	< 5.0	-	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	-
p & m-Xylene	µg/kg	8	MCERTS	-	-	< 8.0	-	-
Styrene	µg/kg	5	MCERTS	-	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	-	-	< 5.0	-	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344984	344985	344986	344987	344988
Sample Reference				TP301	TP302	TP303	TP306	TP307
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.20	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-

Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	< 10	< 10	-	-
Alachlor	µg/kg	10	NONE	-	< 10	< 10	-	-
Bifenthrin	µg/kg	10	NONE	-	< 10	< 10	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	< 10	< 10	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	< 10	< 10	-	-
Omethoate	µg/kg	10	NONE	-	< 10	< 10	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	< 10	< 10	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	< 10	< 10	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	< 10	< 10	-	-
Dimethylvinphos	µg/kg	10	NONE	-	< 10	< 10	-	-
Demeton-O	µg/kg	10	NONE	-	< 10	< 10	-	-
Demeton-S	µg/kg	10	NONE	-	< 10	< 10	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	< 10	< 10	-	-
Endrin Ketone	µg/kg	10	NONE	-	< 10	< 10	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	< 10	< 10	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	< 10	< 10	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	< 10	< 10	-	-
Cis-Permethrin	µg/kg	10	NONE	-	< 10	< 10	-	-

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344984	344985	344986	344987	344988
Sample Reference				TP301	TP302	TP303	TP306	TP307
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.20	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Endosulfan sulfate	µg/kg	10	NONE	-	< 10	< 10	-	-
Etrimfos	µg/kg	10	NONE	-	< 10	< 10	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	< 10	< 10	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	< 10	< 10	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	< 10	< 10	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	< 10	< 10	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	< 10	< 10	-	-
Propetamphos	µg/kg	10	NONE	-	< 10	< 10	-	-
Tecnazene	µg/kg	10	NONE	-	< 10	< 10	-	-
Triadimefon	µg/kg	10	NONE	-	< 10	< 10	-	-
Trans-Permethrin	µg/kg	10	NONE	-	< 10	< 10	-	-
Aldrin	µg/kg	10	NONE	-	< 10	< 10	-	-
Azinphos-methyl	µg/kg	10	NONE	-	< 10	< 10	-	-
Beta-BHC	µg/kg	10	NONE	-	< 10	< 10	-	-
Cis-Chlordane	µg/kg	10	NONE	-	< 10	< 10	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	< 10	< 10	-	-
Chlorpyrifos	µg/kg	10	NONE	-	< 10	< 10	-	-
Chlorothalonil	µg/kg	10	NONE	-	< 10	< 10	-	-
Carbophenothion	µg/kg	10	NONE	-	< 10	< 10	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	< 10	< 10	-	-
Delta-BHC	µg/kg	10	NONE	-	< 10	< 10	-	-
Dieldrin	µg/kg	10	NONE	-	< 10	< 10	-	-
Deltamethrin	µg/kg	10	NONE	-	< 10	< 10	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	< 10	< 10	-	-
Endrin	µg/kg	10	NONE	-	< 10	< 10	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	< 10	< 10	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	< 10	< 10	-	-
Fenthion	µg/kg	10	NONE	-	< 10	< 10	-	-
Isodrin	µg/kg	10	NONE	-	< 10	< 10	-	-
Methacrifos	µg/kg	10	NONE	-	< 10	< 10	-	-
O,p'-DDD	µg/kg	10	NONE	-	< 10	< 10	-	-
O,p'-DDE	µg/kg	10	NONE	-	< 10	< 10	-	-
O,p'-DDT	µg/kg	10	NONE	-	< 10	< 10	-	-
Parathion	µg/kg	10	NONE	-	< 10	< 10	-	-
Parathion-methyl	µg/kg	10	NONE	-	< 10	< 10	-	-
Pendimethalin	µg/kg	10	NONE	-	< 10	< 10	-	-
Phorate	µg/kg	10	NONE	-	< 10	< 10	-	-
Phosalone	µg/kg	10	NONE	-	< 10	< 10	-	-
P,p'-DDD	µg/kg	10	NONE	-	< 10	< 10	-	-
P,p'-DDE	µg/kg	10	NONE	-	< 10	< 10	-	-
P,p'-DDT	µg/kg	10	NONE	-	< 10	17	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	< 10	< 10	-	-
Propyzamide	µg/kg	10	NONE	-	< 10	< 10	-	-
Triazophos	µg/kg	10	NONE	-	< 10	< 10	-	-
Trans-Chlordane	µg/kg	10	NONE	-	< 10	< 10	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	< 10	< 10	-	-
Dichlorvos	µg/kg	10	NONE	-	< 10	< 10	-	-
Dimethoate	µg/kg	10	NONE	-	< 10	< 10	-	-
Diazinon	µg/kg	10	NONE	-	< 10	< 10	-	-
Ethion	µg/kg	10	NONE	-	< 10	< 10	-	-
Fenitrothion	µg/kg	10	NONE	-	< 10	< 10	-	-
Malathion	µg/kg	10	NONE	-	< 10	< 10	-	-

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344984	344985	344986	344987	344988
Sample Reference				TP301	TP302	TP303	TP306	TP307
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.20	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pirimiphos-methyl	µg/kg	10	NONE	-	< 10	< 10	-	-
Trifluralin	µg/kg	10	NONE	-	< 10	< 10	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	< 10	< 10	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344989	344990	344991	344992	344993
Sample Reference				TP308	TP309	HP301	HP304	HP311
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.10	0.10	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	27.3	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	12	19	19	10
Total mass of sample received	kg	0.1	NONE	0.9	0.9	0.9	0.9	0.9
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	Not-detected	To follow
Asbestos Analyst ID	N/A	N/A	N/A	PKU	-	-	PKU	PKU
Actinolite detected	Type	N/A	ISO 17025	-	-	-	-	To follow
Amosite detected	Type	N/A	ISO 17025	-	-	-	-	To follow
Anthophyllite detected	Type	N/A	ISO 17025	-	-	-	-	To follow
Chrysotile detected	Type	N/A	ISO 17025	-	-	-	-	To follow
Crocidolite detected	Type	N/A	ISO 17025	-	-	-	-	To follow
Tremolite detected	Type	N/A	ISO 17025	-	-	-	-	To follow
Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-	-	-	-	To follow
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-	-	-	-	To follow
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	8.2	-	-	7.6	7.7
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	26	-	-	23	57
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	12.7	-	-	11.6	28.5
Organic Matter (automated)	%	0.1	MCERTS	< 0.1	-	-	3.6	5.3
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	< 0.1	-	-	2.1	3.1
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.07
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.05	0.32
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.12
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	0.27	0.95
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.07	0.28	1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.14	0.54
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.22	0.82
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	0.4	1.6
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	0.12	0.42
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.3	1.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.2	1.2
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.3
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.26	1.5
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	2.23	10.3
Heavy Metals / Metalloids								

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344989	344990	344991	344992	344993
Sample Reference				TP308	TP309	HP301	HP304	HP311
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.10	0.10	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.5	-	-	11	11
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	-	-	0.9	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	-	0.3	0.3
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	-	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	13	-	-	19	22
Copper (aqua regia extractable)	mg/kg	1	MCERTS	6.4	-	-	10	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	11	-	-	42	72
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	5.7	-	-	6.8	9.6
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	21	-	-	36	36
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	27	-	-	52	63
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	-	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	-	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	-	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	< 2.0	-	-	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	-	-	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	-	-	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	< 10	-	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	< 10	-	-	< 10	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	-	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	-	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	< 0.020	-	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	< 2.0	-	-	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	-	-	< 10	-
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	< 10	-	-	< 10	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	-	< 10	-
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	< 10	-	-	< 10	-
TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	< 10	-	-	< 10	-
VOCs								
Chloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	-	-	< 5.0	-
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0	-	-	-	-
Chloroform	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344989	344990	344991	344992	344993
Sample Reference				TP308	TP309	HP301	HP304	HP311
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.10	0.10	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	-	-	< 5.0	-
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	< 10	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	< 10	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	-	< 5.0	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	< 6.0	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	-	-	< 8.0	-
Styrene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromoform	µg/kg	5	MCERTS	< 5.0	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	-	-	< 5.0	-
Isopropylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344989	344990	344991	344992	344993
Sample Reference				TP308	TP309	HP301	HP304	HP311
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.10	0.10	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	< 0.05	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	< 0.3	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.30	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	< 0.3	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3	-	-	-	-

Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344989	344990	344991	344992	344993
Sample Reference				TP308	TP309	HP301	HP304	HP311
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.10	0.10	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344989	344990	344991	344992	344993
Sample Reference				TP308	TP309	HP301	HP304	HP311
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.10	0.10	0.10	0.10
Date Sampled				08/10/2024	08/10/2024	08/10/2024	08/10/2024	08/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344994
Sample Reference				HP312
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				08/10/2024
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	8.5
Total mass of sample received	kg	0.1	NONE	0.9
Asbestos				
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-
Asbestos Analyst ID	N/A	N/A	N/A	-
Actinolite detected	Type	N/A	ISO 17025	-
Amosite detected	Type	N/A	ISO 17025	-
Anthophyllite detected	Type	N/A	ISO 17025	-
Chrysotile detected	Type	N/A	ISO 17025	-
Crocidolite detected	Type	N/A	ISO 17025	-
Tremolite detected	Type	N/A	ISO 17025	-
Asbestos % by hand picking/weighing	%	0.001	ISO 17025	-
Asbestos Containing Material Types Detected (ACM)	Type	N/A	ISO 17025	-
General Inorganics				
pH (L099)	pH Units	N/A	MCERTS	-
Total Cyanide	mg/kg	1	MCERTS	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	-
Organic Matter (automated)	%	0.1	MCERTS	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-
Total Phenols				
Total Phenols (monohydric)	mg/kg	1	MCERTS	-
Speciated PAHs				
Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05
Total PAH				
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80
Heavy Metals / Metalloids				

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Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344994
Sample Reference				HP312
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				08/10/2024
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-
Petroleum Hydrocarbons				
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-
TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	-
VOCs				
Chloromethane	µg/kg	5	MCERTS	-
Chloroethane	µg/kg	5	MCERTS	-
Bromomethane	µg/kg	5	MCERTS	-
Vinyl Chloride	µg/kg	5	NONE	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-
2,2-Dichloropropane	µg/kg	5	NONE	-
Chloroform	µg/kg	5	MCERTS	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344994
Sample Reference				HP312
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				08/10/2024
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
1,2-Dichloroethane	µg/kg	7	MCERTS	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-
Benzene	µg/kg	5	MCERTS	-
Carbontetrachloride	µg/kg	5	MCERTS	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-
Trichloroethene	µg/kg	10	MCERTS	-
Dibromomethane	µg/kg	5	MCERTS	-
Bromodichloromethane	µg/kg	5	MCERTS	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-
Toluene	µg/kg	5	MCERTS	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-
Dibromochloromethane	µg/kg	5	MCERTS	-
Tetrachloroethene	µg/kg	5	MCERTS	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-
Chlorobenzene	µg/kg	5	MCERTS	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-
Ethylbenzene	µg/kg	5	MCERTS	-
p & m-Xylene	µg/kg	8	MCERTS	-
Styrene	µg/kg	5	MCERTS	-
Bromoform	µg/kg	5	MCERTS	-
o-Xylene	µg/kg	5	MCERTS	-
Isopropylbenzene	µg/kg	5	MCERTS	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-
Bromobenzene	µg/kg	5	MCERTS	-
n-Propylbenzene	µg/kg	5	MCERTS	-
2-Chlorotoluene	µg/kg	5	MCERTS	-
4-Chlorotoluene	µg/kg	5	MCERTS	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-
tert-Butylbenzene	µg/kg	5	MCERTS	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-
sec-Butylbenzene	µg/kg	5	MCERTS	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-
Butylbenzene	µg/kg	5	MCERTS	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-

SVOCs

Aniline	mg/kg	0.1	NONE	-
Phenol	mg/kg	0.2	ISO 17025	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-

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Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344994
Sample Reference				HP312
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				08/10/2024
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-
2-Methylphenol	mg/kg	0.3	MCERTS	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-
Nitrobenzene	mg/kg	0.3	MCERTS	-
4-Methylphenol	mg/kg	0.2	NONE	-
Isophorone	mg/kg	0.2	MCERTS	-
2-Nitrophenol	mg/kg	0.3	NONE	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-
4-Chloroaniline	mg/kg	0.1	NONE	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-
Dibenzofuran	mg/kg	0.2	MCERTS	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-
4-Nitroaniline	mg/kg	0.2	NONE	-
Azobenzene	mg/kg	0.3	NONE	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-
Carbazole	mg/kg	0.3	MCERTS	-
Dibutyl phthalate	mg/kg	0.2	NONE	-
Anthraquinone	mg/kg	0.3	NONE	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-

Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	< 10
Alachlor	µg/kg	10	NONE	< 10
Bifenthrin	µg/kg	10	NONE	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	< 10
Omethoate	µg/kg	10	NONE	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	< 10
Dimethylvinphos	µg/kg	10	NONE	< 10
Demeton-O	µg/kg	10	NONE	< 10
Demeton-S	µg/kg	10	NONE	< 10
Endrin Aldehyde	µg/kg	10	NONE	< 10
Endrin Ketone	µg/kg	10	NONE	< 10
Hexachlorobutadiene	µg/kg	10	NONE	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	< 10
Cis-Permethrin	µg/kg	10	NONE	< 10

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Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344994
Sample Reference				HP312
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				08/10/2024
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Endosulfan sulfate	µg/kg	10	NONE	< 10
Etrimfos	µg/kg	10	NONE	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	< 10
Hexachlorobenzene	µg/kg	10	NONE	< 10
Mevinphos, E+Z	µg/kg	10	NONE	< 10
Pentachlorobenzene	µg/kg	10	NONE	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	< 10
Propetamphos	µg/kg	10	NONE	< 10
Tecnazene	µg/kg	10	NONE	< 10
Triadimefon	µg/kg	10	NONE	< 10
Trans-Permethrin	µg/kg	10	NONE	< 10
Aldrin	µg/kg	10	NONE	< 10
Azinphos-methyl	µg/kg	10	NONE	< 10
Beta-BHC	µg/kg	10	NONE	< 10
Cis-Chlordane	µg/kg	10	NONE	< 10
Chlorfenvinphos	µg/kg	10	NONE	< 10
Chlorpyrifos	µg/kg	10	NONE	< 10
Chlorothalonil	µg/kg	10	NONE	< 10
Carbophenothion	µg/kg	10	NONE	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10
Delta-BHC	µg/kg	10	NONE	< 10
Dieldrin	µg/kg	10	NONE	< 10
Deltamethrin	µg/kg	10	NONE	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	< 10
Endrin	µg/kg	10	NONE	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10
Fenthion	µg/kg	10	NONE	< 10
Isodrin	µg/kg	10	NONE	< 10
Methacrifos	µg/kg	10	NONE	< 10
O,p'-DDD	µg/kg	10	NONE	< 10
O,p'-DDE	µg/kg	10	NONE	< 10
O,p'-DDT	µg/kg	10	NONE	< 10
Parathion	µg/kg	10	NONE	< 10
Parathion-methyl	µg/kg	10	NONE	< 10
Pendimethalin	µg/kg	10	NONE	< 10
Phorate	µg/kg	10	NONE	< 10
Phosalone	µg/kg	10	NONE	< 10
P,p'-DDD	µg/kg	10	NONE	< 10
P,p'-DDE	µg/kg	10	NONE	< 10
P,p'-DDT	µg/kg	10	NONE	< 10
P,p'-Methoxychlor	µg/kg	10	NONE	< 10
Propyzamide	µg/kg	10	NONE	< 10
Triazophos	µg/kg	10	NONE	< 10
Trans-Chlordane	µg/kg	10	NONE	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	< 10
Dichlorvos	µg/kg	10	NONE	< 10
Dimethoate	µg/kg	10	NONE	< 10
Diazinon	µg/kg	10	NONE	< 10
Ethion	µg/kg	10	NONE	< 10
Fenitrothion	µg/kg	10	NONE	< 10
Malathion	µg/kg	10	NONE	< 10

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Analytical Report Number: 24-047052
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				344994
Sample Reference				HP312
Sample Number				None Supplied
Depth (m)				0.20
Date Sampled				08/10/2024
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Pirimiphos-methyl	µg/kg	10	NONE	< 10
Trifluralin	µg/kg	10	NONE	< 10
Azinphos-ethyl	µg/kg	10	NONE	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 24-047052
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* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
344984	TP301	None Supplied	0.2	Brown clay and sand with gravel and stones
344985	TP302	None Supplied	0.2	Brown clay and sand with stones and vegetation
344986	TP303	None Supplied	0.2	Brown clay and sand with gravel and vegetation
344987	TP306	None Supplied	0.1	Brown clay and sand with gravel
344988	TP307	None Supplied	0.1	Brown clay and sand with stones and vegetation
344989	TP308	None Supplied	0.1	Brown sandy clay with gravel
344990	TP309	None Supplied	0.1	Brown clay and sand with stones
344991	HP301	None Supplied	0.1	Brown clay and loam with gravel and vegetation
344992	HP304	None Supplied	0.1	Brown clay and loam with gravel and vegetation
344993	HP311	None Supplied	0.1	Brown clay and sand with gravel and vegetation
344994	HP312	None Supplied	0.2	Brown clay and sand with gravel and vegetation

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Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references	HSE Report No: 83/1996, HSG 248 (2021), HSG 264 (2012) & SCA Blue Book (draft)	A006B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number : 24-047052
Project / Site name: Ashington

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Analytical Report Number : 24-051027

Project / Site name:	Ashington	**Samples received on:**	31/10/2024
Your job number:	GWPR6247	**Samples instructed on/ Analysis started on:**	31/10/2024
Your order number:	GWPR6247	**Analysis completed by:**	06/11/2024
Report Issue Number:	1	**Report issued on:**	06/11/2024
Samples Analysed:	5 soil samples		

Signed:

Charlotte Andrew
Key Account Manager
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 24-051027
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				365138	365139	365140	365141	365142
Sample Reference				HP302	HP303	HP305	HP309	HP310
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.10	0.10	0.10	0.10
Date Sampled				28/10/2024	28/10/2024	28/10/2024	28/10/2024	28/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	18	21	17	22	23
Total mass of sample received	kg	0.1	NONE	0.9	0.3	0.2	0.8	0.3
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	-	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	MBI	-	-	MBI	-
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	8	-	-	7	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	450	-	-	29	-
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	226	-	-	14.4	-
Organic Matter (automated)	%	0.1	MCERTS	5.1	-	-	3.9	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3	-	-	2.2	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.15	0.19	0.15	0.12	0.51
Acenaphthylene	mg/kg	0.05	MCERTS	0.2	0.22	< 0.05	< 0.05	0.09
Acenaphthene	mg/kg	0.05	MCERTS	0.15	0.2	< 0.05	< 0.05	0.29
Fluorene	mg/kg	0.05	MCERTS	0.12	0.22	< 0.05	< 0.05	0.27
Phenanthrene	mg/kg	0.05	MCERTS	2	3.1	0.06	0.23	4.5
Anthracene	mg/kg	0.05	MCERTS	0.54	0.64	< 0.05	< 0.05	0.48
Fluoranthene	mg/kg	0.05	MCERTS	5.8	7.3	0.11	0.6	10
Pyrene	mg/kg	0.05	MCERTS	5.5	6.8	0.11	0.55	9.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	3	3.4	< 0.05	0.22	3.2
Chrysene	mg/kg	0.05	MCERTS	3.4	3.8	0.05	0.31	4.6
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	5.4	5.6	0.07	0.41	6.5
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	2	2.7	< 0.05	0.18	2.8
Benzo(a)pyrene	mg/kg	0.05	MCERTS	4.8	5.3	< 0.05	0.34	5.5
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.9	3.3	< 0.05	0.21	3
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.5	0.56	< 0.05	< 0.05	0.61
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	3.5	3.9	0.06	0.23	3.1
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	39.9	47.3	< 0.80	3.4	54.5

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 24-051027
Project / Site name: Ashington
Your Order No: GWPR6247

Lab Sample Number				365138	365139	365140	365141	365142
Sample Reference				HP302	HP303	HP305	HP309	HP310
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.10	0.10	0.10	0.10	0.10
Date Sampled				28/10/2024	28/10/2024	28/10/2024	28/10/2024	28/10/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	13	-	-	13	-
Boron (water soluble)	mg/kg	0.2	MCERTS	1.2	-	-	1.3	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	-	0.4	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	-	-	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	32	-	-	22	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	23	-	-	19	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	110	-	-	450	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	-	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	8.8	-	-	7.8	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	-	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	31	-	-	28	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110	-	-	200	-
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	-	-	-	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	-	-	-	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	-	-	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	-	-	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	-	-	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	-	< 10	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	-	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	-	-	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	-	-	-	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	-	-	-	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	-	-	< 10	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	-	-	< 10	-
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	-	-	-	< 10	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	-	< 10	-
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	-	< 10	-
TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	-	-	-	< 10	-
VOCs								
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-	-	< 5.0	-
Benzene	µg/kg	5	MCERTS	-	-	-	< 5.0	-
Toluene	µg/kg	5	MCERTS	-	-	-	< 5.0	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	-	-	-	< 8.0	-
o-Xylene	µg/kg	5	MCERTS	-	-	-	< 5.0	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 24-051027
Project / Site name: Ashington

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
365138	HP302	None Supplied	0.1	Brown clay and loam with gravel and vegetation
365139	HP303	None Supplied	0.1	Brown clay and loam with gravel and vegetation
365140	HP305	None Supplied	0.1	Brown clay and loam with gravel and vegetation
365141	HP309	None Supplied	0.1	Brown clay and loam with gravel and vegetation
365142	HP310	None Supplied	0.1	Brown clay and loam with gravel and vegetation

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Analytical Report Number : 24-051027
Project / Site name: Ashington

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number : 24-051027
Project / Site name: Ashington

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report relate only to the sample(s) submitted for testing.

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Analytical Report Number : 25-000096

Project / Site name:	Chactonbury Nurseries	**Samples received on:**	03/01/2025
Your job number:	GWPR6247	**Samples instructed on/ Analysis started on:**	03/01/2025
Your order number:	GWPR6247	**Analysis completed by:**	09/01/2025
Report Issue Number:	1	**Report issued on:**	09/01/2025
Samples Analysed:	20 soil samples		



Signed:

Anna Goc
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417910	417911	417912	417913	417914
Sample Reference				WS402	HP401	HP402	HP403	HP408
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.20	0.40	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	61.2	< 0.1
Moisture Content	%	0.01	NONE	33	31	16	13	25
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	MMI	MMI	MMI	MMI	-
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7	7.4	8.1	8.4	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	420	3000	47	170	-
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	210	1490	23.3	87.3	-
Organic Matter (automated)	%	0.1	MCERTS	6.7	6.7	1.1	2.7	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.9	3.9	0.7	1.5	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	0.16	0.13	< 0.05	0.2	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.06	-
Fluoranthene	mg/kg	0.05	MCERTS	0.35	0.36	< 0.05	0.72	-
Pyrene	mg/kg	0.05	MCERTS	0.33	0.34	< 0.05	0.87	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.18	0.19	< 0.05	0.41	-
Chrysene	mg/kg	0.05	MCERTS	0.21	0.24	< 0.05	0.47	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.32	0.34	0.06	0.88	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.13	0.15	< 0.05	0.32	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.29	0.3	< 0.05	0.76	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.15	0.16	0.11	0.48	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.1	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.21	0.23	0.12	0.67	-
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	2.34	2.44	< 0.80	5.95	-

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417910	417911	417912	417913	417914
Sample Reference				WS402	HP401	HP402	HP403	HP408
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.20	0.40	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	15	15	13	-
Boron (water soluble)	mg/kg	0.2	MCERTS	2	1.6	0.9	0.8	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.6	1	< 0.2	0.5	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22	31	24	27	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	25	59	12	31	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	120	260	63	1000	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	10	15	11	9.6	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	35	37	39	32	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	97	230	47	110	-
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417910	417911	417912	417913	417914
Sample Reference				WS402	HP401	HP402	HP403	HP408
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.20	0.40	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
VOCs								
Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
Styrene	µg/kg	5	MCERTS	-	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417910	417911	417912	417913	417914
Sample Reference				WS402	HP401	HP402	HP403	HP408
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.20	0.40	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417910	417911	417912	417913	417914
Sample Reference				WS402	HP401	HP402	HP403	HP408
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.20	0.40	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pesticides								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	< 10
Alachlor	µg/kg	10	NONE	-	-	-	-	< 10
Bifenthrin	µg/kg	10	NONE	-	-	-	-	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	< 10
Omethoate	µg/kg	10	NONE	-	-	-	-	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	< 10
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	< 10
Demeton-O	µg/kg	10	NONE	-	-	-	-	< 10
Demeton-S	µg/kg	10	NONE	-	-	-	-	< 10
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	< 10
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	< 10
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	< 10
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	< 10
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	< 10
Etrimfos	µg/kg	10	NONE	-	-	-	-	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	< 10
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	< 10
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	< 10
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	< 10
Propetamphos	µg/kg	10	NONE	-	-	-	-	< 10
Tecnazene	µg/kg	10	NONE	-	-	-	-	< 10
Triadimefon	µg/kg	10	NONE	-	-	-	-	< 10
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	< 10
Aldrin	µg/kg	10	NONE	-	-	-	-	< 10
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	< 10
Beta-BHC	µg/kg	10	NONE	-	-	-	-	< 10
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	< 10
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	< 10
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	< 10
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	< 10
Carbophenothion	µg/kg	10	NONE	-	-	-	-	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	< 10
Delta-BHC	µg/kg	10	NONE	-	-	-	-	< 10
Dieldrin	µg/kg	10	NONE	-	-	-	-	< 10
Deltamethrin	µg/kg	10	NONE	-	-	-	-	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	< 10
Endrin	µg/kg	10	NONE	-	-	-	-	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	< 10
Fenthion	µg/kg	10	NONE	-	-	-	-	< 10
Isodrin	µg/kg	10	NONE	-	-	-	-	< 10
Methacrifos	µg/kg	10	NONE	-	-	-	-	< 10
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	< 10
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	< 10

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417910	417911	417912	417913	417914
Sample Reference				WS402	HP401	HP402	HP403	HP408
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.20	0.40	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	< 10
Parathion	µg/kg	10	NONE	-	-	-	-	< 10
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	< 10
Pendimethalin	µg/kg	10	NONE	-	-	-	-	< 10
Phorate	µg/kg	10	NONE	-	-	-	-	< 10
Phosalone	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	< 10
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	< 10
Propyzamide	µg/kg	10	NONE	-	-	-	-	< 10
Triazophos	µg/kg	10	NONE	-	-	-	-	< 10
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	< 10
Dichlorvos	µg/kg	10	NONE	-	-	-	-	< 10
Dimethoate	µg/kg	10	NONE	-	-	-	-	< 10
Diazinon	µg/kg	10	NONE	-	-	-	-	< 10
Ethion	µg/kg	10	NONE	-	-	-	-	< 10
Fenitrothion	µg/kg	10	NONE	-	-	-	-	< 10
Malathion	µg/kg	10	NONE	-	-	-	-	< 10
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	< 10
Trifluralin	µg/kg	10	NONE	-	-	-	-	< 10
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417915	417916	417917	417918	417919
Sample Reference				HP408	HP409	HP410	WS405	HP404
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.10	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	22	14	16	16
Total mass of sample received	kg	0.1	NONE	0.6	0.6	0.6	0.6	0.6
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	-	-	-
Asbestos Analyst ID	N/A	N/A	N/A	MMI	KMC	-	-	-
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	6.9	6.8	-	-	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	35	70	-	-	-
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	17.4	34.9	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	1.1	3.1	-	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.6	1.8	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.07	0.14	-	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.18	0.2	-	0.07	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.13	0.16	-	0.07	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.1	0.09	-	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.12	0.08	-	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.16	0.15	-	0.08	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	0.06	-	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.07	0.13	-	0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.17	0.13	-	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.09	< 0.05	-	< 0.05	0.06
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.1	1.14	-	< 0.80	< 0.80

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417915	417916	417917	417918	417919
Sample Reference				HP408	HP409	HP410	WS405	HP404
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.10	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	21	17	-	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	0.8	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22	27	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	18	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	95	97	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	7.1	7.7	-	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	-	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	41	39	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	48	74	-	-	-
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	-	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	-	< 2.0	-	< 2.0	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	< 8.0	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	< 8.0	-	< 8.0	< 8.0
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	-	< 10	-	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	< 10	-	-	-
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	< 0.010	-	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	-	< 0.020	-	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	-	< 1.0	-	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	-	< 2.0	-	< 2.0	< 2.0
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	-	< 10	-	< 10	< 10
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	< 10	-	-	-
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	< 10	-	< 10	< 10
TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	-	< 10	-	< 10	< 10

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417915	417916	417917	417918	417919
Sample Reference				HP408	HP409	HP410	WS405	HP404
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.10	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
VOCs								
Chloromethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Chloroethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Bromomethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Vinyl Chloride	µg/kg	5	NONE	-	-	-	< 5.0	< 5.0
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	< 5.0	< 5.0
Chloroform	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	< 7.0	< 7.0
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	< 6.0	< 6.0
Trichloroethene	µg/kg	10	MCERTS	-	-	-	< 10	< 10
Dibromomethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	< 10	< 10
Toluene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	< 6.0	< 6.0
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	-	< 8.0	-	< 8.0	< 8.0
Styrene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Bromoform	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
o-Xylene	µg/kg	5	MCERTS	-	< 5.0	-	< 5.0	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	< 5.0	< 5.0
Bromobenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417915	417916	417917	417918	417919
Sample Reference				HP408	HP409	HP410	WS405	HP404
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.10	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Butylbenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	< 8.0	< 8.0
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	< 5.0	< 5.0
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	< 0.1	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	-	-	< 0.2	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	< 0.1	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	< 0.2	< 0.2
Isophorone	mg/kg	0.2	MCERTS	-	-	-	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	< 0.3	< 0.3
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	< 0.1	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	< 0.1	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	< 0.1	< 0.1
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	< 0.2	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	< 0.2	< 0.2
Azobenzene	mg/kg	0.3	NONE	-	-	-	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	< 0.30	< 0.30
Carbazole	mg/kg	0.3	MCERTS	-	-	-	< 0.3	< 0.3
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	< 0.2	< 0.2
Anthraquinone	mg/kg	0.3	NONE	-	-	-	< 0.3	< 0.3
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	< 0.3	< 0.3

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417915	417916	417917	417918	417919
Sample Reference				HP408	HP409	HP410	WS405	HP404
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.10	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pesticides								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Alachlor	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Bifenthrin	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Omethoate	µg/kg	10	NONE	-	< 10	< 10	< 10	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	< 10	< 10	< 10	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	< 10	< 10	< 10	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Dimethylvinphos	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Demeton-O	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Demeton-S	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Endrin Aldehyde	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Endrin Ketone	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Hexachlorobutadiene	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	< 10	< 10	< 10	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Cis-Permethrin	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Endosulfan sulfate	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Etrimfos	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Hexachlorobenzene	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Mevinphos, E+Z	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Pentachlorobenzene	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Propetamphos	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Tecnazene	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Triadimefon	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Trans-Permethrin	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Aldrin	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Azinphos-methyl	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Beta-BHC	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Cis-Chlordane	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Chlorfenvinphos	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Chlorpyrifos	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Chlorothalonil	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Carbophenothion	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Delta-BHC	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Dieldrin	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Deltamethrin	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Endrin	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Fenthion	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Isodrin	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Methacrifos	µg/kg	10	NONE	-	< 10	< 10	< 10	-
O,p'-DDD	µg/kg	10	NONE	-	< 10	< 10	< 10	-
O,p'-DDE	µg/kg	10	NONE	-	< 10	< 10	< 10	-

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417915	417916	417917	417918	417919
Sample Reference				HP408	HP409	HP410	WS405	HP404
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.10	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
O,p'-DDT	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Parathion	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Parathion-methyl	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Pendimethalin	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Phorate	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Phosalone	µg/kg	10	NONE	-	< 10	< 10	< 10	-
P,p'-DDD	µg/kg	10	NONE	-	< 10	< 10	< 10	-
P,p'-DDE	µg/kg	10	NONE	-	< 10	< 10	< 10	-
P,p'-DDT	µg/kg	10	NONE	-	< 10	< 10	< 10	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Propyzamide	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Triazophos	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Trans-Chlordane	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Dichlorvos	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Dimethoate	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Diazinon	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Ethion	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Fenitrothion	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Malathion	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Pirimiphos-methyl	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Trifluralin	µg/kg	10	NONE	-	< 10	< 10	< 10	-
Azinphos-ethyl	µg/kg	10	NONE	-	< 10	< 10	< 10	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417920	417921	417922	417923	417924
Sample Reference				HP411	HP411	HP412	HP413	HP414
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	15.3	64.1	45.1
Moisture Content	%	0.01	NONE	20	17	21	15	25
Total mass of sample received	kg	0.1	NONE	0.7	0.7	0.6	0.6	0.6
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	-	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-	-	KMC	-
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	-	-	-	8.2	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	< 1.0	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	-	-	170	-
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	-	-	-	83.6	-
Organic Matter (automated)	%	0.1	MCERTS	-	-	-	6.7	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	-	3.9	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	< 1.0	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.11	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.1	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.1	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.09	< 0.05	1.2	0.07	0.11
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.39	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.27	0.09	3.4	0.15	0.39
Pyrene	mg/kg	0.05	MCERTS	0.26	0.09	3.2	0.16	0.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.13	0.06	1.8	0.08	0.23
Chrysene	mg/kg	0.05	MCERTS	0.14	0.06	1.9	0.12	0.26
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.24	0.12	3.5	0.2	0.54
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.09	< 0.05	1.1	0.07	0.18
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.2	0.08	3	0.14	0.42
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.12	0.06	1.6	0.08	0.28
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.36	< 0.05	0.06
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.1	< 0.05	1.8	0.1	0.36
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1.63	< 0.80	23.6	1.18	3.22

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417920	417921	417922	417923	417924
Sample Reference				HP411	HP411	HP412	HP413	HP414
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	17	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	-	1	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	< 1.8	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	17	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	82	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	250	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	45	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	53	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	210	-
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	2.9	5.3	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	31	43	5.3
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	110	110	28
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	64	51	18
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	< 10	< 10	< 10	< 10	< 10
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	-	-	-
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	< 10	< 10	210	210	52
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	1.4	< 1.0	< 1.0
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	9.6	12	< 2.0
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	44	44	< 10
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	46	20	< 10
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	< 10	< 10	13	< 10	< 10
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	-	-	-
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	< 10	< 10	110	76	< 10
TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	< 10	< 10	320	290	52

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417920	417921	417922	417923	417924
Sample Reference				HP411	HP411	HP412	HP413	HP414
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
VOCs								
Chloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromomethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl Chloride	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Trichloroethene	µg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
Dibromomethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	µg/kg	6	MCERTS	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-Dichloropropane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tetrachloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
Styrene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromoform	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Bromobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Propylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417920	417921	417922	417923	417924
Sample Reference				HP411	HP411	HP412	HP413	HP414
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
SVOCs								
Aniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenol	mg/kg	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Isophorone	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Azobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Carbazole	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Dibutyl phthalate	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Anthraquinone	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417920	417921	417922	417923	417924
Sample Reference				HP411	HP411	HP412	HP413	HP414
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pesticides								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417920	417921	417922	417923	417924
Sample Reference				HP411	HP411	HP412	HP413	HP414
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.10	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417925	417926	417927	417928	417929
Sample Reference				HP415	HP415	HP405	HP406	HP407
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.40	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	21.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	20	16	18	18	32
Total mass of sample received	kg	0.1	NONE	0.6	0.7	0.6	0.6	0.6
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	-	-	KMC	KMC	MBI
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	-	-	7.8	8.3	7.4
Total Cyanide	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	-	41	39	42
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	-	-	20.4	19.7	21.2
Organic Matter (automated)	%	0.1	MCERTS	-	-	2.2	2.9	7.6
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-	1.3	1.7	4.4
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	0.06	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.07	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.62	0.2	0.18	< 0.05	0.08
Pyrene	mg/kg	0.05	MCERTS	0.67	0.18	0.14	< 0.05	0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.32	0.1	0.09	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.42	0.11	0.11	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.75	0.16	0.2	< 0.05	0.07
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	0.19	< 0.05	0.08	< 0.05	0.06
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.54	0.12	0.16	< 0.05	0.07
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.32	0.08	0.12	< 0.05	0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.07	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.38	0.07	0.13	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	4.34	1.1	1.21	< 0.80	< 0.80

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Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417925	417926	417927	417928	417929
Sample Reference				HP415	HP415	HP405	HP406	HP407
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.40	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	12	18	17
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-	0.9	1.1	1.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	27	25	24
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	20	21	25
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	180	230	260
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	9	8.6	9.4
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	40	39	36
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	110	98	140
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	-	< 0.010
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	-	< 0.010
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	-	< 0.010
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	2.3	< 1.0	-	-	< 1.0
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	43	< 2.0	-	-	< 2.0
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	210	< 8.0	-	-	< 8.0
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	140	< 8.0	-	-	< 8.0
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	26	< 10	-	-	< 10
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	-	-	< 10
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	420	< 10	-	-	< 10
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	-	< 0.010
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	-	< 0.010
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	-	< 0.020
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	-	-	< 1.0
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	22	< 2.0	-	-	< 2.0
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	100	< 10	-	-	< 10
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	45	< 10	-	-	< 10
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	< 10	< 10	-	-	< 10
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	-	-	< 10
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	170	< 10	-	-	< 10
TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	590	< 10	-	-	< 10

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Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417925	417926	417927	417928	417929
Sample Reference				HP415	HP415	HP405	HP406	HP407
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.40	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
VOCs								
Chloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Chloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Bromomethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	< 5.0	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	< 5.0
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0	< 5.0	-	-	-
Chloroform	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0	< 7.0	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	< 5.0
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0	< 6.0	-	-	-
Trichloroethene	µg/kg	10	MCERTS	< 10	< 10	-	-	-
Dibromomethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	< 10	< 10	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	< 5.0
1,1,2-Trichloroethane	µg/kg	6	MCERTS	< 6.0	< 6.0	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	< 5.0
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	-	-	< 8.0
Styrene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Bromoform	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	< 5.0
Isopropylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0	< 5.0	-	-	-
Bromobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417925	417926	417927	417928	417929
Sample Reference				HP415	HP415	HP405	HP406	HP407
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.40	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Butylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0	< 8.0	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	-	-
SVOCs								
Aniline	mg/kg	0.1	NONE	< 0.1	< 0.1	-	-	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	< 0.2	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2	< 0.2	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2	-	-	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	< 0.3	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	< 0.1	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	< 0.2	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	< 0.1	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	< 0.1	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1	< 0.1	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2	< 0.2	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2	< 0.2	-	-	-
Azobenzene	mg/kg	0.3	NONE	< 0.3	< 0.3	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.30	< 0.30	-	-	-
Carbazole	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	< 0.2	< 0.2	-	-	-
Anthraquinone	mg/kg	0.3	NONE	< 0.3	< 0.3	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3	< 0.3	-	-	-

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417925	417926	417927	417928	417929
Sample Reference				HP415	HP415	HP405	HP406	HP407
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.40	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Pesticides								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-000096
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				417925	417926	417927	417928	417929
Sample Reference				HP415	HP415	HP405	HP406	HP407
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.10	0.40	0.10	0.40	0.10
Date Sampled				02/01/2025	02/01/2025	02/01/2025	02/01/2025	02/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 25-000096
Project / Site name: Chactonbury Nurseries

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
417910	WS402	None Supplied	0.1	Brown loam and clay with gravel and vegetation
417911	HP401	None Supplied	0.2	Brown clay and loam with gravel and vegetation
417912	HP402	None Supplied	0.4	Brown clay and loam with gravel and vegetation
417913	HP403	None Supplied	0.1	Brown loam and clay with gravel and vegetation
417914	HP408	None Supplied	0.1	Brown clay and loam with gravel and vegetation
417915	HP408	None Supplied	0.4	Brown clay and sand with gravel and vegetation
417916	HP409	None Supplied	0.1	Brown clay and loam with gravel and vegetation
417917	HP410	None Supplied	0.1	Brown clay and sand with gravel
417918	WS405	None Supplied	0.1	Brown clay and sand with gravel and vegetation
417919	HP404	None Supplied	0.1	Brown clay and loam with gravel and vegetation
417920	HP411	None Supplied	0.1	Brown clay with vegetation
417921	HP411	None Supplied	0.4	Brown clay
417922	HP412	None Supplied	0.1	Brown loam and clay with clinker and vegetation
417923	HP413	None Supplied	0.1	Brown loam and gravel with clinker and vegetation
417924	HP414	None Supplied	0.1	Brown loam and sand with clinker and vegetation
417925	HP415	None Supplied	0.1	Brown loam and clay with clinker and vegetation
417926	HP415	None Supplied	0.4	Brown clay and loam with gravel and vegetation
417927	HP405	None Supplied	0.1	Brown clay and loam with gravel and vegetation
417928	HP406	None Supplied	0.4	Brown clay and loam with gravel and vegetation
417929	HP407	None Supplied	0.1	Brown loam and clay with gravel and vegetation

Analytical Report Number : 25-000096
Project / Site name: Chactonbury Nurseries

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS

Analytical Report Number : 25-000096
Project / Site name: Chactonbury Nurseries

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Analytical Report Number : 25-000693

Project / Site name:	Chactonbury Nurseries	**Samples received on:**	09/01/2025
Your job number:	GWPR6247	**Samples instructed on/ Analysis started on:**	09/01/2025
Your order number:	GWPR6247	**Analysis completed by:**	15/01/2025
Report Issue Number:	1	**Report issued on:**	15/01/2025
Samples Analysed:	12 soil samples		

Signed:

Adam Fenwick
Key Account Executive
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting
air	- once the analysis is complete

Excel copies of reports are only valid when accompanied by this PDF certificate.

Retention period for records and reports is minimum 6 years from the date of issue of the final report.
Some records may be kept for longer according to other legal/best practice requirements.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420496	420497	420498	420499	420500
Sample Reference				TP401	TP402	TP402	TP405	TP406
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.20	0.90	1.90	0.50
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	4.6	< 0.1
Moisture Content	%	0.01	NONE	14	15	18	25	20
Total mass of sample received	kg	0.1	NONE	1.1	1.1	1.1	1.1	1.1
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	EWS	EWS	EWS	EWS	EWS
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	8.2	7.1	7.4	7.9	8
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	94	74	36	150	67
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	47.1	36.9	18.1	76.4	33.3
Organic Matter	%	0.1	MCERTS	-	-	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	0.5	2	2.4	3.8	1.6
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	0.3	1.2	1.4	2.2	0.9
Total Organic Carbon (TOC) – Manual	%	0.1	MCERTS	-	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	0.47	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.1	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.12	0.74	0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.09	0.66	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.06	0.37	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	0.4	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.13	0.55	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	0.16	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.09	0.41	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.07	0.21	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	0.26	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	0.8	4.36	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	20	19	14	12
Boron (water soluble)	mg/kg	0.2	MCERTS	1.9	1.2	1.2	1.9	1.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	0.4	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	19	21	19	21
Copper (aqua regia extractable)	mg/kg	1	MCERTS	21	24	17	27	13

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420496	420497	420498	420499	420500
Sample Reference				TP401	TP402	TP402	TP405	TP406
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.20	0.90	1.90	0.50
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Lead (aqua regia extractable)	mg/kg	1	MCERTS	49	110	220	360	67
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	20	12	8.7	11	7.4
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	30	36	35	33	37
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	120	70	93	130	40
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	< 0.010	-	< 0.010	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	< 0.020	< 0.020	-	< 0.020	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	-	< 1.0	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	-	< 2.0	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	< 10	< 10	-	< 10	-
VOCs								
Chloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-	-	-	-
Chloroform	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-	-	-	-

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420496	420497	420498	420499	420500
Sample Reference				TP401	TP402	TP402	TP405	TP406
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.20	0.90	1.90	0.50
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	< 8.0	-	< 8.0	-
Styrene	µg/kg	5	MCERTS	-	-	-	-	-
Bromoform	µg/kg	5	MCERTS	-	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	-	< 5.0	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420496	420497	420498	420499	420500
Sample Reference				TP401	TP402	TP402	TP405	TP406
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.20	0.90	1.90	0.50
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-	-	-	-

Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Cis-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420496	420497	420498	420499	420500
Sample Reference				TP401	TP402	TP402	TP405	TP406
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.20	0.90	1.90	0.50
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Triadimefon	µg/kg	10	NONE	-	-	-	-	-
Trans-Permethrin	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420496	420497	420498	420499	420500
Sample Reference				TP401	TP402	TP402	TP405	TP406
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.40	0.20	0.90	1.90	0.50
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420501	420502	420503	420504	420505
Sample Reference				TP406	TP407	TP407	HP417	HP418
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.00	0.20	2.50	0.10	0.10
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Stone Content	%	0.1	NONE	20.9	< 0.1	< 0.1	< 0.1	27.7
Moisture Content	%	0.01	NONE	48	53	9.3	23	19
Total mass of sample received	kg	0.1	NONE	1	1	1.1	1.1	1.1
Asbestos								
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	-	-
Asbestos Analyst ID	N/A	N/A	N/A	EWS	EWS	EWS	-	-
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	9	7.2	8.2	-	-
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	1100	54	55	-	-
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	558	26.8	27.4	-	-
Organic Matter	%	0.1	MCERTS	-	24	-	-	-
Organic Matter (automated)	%	0.1	MCERTS	6.6	-	0.3	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	3.8	-	0.2	-	-
Total Organic Carbon (TOC) – Manual	%	0.1	MCERTS	-	14	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.1	0.05	< 0.05	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	0.26	< 0.05	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	0.43	< 0.05	< 0.05	-	-
Fluorene	mg/kg	0.05	MCERTS	0.87	< 0.05	< 0.05	-	-
Phenanthrene	mg/kg	0.05	MCERTS	8.7	< 0.05	< 0.05	-	-
Anthracene	mg/kg	0.05	MCERTS	0.82	< 0.05	< 0.05	-	-
Fluoranthene	mg/kg	0.05	MCERTS	15	0.11	< 0.05	-	-
Pyrene	mg/kg	0.05	MCERTS	11	0.11	< 0.05	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.8	< 0.05	< 0.05	-	-
Chrysene	mg/kg	0.05	MCERTS	7.3	0.07	< 0.05	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	9	0.09	< 0.05	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	3.7	< 0.05	< 0.05	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	5.3	0.09	< 0.05	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	3.6	< 0.05	< 0.05	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.74	< 0.05	< 0.05	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	3.7	< 0.05	< 0.05	-	-
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	72.8	< 0.80	< 0.80	-	-
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	12	9.4	8.2	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	2.1	3.1	1.3	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.1	< 0.2	< 0.2	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	19	13	16	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	42	11	11	-	-

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420501	420502	420503	420504	420505
Sample Reference				TP406	TP407	TP407	HP417	HP418
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.00	0.20	2.50	0.10	0.10
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Lead (aqua regia extractable)	mg/kg	1	MCERTS	4200	150	12	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	17	5.2	15	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	40	21	25	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	1400	75	46	-	-
Petroleum Hydrocarbons								
TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	4.8	-	< 1.0	-	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	29	-	< 2.0	-	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	24	-	< 8.0	-	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	63	-	< 8.0	-	-
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	27	-	< 10	-	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-	< 10	-	-
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	150	-	< 10	-	-
TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	< 0.010	-	< 0.010	-	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	< 0.020	-	< 0.020	-	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	9.6	-	< 2.0	-	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	42	-	< 10	-	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	130	-	< 10	-	-
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	43	-	< 10	-	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-	< 10	-	-
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	230	-	< 10	-	-
TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	380	-	< 10	-	-
VOCs								
Chloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Chloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromomethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Vinyl Chloride	µg/kg	5	NONE	< 5.0	-	-	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
2,2-Dichloropropane	µg/kg	5	NONE	< 5.0	-	-	-	-
Chloroform	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	< 7.0	-	-	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Benzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
Carbontetrachloride	µg/kg	5	MCERTS	< 5.0	-	-	-	-

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420501	420502	420503	420504	420505
Sample Reference				TP406	TP407	TP407	HP417	HP418
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.00	0.20	2.50	0.10	0.10
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
1,2-Dichloropropane	µg/kg	6	MCERTS	< 6.0	-	-	-	-
Trichloroethene	µg/kg	10	MCERTS	< 10	-	-	-	-
Dibromomethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromodichloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	< 10	-	-	-	-
Toluene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	< 6.0	-	-	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Dibromochloromethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Tetrachloroethene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Chlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
p & m-Xylene	µg/kg	8	MCERTS	< 8.0	-	< 8.0	-	-
Styrene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Bromoform	µg/kg	5	MCERTS	< 5.0	-	-	-	-
o-Xylene	µg/kg	5	MCERTS	< 5.0	-	< 5.0	-	-
Isopropylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	< 5.0	-	-	-	-
Bromobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
n-Propylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Butylbenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	< 8.0	-	-	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	< 5.0	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	< 5.0	-	-	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	< 0.2	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	< 0.05	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420501	420502	420503	420504	420505
Sample Reference				TP406	TP407	TP407	HP417	HP418
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.00	0.20	2.50	0.10	0.10
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	< 0.3	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	< 0.2	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	0.1	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	0.4	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
4-Nitroaniline	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Azobenzene	mg/kg	0.3	NONE	< 0.3	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.30	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	0.5	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Anthraquinone	mg/kg	0.3	NONE	2.6	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	< 0.3	-	-	-	-

Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	< 10	< 10
Alachlor	µg/kg	10	NONE	-	-	-	< 10	< 10
Bifenthrin	µg/kg	10	NONE	-	-	-	< 10	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	< 10	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	< 10	< 10
Omethoate	µg/kg	10	NONE	-	-	-	< 10	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	< 10	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	< 10	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	< 10	< 10
Dimethylvinphos	µg/kg	10	NONE	-	-	-	< 10	< 10
Demeton-O	µg/kg	10	NONE	-	-	-	< 10	< 10
Demeton-S	µg/kg	10	NONE	-	-	-	< 10	< 10
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	< 10	< 10
Endrin Ketone	µg/kg	10	NONE	-	-	-	< 10	< 10
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	< 10	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	< 10	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	< 10	< 10
Cis-Permethrin	µg/kg	10	NONE	-	-	-	< 10	< 10
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	< 10	< 10
Etrimfos	µg/kg	10	NONE	-	-	-	< 10	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	< 10	< 10

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420501	420502	420503	420504	420505
Sample Reference				TP406	TP407	TP407	HP417	HP418
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.00	0.20	2.50	0.10	0.10
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	< 10	< 10
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	< 10	< 10
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	< 10	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	< 10	< 10
Propetamphos	µg/kg	10	NONE	-	-	-	< 10	< 10
Tecnazene	µg/kg	10	NONE	-	-	-	< 10	< 10
Triadimefon	µg/kg	10	NONE	-	-	-	< 10	< 10
Trans-Permethrin	µg/kg	10	NONE	-	-	-	< 10	< 10
Aldrin	µg/kg	10	NONE	-	-	-	< 10	< 10
Azinphos-methyl	µg/kg	10	NONE	-	-	-	< 10	< 10
Beta-BHC	µg/kg	10	NONE	-	-	-	< 10	< 10
Cis-Chlordane	µg/kg	10	NONE	-	-	-	< 10	< 10
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	< 10	< 10
Chlorpyrifos	µg/kg	10	NONE	-	-	-	< 10	< 10
Chlorothalonil	µg/kg	10	NONE	-	-	-	< 10	< 10
Carbophenothion	µg/kg	10	NONE	-	-	-	< 10	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	< 10	< 10
Delta-BHC	µg/kg	10	NONE	-	-	-	< 10	< 10
Dieldrin	µg/kg	10	NONE	-	-	-	< 10	< 10
Deltamethrin	µg/kg	10	NONE	-	-	-	< 10	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	< 10	< 10
Endrin	µg/kg	10	NONE	-	-	-	< 10	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	< 10	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	< 10	< 10
Fenthion	µg/kg	10	NONE	-	-	-	< 10	< 10
Isodrin	µg/kg	10	NONE	-	-	-	< 10	< 10
Methacrifos	µg/kg	10	NONE	-	-	-	< 10	< 10
O,p'-DDD	µg/kg	10	NONE	-	-	-	< 10	< 10
O,p'-DDE	µg/kg	10	NONE	-	-	-	< 10	< 10
O,p'-DDT	µg/kg	10	NONE	-	-	-	< 10	< 10
Parathion	µg/kg	10	NONE	-	-	-	< 10	< 10
Parathion-methyl	µg/kg	10	NONE	-	-	-	< 10	< 10
Pendimethalin	µg/kg	10	NONE	-	-	-	< 10	< 10
Phorate	µg/kg	10	NONE	-	-	-	< 10	< 10
Phosalone	µg/kg	10	NONE	-	-	-	< 10	< 10
P,p'-DDD	µg/kg	10	NONE	-	-	-	< 10	< 10
P,p'-DDE	µg/kg	10	NONE	-	-	-	22	16
P,p'-DDT	µg/kg	10	NONE	-	-	-	54	32
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	< 10	< 10
Propyzamide	µg/kg	10	NONE	-	-	-	< 10	< 10
Triazophos	µg/kg	10	NONE	-	-	-	< 10	< 10
Trans-Chlordane	µg/kg	10	NONE	-	-	-	< 10	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	< 10	< 10
Dichlorvos	µg/kg	10	NONE	-	-	-	< 10	< 10
Dimethoate	µg/kg	10	NONE	-	-	-	< 10	< 10
Diazinon	µg/kg	10	NONE	-	-	-	< 10	< 10
Ethion	µg/kg	10	NONE	-	-	-	< 10	< 10
Fenitrothion	µg/kg	10	NONE	-	-	-	< 10	< 10
Malathion	µg/kg	10	NONE	-	-	-	< 10	< 10
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	< 10	< 10
Trifluralin	µg/kg	10	NONE	-	-	-	< 10	< 10

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420501	420502	420503	420504	420505
Sample Reference				TP406	TP407	TP407	HP417	HP418
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				2.00	0.20	2.50	0.10	0.10
Date Sampled				08/01/2025	08/01/2025	08/01/2025	08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**					
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420506	420507
Sample Reference				HP419	HP420
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.10	0.10
Date Sampled				08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Stone Content	%	0.1	NONE	< 0.1	25.5
Moisture Content	%	0.01	NONE	16	19
Total mass of sample received	kg	0.1	NONE	1.1	1.1
Asbestos					
Asbestos in Soil Detected/Not Detected	Type	N/A	ISO 17025	-	-
Asbestos Analyst ID	N/A	N/A	N/A	-	-
General Inorganics					
pH (L099)	pH Units	N/A	MCERTS	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	-
Water Soluble SO_4 16hr extraction (2:1)	mg/l	1.25	MCERTS	-	-
Organic Matter	%	0.1	MCERTS	-	-
Organic Matter (automated)	%	0.1	MCERTS	-	-
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	-	-
Total Organic Carbon (TOC) – Manual	%	0.1	MCERTS	-	-
Total Phenols					
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-
Speciated PAHs					
Naphthalene	mg/kg	0.05	MCERTS	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	-	-
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-
Total PAH					
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	-	-
Heavy Metals / Metalloids					
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Boron (water soluble)	mg/kg	0.2	MCERTS	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420506	420507
Sample Reference				HP419	HP420
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.10	0.10
Date Sampled				08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-

Petroleum Hydrocarbons

TPHCWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	-	-
TPHCWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	-	-
TPHCWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	-
TPHCWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	-	-
TPHCWG - Aliphatic >EC35 - EC40 $_{EH_CU_1D_AL}$	mg/kg	10	NONE	-	-
TPHCWG - Aliphatic >EC5 - EC35 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-
TPHCWG - Aliphatic >EC5 - EC40 $_{EH_CU+HS_1D_AL}$	mg/kg	10	NONE	-	-

TPHCWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.01	MCERTS	-	-
TPHCWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.02	MCERTS	-	-
TPHCWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	-	-
TPHCWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	-	-
TPHCWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	-
TPHCWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	-	-
TPHCWG - Aromatic >EC35 - EC40 $_{EH_CU_1D_AR}$	mg/kg	10	NONE	-	-
TPHCWG - Aromatic >EC5 - EC35 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-
TPHCWG - Aromatic >EC5 - EC40 $_{EH_CU+HS_1D_AR}$	mg/kg	10	NONE	-	-

TPH Total >EC5 - EC40 $_{EH_CU+HS_1D_TOTAL}$	mg/kg	10	NONE	-	-

VOCs

Chloromethane	µg/kg	5	MCERTS	-	-
Chloroethane	µg/kg	5	MCERTS	-	-
Bromomethane	µg/kg	5	MCERTS	-	-
Vinyl Chloride	µg/kg	5	NONE	-	-
Trichlorofluoromethane	µg/kg	5	MCERTS	-	-
1,1-Dichloroethene	µg/kg	5	MCERTS	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	5	MCERTS	-	-
Trans 1,2-dichloroethylene	µg/kg	5	MCERTS	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	MCERTS	-	-
1,1-Dichloroethane	µg/kg	5	MCERTS	-	-
2,2-Dichloropropane	µg/kg	5	NONE	-	-
Chloroform	µg/kg	5	MCERTS	-	-
1,1,1-Trichloroethane	µg/kg	5	MCERTS	-	-
1,2-Dichloroethane	µg/kg	7	MCERTS	-	-
1,1-Dichloropropene	µg/kg	5	MCERTS	-	-
Cis-1,2-dichloroethene	µg/kg	5	MCERTS	-	-
Benzene	µg/kg	5	MCERTS	-	-
Carbontetrachloride	µg/kg	5	MCERTS	-	-

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420506	420507
Sample Reference				HP419	HP420
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.10	0.10
Date Sampled				08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
1,2-Dichloropropane	µg/kg	6	MCERTS	-	-
Trichloroethene	µg/kg	10	MCERTS	-	-
Dibromomethane	µg/kg	5	MCERTS	-	-
Bromodichloromethane	µg/kg	5	MCERTS	-	-
Cis-1,3-dichloropropene	µg/kg	5	MCERTS	-	-
Trans-1,3-dichloropropene	µg/kg	10	MCERTS	-	-
Toluene	µg/kg	5	MCERTS	-	-
1,1,2-Trichloroethane	µg/kg	6	MCERTS	-	-
1,3-Dichloropropane	µg/kg	5	MCERTS	-	-
Dibromochloromethane	µg/kg	5	MCERTS	-	-
Tetrachloroethene	µg/kg	5	MCERTS	-	-
1,2-Dibromoethane	µg/kg	5	MCERTS	-	-
Chlorobenzene	µg/kg	5	MCERTS	-	-
1,1,1,2-Tetrachloroethane	µg/kg	5	MCERTS	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-
p & m-Xylene	µg/kg	8	MCERTS	-	-
Styrene	µg/kg	5	MCERTS	-	-
Bromoform	µg/kg	5	MCERTS	-	-
o-Xylene	µg/kg	5	MCERTS	-	-
Isopropylbenzene	µg/kg	5	MCERTS	-	-
1,1,2,2-Tetrachloroethane	µg/kg	5	NONE	-	-
Bromobenzene	µg/kg	5	MCERTS	-	-
n-Propylbenzene	µg/kg	5	MCERTS	-	-
2-Chlorotoluene	µg/kg	5	MCERTS	-	-
4-Chlorotoluene	µg/kg	5	MCERTS	-	-
1,3,5-Trimethylbenzene	µg/kg	5	MCERTS	-	-
tert-Butylbenzene	µg/kg	5	MCERTS	-	-
1,2,4-Trimethylbenzene	µg/kg	5	MCERTS	-	-
sec-Butylbenzene	µg/kg	5	MCERTS	-	-
1,3-Dichlorobenzene	µg/kg	5	MCERTS	-	-
p-Isopropyltoluene	µg/kg	5	MCERTS	-	-
1,4-Dichlorobenzene	µg/kg	5	MCERTS	-	-
1,2-Dichlorobenzene	µg/kg	5	MCERTS	-	-
Butylbenzene	µg/kg	5	MCERTS	-	-
1,2-Dibromo-3-chloropropane	µg/kg	8	MCERTS	-	-
1,2,4-Trichlorobenzene	µg/kg	5	MCERTS	-	-
Hexachlorobutadiene	µg/kg	5	MCERTS	-	-
1,2,3-Trichlorobenzene	µg/kg	5	MCERTS	-	-

SVOCs

Aniline	mg/kg	0.1	NONE	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-
1,3-Dichlorobenzene	mg/kg	0.2	NONE	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-
Hexachloroethane	mg/kg	0.05	ISO 17025	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420506	420507
Sample Reference				HP419	HP420
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.10	0.10
Date Sampled				08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
4-Methylphenol	mg/kg	0.2	NONE	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-
2,6-Dinitrotoluene	mg/kg	0.1	NONE	-	-
2,4-Dinitrotoluene	mg/kg	0.2	NONE	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	MCERTS	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-
4-Nitroaniline	mg/kg	0.2	NONE	-	-
Azobenzene	mg/kg	0.3	NONE	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-
Dibutyl phthalate	mg/kg	0.2	NONE	-	-
Anthraquinone	mg/kg	0.3	NONE	-	-
Butyl benzyl phthalate	mg/kg	0.3	NONE	-	-

Pesticides

Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	< 10	< 10
Alachlor	µg/kg	10	NONE	< 10	< 10
Bifenthrin	µg/kg	10	NONE	< 10	< 10
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10	< 10
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	< 10	< 10
Omethoate	µg/kg	10	NONE	< 10	< 10
1,2,3-Trichlorobenzene	µg/kg	10	NONE	< 10	< 10
1,3,5-Trichlorobenzene	µg/kg	10	NONE	< 10	< 10
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	< 10	< 10
Dimethylvinphos	µg/kg	10	NONE	< 10	< 10
Demeton-O	µg/kg	10	NONE	< 10	< 10
Demeton-S	µg/kg	10	NONE	< 10	< 10
Endrin Aldehyde	µg/kg	10	NONE	< 10	< 10
Endrin Ketone	µg/kg	10	NONE	< 10	< 10
Hexachlorobutadiene	µg/kg	10	NONE	< 10	< 10
Phosphamidon (Sum)	µg/kg	10	NONE	< 10	< 10
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	< 10	< 10
Cis-Permethrin	µg/kg	10	NONE	< 10	< 10
Endosulfan sulfate	µg/kg	10	NONE	< 10	< 10
Etrimfos	µg/kg	10	NONE	< 10	< 10
Fenvalerate (Sum)	µg/kg	10	NONE	< 10	< 10

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420506	420507
Sample Reference				HP419	HP420
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.10	0.10
Date Sampled				08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Hexachlorobenzene	µg/kg	10	NONE	< 10	< 10
Mevinphos, E+Z	µg/kg	10	NONE	< 10	< 10
Pentachlorobenzene	µg/kg	10	NONE	< 10	< 10
Pirimiphos-ethyl	µg/kg	10	NONE	< 10	< 10
Propetamphos	µg/kg	10	NONE	< 10	< 10
Tecnazene	µg/kg	10	NONE	< 10	< 10
Triadimefon	µg/kg	10	NONE	< 10	< 10
Trans-Permethrin	µg/kg	10	NONE	< 10	< 10
Aldrin	µg/kg	10	NONE	< 10	< 10
Azinphos-methyl	µg/kg	10	NONE	< 10	< 10
Beta-BHC	µg/kg	10	NONE	< 10	< 10
Cis-Chlordane	µg/kg	10	NONE	< 10	< 10
Chlorfenvinphos	µg/kg	10	NONE	< 10	< 10
Chlorpyrifos	µg/kg	10	NONE	< 10	< 10
Chlorothalonil	µg/kg	10	NONE	< 10	< 10
Carbophenothion	µg/kg	10	NONE	< 10	< 10
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10	< 10
Delta-BHC	µg/kg	10	NONE	< 10	< 10
Dieldrin	µg/kg	10	NONE	< 10	< 10
Deltamethrin	µg/kg	10	NONE	< 10	< 10
Heptachlor Exo-epoxide	µg/kg	10	NONE	< 10	< 10
Endrin	µg/kg	10	NONE	< 10	< 10
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10	< 10
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10	< 10
Fenthion	µg/kg	10	NONE	< 10	< 10
Isodrin	µg/kg	10	NONE	< 10	< 10
Methacrifos	µg/kg	10	NONE	< 10	< 10
O,p'-DDD	µg/kg	10	NONE	< 10	< 10
O,p'-DDE	µg/kg	10	NONE	< 10	< 10
O,p'-DDT	µg/kg	10	NONE	< 10	< 10
Parathion	µg/kg	10	NONE	< 10	< 10
Parathion-methyl	µg/kg	10	NONE	< 10	< 10
Pendimethalin	µg/kg	10	NONE	< 10	< 10
Phorate	µg/kg	10	NONE	< 10	< 10
Phosalone	µg/kg	10	NONE	< 10	< 10
P,p'-DDD	µg/kg	10	NONE	< 10	< 10
P,p'-DDE	µg/kg	10	NONE	< 10	20
P,p'-DDT	µg/kg	10	NONE	21	46
P,p'-Methoxychlor	µg/kg	10	NONE	< 10	< 10
Propyzamide	µg/kg	10	NONE	< 10	< 10
Triazophos	µg/kg	10	NONE	< 10	< 10
Trans-Chlordane	µg/kg	10	NONE	< 10	< 10
Cypermethrin (Sum)	µg/kg	10	NONE	< 10	< 10
Dichlorvos	µg/kg	10	NONE	< 10	< 10
Dimethoate	µg/kg	10	NONE	< 10	< 10
Diazinon	µg/kg	10	NONE	< 10	< 10
Ethion	µg/kg	10	NONE	< 10	< 10
Fenitrothion	µg/kg	10	NONE	< 10	< 10
Malathion	µg/kg	10	NONE	< 10	< 10
Pirimiphos-methyl	µg/kg	10	NONE	< 10	< 10
Trifluralin	µg/kg	10	NONE	< 10	< 10

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Analytical Report Number: 25-000693
Project / Site name: Chactonbury Nurseries
Your Order No: GWPR6247

Lab Sample Number				420506	420507
Sample Reference				HP419	HP420
Sample Number				None Supplied	None Supplied
Water Matrix				N/A	N/A
Depth (m)				0.10	0.10
Date Sampled				08/01/2025	08/01/2025
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**		
Azinphos-ethyl	µg/kg	10	NONE	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Analytical Report Number : 25-000693
Project / Site name: Chactonbury Nurseries

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
420496	TP401	None Supplied	0.4	Brown clay and sand with vegetation
420497	TP402	None Supplied	0.2	Brown clay and sand with clinker and vegetation
420498	TP402	None Supplied	0.9	Brown clay and sand with gravel and vegetation
420499	TP405	None Supplied	1.9	Brown clay and sand with gravel and stones
420500	TP406	None Supplied	0.5	Brown clay and sand
420501	TP406	None Supplied	2	Brown clay and sand with stones
420502	TP407	None Supplied	0.2	Brown loam and clay with gravel and vegetation
420503	TP407	None Supplied	2.5	Brown clay and sand with gravel
420504	HP417	None Supplied	0.1	Brown loam and clay with glass and vegetation
420505	HP418	None Supplied	0.1	Brown loam and clay with glass and vegetation
420506	HP419	None Supplied	0.1	Brown loam and clay with glass and vegetation
420507	HP420	None Supplied	0.1	Brown loam and clay with vegetation and stones

Analytical Report Number : 25-000693
Project / Site name: Chactonbury Nurseries

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in Soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques	In-house method based on HSG 248, 2021	A001B	D	ISO 17025
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L009B	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Organic matter in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L023B	D	MCERTS
Total organic carbon in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate (Walkley Black Method)	In-house method	L023B	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES	In-house method based on Second Site Properties version 3	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
BTEX and/or Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS	In-house method based on USEPA 8260	L073B	W	MCERTS
Total petroleum hydrocarbons with carbon banding by GC-FID/GC-MS HS in soil	Determination of total petroleum hydrocarbons in soil by GC-FID/GC-MS HS with carbon banding aliphatic and aromatic	In-house method	L076B/L088-PL	D/W	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS

Analytical Report Number : 25-000693
Project / Site name: Chactonbury Nurseries

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)
Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

APPENDIX H:
Soil Assessment Criteria

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Ground and Water Limited

Soil Guideline Values and Generic Assessment Criteria

The Contaminated Land Regime reflects the UK Government's stated objectives of achieving sustainable development through the 'suitable for use approach'. At preliminary risk assessment stage, risks are evaluated qualitatively. As the site investigation progresses to a generic or detailed quantitative risk assessment, data is collected and assessment criteria are utilised to evaluate whether the contaminants represent an unacceptable risk to the identified receptors.

1. Contaminated Land Exposure Assessment Model (CLEA)

Current United Kingdom risk assessment practice is based on the Contaminated Land Exposure Assessment Model (CLEA).

The CLEA Guidance comprises the following documents:

1) EA Science Report SC050021/SR2: Human health toxicological assessment of contaminants in soil.
2) EA Science Report SC050021/SR3: Updated technical background to the CLEA model.
3) EA CLEA Bulletin (2009).
4) CLEA software version 1.07 (2015)
5) Toxicological reports and SGV technical notes.

The CLEA guidance and tools:

- Do not cover other types of risk to humans, such as fire, suffocation or explosion, or short-term and acute exposures;
- Do not cover risks to the environment, such as groundwater, ecosystems or buildings;
- Do not provide a definitive test for telling when human health risks are significant; and
- Are not a legal requirement in assessing land contamination risks. They are not part of the legal regime for Part 2A of the Environmental Protection Act 1990.

The CLEA guidance derives soil concentrations of contaminants above which (in the opinion of the EA) there may be a concern that warrants further investigation. It does not provide a definitive test for establishing that the risk is significant.

1.1. Land-use Scenarios

The CLEA model uses a range of standard land-use scenarios to develop conceptual exposure models outlined in the following sections.

1.1.1. Residential (with home grown produce) (RwHP)

Generic scenario assumes a typical two-storey house built on a ground bearing slab with a private garden having a lawn, flowerbeds and a small fruit and vegetable patch.

- Critical receptor is a young female child (zero to six years old)
- Exposure duration is six years.
- Exposure pathways include direct soil and indoor dust ingestion, consumption of homegrown produce and any adhering soil, skin contact with soils and indoor dust and inhalation of indoor and outdoor dust and vapours.
- Building type is a two-storey small-terraced house.

A sub-set of this land-use is residential apartments with communal landscaped gardens where the consumption of home grown vegetables will not occur. (Residential without homegrown produce (RwoHP)).

1.1.2. Allotments

Provision of open space (about 250sq.m) commonly made available to tenants by the local authority to grow fruit and vegetable for their own consumption. Typically, there are a number of plots to a site which may have a total area of up to 1 hectare. The tenants are assumed to be adults and that young children make occasional accompanied visits.

Although some allotment holders may choose to keep animals including rabbits, hens, and ducks, potential exposure to contaminated meat and eggs is not considered.

- Critical receptor is a young female child (zero to six years old)
- Exposure duration is six years.
- Exposure pathways include direct soil ingestion, consumption of homegrown produce and any adhering soil, skin contact with soils and inhalation of outdoor dust and vapours.
- There is no building.

1.1.3. Commercial/Industrial

The generic scenario assumes a typical commercial or light industrial property comprising a three-storey building at which employees spend most time indoors and are involved in office-based or relatively light physical work.

- Critical receptor is a working female adult (aged 16 to 65 years old).
- Exposure duration is a working lifetime of 49 years.
- Exposure pathways include direct soil and indoor dust ingestion, skin contact with soils and dusts and inhalation of dust and vapours.
- Building type is a three-storey office (pre 1970).

2. LQM/CIEH Suitable 4 Use Levels (S4UL)

For derivation of these S4UL reference must be made to:

Nathanial, P., McCaffrey, C., Gillet, A., Ogden, R., Nathanial, J., *The LQM/CIEH S4UL's for Human Health Risk Assessment*. **Land Quality Press**. 2015

2.1. S4UL Background

The Land Quality Management/Chartered Institute of Environmental Health (LQM/CIEH) S4UL for a given land use is the concentration of the contaminant in soil at which the predicted daily exposure,

as calculated by the CLEA software, equals the Health Criteria Value. The S4ULs have been derived for substances based on various generic land use and soil organic matter contents.

The final output for each contaminant represents a synthesis of new toxicological (and fate and transport) reviews published since the preparation of the 2nd edition LQM/CIEH GAC's (Nathanial et al., 2009).

In the derivation of LQM/CIEH S4UL's the principles of 'minimal' or 'tolerable' risk enshrined in SR2, which has not been withdrawn, has been maintained.

2.2. S4UL Land-use

S4UL's have been derived for the basic CLEA land-uses, as described in section 1.2, and for two new land uses:

- Public Open Spaces near Residential Housing (POSresi).
- Public Park (POSpark).

2.2.1. Public Open Spaces near Residential Housing (POSresi)

Includes the predominantly grassed areas adjacent to high density housing, the central green area on many 1930's – 1970's housing estates, and smaller areas commonly incorporated in newer developments as informal grassed areas or more formal landscaped areas with a mixture of open space and covered soils with planting. It is assumed that the close proximity to the place of residence will allow tracking back of soil to occur.

2.2.2. Public Park (POSpark)

An area of open space, usually owned and maintained by the local authority, provided for recreational uses including family visists and picnics, children's play area, informal sporting activities (not a dedicated sports pitch), and dog walking. It is assumed that tracking back of soils into places of residence will be negligible.

The following LQM/CIEH S4Uls (Copyright Land Quality Management Limited) have been reproduced with permission, to the publication number S4UL3072.

3. Category 4 Screening Levels (C4SLs)

In the case of Lead, no SGV or GAC has been published to date. This is likely to be due to the toxicity review that is currently being undertaken by the Environment Agency. In the absence of updated toxicity information the SGV derived using CLEA 1.07 methodology and related toxicity will be used.

The overall objective of the C4SLs research project was to assist the provision of technical guidance in support of Defra's revised Statutory Guidance (SG) for Part 2A of the Environmental Protection Act 1990 (Part 2A) (Defra, 2012a). Specifically, the project aimed to deliver:

- A methodology for deriving C4SLs for four generic land-uses comprising residential, commercial, allotments and public open space; and
- A demonstration of the methodology, via the derivation of C4SLs for six substances – arsenic, benzene, benzo(a)pyrene, cadmium, chromium (VI) and lead.

To help achieve a more targeted approach to identifying and managing contaminated land in relation to the risk (or possibility) of harm to human health, the revised SG presented a new four category

system for considering land under Part 2A, ranging from Category 4, where there is no risk that land poses a significant possibility of significant harm (SPOSH), or the level of risk is low, to Category 1, where the risk that land poses a significant possibility of significant harm (SPOSH) is unacceptably high. More specific guidance on what type of land should be considered as Category 4 (Human Health) is provided in Paragraphs 4.21 and 4.22 of the revised SG, as follows:

> *"4.21 The local authority should consider that the following types of land should be placed into Category 4: Human Health:*
> *(a) Land where no relevant contaminant linkage has been established.*
> *(b) Land where there are only normal levels of contaminants in soil, as explained in Section 3 of this Guidance.*
> *(c) Land that has been excluded from the need for further inspection and assessment because contaminant levels do not exceed relevant generic assessment criteria in accordance with Section 3 of this Guidance, or relevant technical tools or advice that may be developed in accordance with paragraph 3.30 of this Guidance.*
> *(d) Land where estimated levels of exposure to contaminants in soil are likely to form only a small proportion of what a receptor might be exposed to anyway through other sources of environmental exposure (e.g. in relation to average estimated national levels of exposure to substances commonly found in the environment, to which receptors are likely to be exposed in the normal course of their lives).*
>
> *4.22 The local authority may consider that land other than the types described in paragraph 4.21 should be placed into Category 4: Human Health if following a detailed quantitative risk assessment it is satisfied that the level of risk posed is sufficiently low."*

The C4SLs are intended as "relevant technical tools" (in relation to Paragraph 4.21(c)) to help local authorities and others when deciding to stop further assessment of a site, on the grounds that it falls within Category 4 (Human Health).

The Impact Assessment (IA), which accompanied the revised SG (Defra, 2012b) provides further information on the nature and potential role of the C4SLs. Paragraph 47(h) of the IA states that:

> *"The new statutory guidance will bring about a situation where the current SGVs/GACs are replaced with more pragmatic (but still strongly precautionary) Category 4 screening levels (C4SLs) which will provide a higher simple test for deciding that land is suitable for use and definitely not contaminated land."*

A key distinction between the Soil Guideline Values (SGVs) and the C4SLs is the level of risk that they describe. As described by the Environment Agency (2009a):

> *"SGVs are guidelines on the level of long-term human exposure to individual chemicals in soil that, unless stated otherwise, are tolerable or pose a minimal risk to human health."*

The implication of Paragraph 47(h) of the IA is that minimal risk is well within Category 4 and that the C4SLs should describe a higher level of risk which, whilst not minimal, can still be considered low enough to allow a judgement to be made that land containing substances at, or below, the C4SLs would typically fall within Category 4. This reflects Paragraph 4.20 of the revised SG, which states:

> *"4.20 The local authority should not assume that land poses a significant possibility of significant harm if it considers that there is no risk or that the level of risk posed is low. For the purposes of this Guidance, such land is referred to as a "Category 4: Human Health" case. The authority may decide that the land is a Category 4: Human Health case as soon as it considers it has evidence to this effect, and this may happen at any stage during risk assessment including the early stages."*

C4SLs, therefore, should not be viewed as "SPOSH levels" and they should not be used as a legal trigger for the determination of land under Part 2A.

The generic screening values referred to before usually take the form of risk-based Soil Guideline Values (SGVs) or other Generic Assessment Criteria (GACs) that are most typically derived using the Environment Agency's Contaminated Land Exposure Assessment (CLEA) model, as described in the Environment Agency's SR2, SR3 and SR7 reports (EA, 2009b & c; EA, 2008). It is anticipated that C4SLs will be used in a similar manner; as generic screening criteria that can be used within a GQRA, albeit describing a higher level of risk than the SGVs.

The suggested approach to the development of C4SLs consists of the retention and use of the CLEA framework, modified according to considerations of the underlying science within the context of Defra's policy objectives relating to the revised SG. Within this context, it is suggested that the development of C4SLs may be achieved in one of three ways, namely:

- By modifying the toxicological parameters used within CLEA (while maintaining current exposure parameters);
- By modifying the exposure parameters embedded within CLEA (while maintaining current toxicological "minimal risk" interpretations); and
- By modifying both toxicological and exposure parameters.

There is also a suggested check on "other considerations" (e.g., background levels, epidemiological data, sources of uncertainty) within the approach, applicable to all three options.

It is suggested that a new term is defined for the toxicological guidance values associated with the derivation of C4SLs – a Low Level of Toxicological Concern (LLTC). A LLTC should represent an intake of low concern that remains suitably protective of health, and definitely does not approach an intake level that could be defined as SPOSH.

4. CL:AIRE Generic Assessment Criteria (GAC)

For derivation of the CL:AIRE Generic Assessment Criteria (GAC) reference should be made to the following report:

> CL:AIRE, *The Soil Generic Assessment Criteria for Human Health Risk Assessment.* **Contaminated Land: Applications in the Real Environment**. 2009.

Within this report, Contaminated Land: Applications in Real Environments (CL:AIRE) provided Generic Assessment Criteria (GAC) in accordance with the CLEA software and the principles outlined previously for a further 35 contaminants sometimes encountered on land affected by contamination.

5. SoBRA Acute GAC

The Society of Brownfield Risk Assessment (SoBRA) identified that most human health risk assessments focus on the chronic risks arising from long-term exposure to specific substances. As chronic risks often occur at lower doses than acute risks, they are often the key drivers, however, in some instances the acute dose may also be an important consideration within risk assessments.

The methodology for deriving the acute GAC were related to two distinct receptor groups:

- Members of the public, where the 'critical' receptor for this group will typically be a female child, which is consistent with CLEA residential and Public Open Space/allotments land-uses;
- Workers involved with excavations. The critical receptor for this group is assumed to be a female working adult, without the use of PPE.

The acute GACs relate to short term exposure of high concentrations of a substance that lead to acute effects. They are not considered to be average exposures across a specific / defined area. As a result, the GACs should be normally be compared with the maximum likely concentration that the individual may be exposed to, and not the average concentration within a specific area.

The SoBRA acute GAC will primarily be used for contaminants that do not currently have any GAC, most notably Cyanide.

6. Detailed Quantitative Risk Assessments (DQRA)

Where the adoption of a GAC is not appropriate, for instance when the intended land-use is at variance the CLEA standard land-uses, then a DQRA may be undertaken to develop site specific values for relevant soil contaminants.

- Establishing the plausibility that generic exposure pathways exist in practice by measurement and observation.
- Developing more accurate parameters using site data.

7. Phytotoxicity

CLEA guidance only addresses human health toxicity; assessment of plant toxicity (phytotoxicity) is based on threshold trigger values obtained from the following source:

- BS3882:2015 – *Specification for Topsoil*

The trigger values are relevant only to those contaminants, where present in excess, have the potential to inhibit plant growth, or kill plants (Cu, Ni and Zn). The criteria have been based on a wide range of planting that are common within a multi-purpose topsoil.

8. Statistical Tests

DEFRA R&D Publication CLR 7 (DOE 1994) addressed the statistical treatment of test results and their comparison to Soil Guideline Values.

Consideration must be given to the appropriate area of land to be considered termed the critical averaging area.

For a communal open space or commercial land-use, the critical averaging area will depend on the proposed layout. For a residential use with private gardens the averaging area is the individual plot.

It may be appropriate to compare the upper 95th percentile concentration with the Soil Guideline Value, subject to applying a statistical test to establish that the range of concentrations are reasonably consistent and belonging to the same underlying distribution of data.

CL:AIRE published guidance in 2020, *Guidance in comparing soil contamination data with a critical concentration,* superseding the CL:AIRE/CIEH 2008 report of the same name. The guidance provides ways to assist land contamination stakeholders to apply statistical methods to their data to enable decisions under the legislative framework; either planning system or Part 2A of the Environmental Protection Act 1990.

The use of the statistical tests should only be applied if the following statements are valid for the datasets:

- Averaging areas, as well as the smallest area of concern have been identified on the basis of the CSM, including the desk study and/or the site walkover;
- The sample locations were chosen using a simple random, stratified random or stratified systematic (square, herringbone or triangular grid) sampling pattern, rather than being targeted to locations suspected of being contaminated;
- The sample locations are relatively evenly spread across the area and are not clustered, to avoid giving undue weight to some parts of the site over others in the calculated statistics;
- The analyses do not suggest a hotspot or outlier of contamination that should be treated as a separate zone. This has been established by a histogram and/or a names statistical test;
- The sample locations are all taken from one population (i.e. the same material);
- Where an averaging zone encompasses several averaging areas, analyses do not show a spatial trend or other spatial pattern across that zone; and
- The number of samples has been shown to be sufficient for a statistical analysis.

Any included statistical spreadsheet is based on an in-house method of statistical analysis, in line with those outlined within the CL:AIRE guidance (2020).

Treatment of Hot-Spots

- A statistical test is applied to establish whether the data is a part of a single set, or whether data outliers are present.
- Provided that the data is based on random sampling and no distinct contamination source was present at the sampling location, the hot-spot(s) may be excluded and the mean of the remaining data assessed.

9. Ground and Water Limited Soil Assessment Criteria

The Soil Assessment Criteria used in the preparation of the Generic Quantitative Risk Assessment are tabulated in the following pages, where the source of each has been outlined in the previous sections.

9.1. Inorganics

SoBRA – Acute Generic Assessment Criteria						
Determinand	**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**	**POSresi (mg/kg)**	**POSpark (mg/kg)**
Cyanide	24	24	24	1400	24	24

9.2. Metals

C4SL Low Level of Toxicological Concern						
Determinand	**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**	**POSresi (mg/kg)**	**POSpark (mg/kg)**
Lead	< 200	< 310	< 80	< 2300	< 630	< 1300

LQM/CIEH Suitable 4 Use Levels – Metals and Semi-metals						
Determinand	**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**	**POSresi (mg/kg)**	**POSpark (mg/kg)**
Arsenic	37	40	43	640	79	170
Beryllium	1.7	1.7	35	12	2.2	63
Boron	290	11000	45	240000	21000	46000
Cadmium	11	85	1.9	190	120	532
Chromium (III)	910	910	18000	8600	1500	33000
Chromium (VI)	6	6	1.8	33	7.7	220
Copper	2400	7100	520	68000	12000	44000
Elemental Mercury	1.2	1.2	21	58	16	30
Inorganic Mercury	40	56	19	1100	120	240
Methylmercury	11	15	6	320	40	68
Nickel	130	180	53	980	230	800
Selenium	250	430	88	12000	1100	1800
Vanadium	410	1200	91	9000	2000	5000
Zinc	3700	40000	620	730000	81000	170000

Phytotoxicity (Harmful to Plants) Threshold Trigger Values			
Determinand	**Soil pH < 6.0 (mg/kg)**	**Soil pH 6.0 – 7.0 (mg/kg)**	**Soil pH > 7.0 (mg/kg)**
Copper	100	135	200
Nickel	60	75	110
Zinc	200	200	300
Notes: BS3882:2015 – *Specification for Topsoil*. Based on a wide range of common plants that will be exposed to multi-purpose topsoil. Toxicity of contaminant may also be impacted by pH of soils. Site observation of plant vitality may give additional guidance.			

CL:AIRE Soil Generic Assessment Criteria				
Determinand	**Residential (mg/kg)**	**Residential without plant uptake (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**
Antimony	ND	550	ND	7500
Barium	ND	1300	ND	22000
Molybdenum	ND	670	ND	17000
ND – Not derived				

9.3. Total Petroleum Hydrocarbons (TPHs)

9.3.1. BTEX Compounds

LQM/CIEH Suitable 4 Use Levels – BTEX Compounds							
Determinand	**Soil Organic Matter**	**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**	**POSresi (mg/kg)**	**POSpark (mg/kg)**
Benzene	1.0% SOM	0.087	0.38	0.017	27	72	90
	2.5% SOM	0.170	0.70	0.034	47	72	100
	6.0% SOM	0.370	1.40	0.075	90	73	110
Toluene	1.0% SOM	130	880	22	56000	56000	87000
	2.5% SOM	290	1900	51	110000	56000	95000
	6.0% SOM	660	3900	120	180000	56000	100000
Ethylbenzene	1.0% SOM	47	83	16	5700	24000	17000
	2.5% SOM	110	190	39	13000	24000	22000
	6.0% SOM	260	440	91	27000	25000	27000
o-Xylene	1.0% SOM	60	88	28	6600	41000	17000
	2.5% SOM	140	210	67	15000	42000	24000
	6.0% SOM	330	480	160	33000	43000	33000
m-Xylene	1.0% SOM	59	82	31	6200	41000	17000
	2.5% SOM	140	190	74	14000	42000	24000
	6.0% SOM	320	450	170	31000	43000	33000
p-Xylene	1.0% SOM	56	79	29	5900	41000	17000
	2.5% SOM	130	180	69	14000	42000	23000
	6.0% SOM	310	430	160	30000	43000	31000
SOM = Soil Organic Matter Content (%)							

9.3.2. Total Petroleum Hydrocarbons – Aliphatic

LQM/CIEH Suitable 4 Use Levels For TPH							
Aliphatic		**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**	**POSresi (mg/kg)**	**POSpark (mg/kg)**
EC 5-6	1.0% SOM	42	42	730	3,200 (304) [sol]	570,000 (304) [sol]	95,000 (304) [sol]
	2.5% SOM	78	78	1,700	5,900 (558) [sol]	590,000	130,000 (558) [sol]
	6.0% SOM	160	160	3,900	12,000 (1150) [sol]	600,000 (1150)[sol]	180,000 (1150) [sol]
EC >6-8	1.0% SOM	100	100	2,300	7,800 (144) [sol]	600,000	150,000 (144) [sol]
	2.5% SOM	230	230	5,600	17,000 (322) [sol]	610,000	220,000 (322) [sol]
	6.0% SOM	530	530	13,000	40,000 (736) [sol]	620,000	320,000 (736) [sol]
EC >8-10	1.0% SOM	27	27	320	2,000 (78) [sol]	13,000	14,000 (78) [sol]
	2.5% SOM	65	65	770	4,800 (118) [vap]	13,000	18,000 (118) [vap]
	6.0% SOM	150	150	1,700	11,000 (451) [vap]	13,000	21,000 (451) [vap]
EC >10-12	1.0% SOM	130 (48) [vap]	130 (48) [vap]	2,200	9,700 (48) [sol]	13,000	21,000 (48) [sol]
	2.5% SOM	330 (118) [vap]	330 (118) [vap]	4,400	23,000 (118) [vap]	13,000	23,000 (118) [vap]
	6.0% SOM	760 (283) [vap]	760 (283) [vap]	7,300	47,000 (283) [vap]	13,000	24,000 (283) [vap]
EC >12-16	1.0% SOM	1,100 (24) [sol]	1,100 (24) [sol]	11,000	59,000 (24) [sol]	13,000	25,000 (24) [sol]
	2.5% SOM	2,400 (59) [sol]	2,400 (59) [sol]	13,000	82,000 (59) [sol]	13,000	25,000 (59) [sol]
	6.0% SOM	4,300 (142) [sol]	4,400 (142) [sol]	13,000	90,000 (142) [sol]	13,000	26,000 (142) [sol]
EC >16-35	1.0% SOM	65,000 (8.48) [sol]	65,000 (8.48) [sol]	260,000	1,600,000	250,000	450,000
	2.5% SOM	92,000 (21) [sol]	92,000 (21) [sol]	270,000	1,700,000	250,000	480,000
	6.0% SOM	110,000	110,000	270,000	1,800,000	250,000	490,000
EC >35-44	1.0% SOM	65,000 (8.48) [sol]	65,000 (8.48) [sol]	260,000	1,600,000	250,000	450,000
	2.5% SOM	92,000 (21) [sol]	92,000 (21) [sol]	270,000	1,700,000	250,000	480,000
	6.0% SOM	110,000	110,000	270,000	1,800,000	250,000	490,000

SOM = Soil Organic Matter Content (%)

[vap] – GAC presented exceeds the vapour saturation limit, which is presented in brackets.

[sol] – GAC presented exceeds the soil saturation limit, which is presented in brackets.

9.3.3. Total Petroleum Hydrocarbons – Aromatic

LQM/CIEH Suitable 4 Use Levels For TPH							
Aromatic		**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**	**POSresi (mg/kg)**	**POSpark (mg/kg)**
EC 5-7 (Benzene)	1.0% SOM	70	370	13	26,000 (1220) [sol]	56,000	76,000 (1220 [sol]
	2.5% SOM	140	690	27	46,000 (2260) [sol]	56,000	84,000 (2260) [sol]
	6.0% SOM	300	1,400	57	86,000 (4710) [sol]	56,000	92,000 (4710) [sol]
EC >7-8 (Toluene)	1.0% SOM	130	860	22	56,000 (869) [vap]	56,000	87,000 (869) [sol]
	2.5% SOM	290	1,800	51	110,000 (1920) [sol]	56,000	95,000 (1920) [sol]
	6.0% SOM	660	3,900	120	180,000 (4360) [vap]	56,000	100,000 (4360) [vap]
EC >8-10	1.0% SOM	34	47	8.6	3,500 (613) [vap]	5,000	7,200 (613) [vap]
	2.5% SOM	83	110	21	8,100 (1500) [vap]	5,000	8,500 (1500) [vap]
	6.0% SOM	190	270	51	17,000 (3850) [vap]	5,000	9,300 (3580) [vap]
EC >10-12	1.0% SOM	74	250	13	16,000 (364) [sol]	5,000	9,200 (364) [sol]
	2.5% SOM	180	590	31	28,000 (899) [sol]	5,000	9,700 (889) [sol]
	6.0% SOM	380	1,200	74	34,000 (2150) [sol]	5,000	10,000
EC >12-16	1.0% SOM	140	1,800	23	36,000 (169) [sol]	5,100	10,000
	2.5% SOM	330	2,300 (419) [sol]	57	37,000	5,100	10,000
	6.0% SOM	660	2,500	130	38,000	5,000	10,000
EC >16-21	1.0% SOM	260	1,900	46	28,000	3,800	7,600
	2.5% SOM	540	1,900	110	28,000	3,800	7,700
	6.0% SOM	930	1,900	260	28,000	3,800	7,800
EC >21-35	1.0% SOM	1,100	1,900	370	28,000	3,800	7,800
	2.5% SOM	1,500	1,900	820	28,000	3,800	7,800
	6.0% SOM	1,700	1,900	1,600	28,000	3,800	7,900
EC >35-44	1.0% SOM	1,100	1,900	370	28,000	3,800	7,800
	2.5% SOM	1,500	1,900	820	28,000	3,800	7,800
	6.0% SOM	1,700	1,900	1,600	28,000	3,800	7,900
EC >44-70	1.0% SOM	1,600	1,900	1,200	28,000	3,800	7,800
	2.5% SOM	1,800	1,900	2,100	28,000	3,800	7,800
	6.0% SOM	1,900	1,900	3,000	28,000	3,800	7,900

SOM = Soil Organic Matter Content (%)

[vap] – GAC presented exceeds the vapour saturation limit, which is presented in brackets.

[sol] – GAC presented exceeds the soil saturation limit, which is presented in brackets.

9.4. Polycyclic Aromatic Hydrocarbons (PAHs)

LQM/CIEH Suitable 4 Use Levels For Polycyclic Aromatic Hydrocarbons (PAHs)							
Determinands		**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**	**POSresi (mg/kg)**	**POSpark (mg/kg)**
Acenapthene	1.0% SOM	210	3,000 (57.0) [sol]	34	84,000(57.0) [sol]	15,000	29,000
	2.5% SOM	510	4,700(141) [sol]	85	97,000(141) [sol]	15,000	30,000
	6.0% SOM	1100	6,000(336) [sol]	200	100,000	15,000	30,000
Acenapthylene	1.0% SOM	170	2,900(86.1) [sol]	28	83,000(86.1) [sol]	15,000	29,000
	2.5% SOM	420	4,600(212) [sol]	69	97,000(212) [sol]	15,000	30,000
	6.0% SOM	920	6,000(506) [sol]	160	100,000	15,000	30,000
Anthracene	1.0% SOM	2,400	31,000(1.17) [vap]	380	520,000	74,000	150,000
	2.5% SOM	5,400	35,000	950	540,000	74,000	150,000
	6.0% SOM	11,000	37,000	2,200	540,000	74,000	150,000
Benzo(a)anthracene	1.0% SOM	7.20	11	2.90	170	29	49
	2.5% SOM	11	14	6.50	170	29	56
	6.0% SOM	13	15	13	180	29	62
Benzo(a)pyrene	1.0% SOM	2.20	3.20	0.97	35	5.70	11
	2.5% SOM	2.70	3.20	2.00	35	5.70	12
	6.0% SOM	3.00	3.20	3.50	36	5.70	13
Benzo(b)flouranthene	1.0% SOM	2.60	3.90	0.99	44	7.10	13
	2.5% SOM	3.30	4.00	2.10	44	7.20	15
	6.0% SOM	3.70	4.00	3.90	45	7.20	16
Benzo(ghi)perylene	1.0% SOM	320	360	290	3,900	640	1,400
	2.5% SOM	340	360	470	4,000	640	1,500
	6.0% SOM	350	360	640	4,000	640	1,600
Benzo(k)flouranthene	1.0% SOM	77	110	37	1,200	190	370
	2.5% SOM	93	110	75	1,200	190	410
	6.0% SOM	100	110	130	1,200	190	440
Chrysene	1.0% SOM	15	30	4.10	350	57	93
	2.5% SOM	22	31	9.40	350	57	110
	6.0% SOM	27	32	19	350	57	120
Dibenzo(ah)anthracene	1.0% SOM	0.24	0.31	0.14	3.50	0.57	1.10
	2.5% SOM	0.28	0.32	0.27	3.50	0.57	1.30
	6.0% SOM	0.30	0.32	0.43	3.60	0.58	1.40
Flouranthene	1.0% SOM	280	1,500	52	23,000	3,100	6,300
	2.5% SOM	560	1,600	130	23,000	3,100	6,300
	6.0% SOM	890	1,600	290	23,000	3,100	6,300
Flourene	1.0% SOM	170	2,800 (30.9) [sol]	27	63,000(30.9) [sol]	9,900	20,000
	2.5% SOM	400	3,800(76.5) [sol]	67	68,000	9,900	20,000
	6.0% SOM	860	4,500(183) [sol]	160	71,000	9,900	20,000
Indeno(123-cd)pyrene	1.0% SOM	27	45	9.50	500	82	150
	2.5% SOM	36	46	21	510	82	170
	6.0% SOM	41	46	39	510	82	180
Napthalene	1.0% SOM	15	36	65	1,600	11,000	800
	2.5% SOM	36	36	130	3,700	15,000	1,200
	6.0% SOM	85	85	200	8,400	17,000	1,900
Phenanthrene	1.0% SOM	95	1,300(183) [sol]	15	22,000	3,100	6,200
	2.5% SOM	220	1,500	38	22,000	3,100	6,200
	6.0% SOM	440	1,500	90	23,000	3,100	6,300
Pyrene	1.0% SOM	620	3,700	110	54,000	7,400	15,000
	2.5% SOM	1200	3,800	270	54,000	7,400	15,000
	6.0% SOM	2000	3,800	620	54,000	7,400	15,000
Coal Tar (Benzo(a)pyrene used as marker compound)	1.0% SOM	0.79	1.2	0.32	15	2.20	4.40
	2.5% SOM	0.98	1.2	0.67	15	2.20	4.70
	6.0% SOM	1.10	1.2	1.20	15	2.20	4.80

SOM = Soil Organic Matter Content (%)

[vap] – GAC presented exceeds the vapour saturation limit, which is presented in brackets.

[sol] – GAC presented exceeds the soil saturation limit, which is presented in brackets.

9.5. Volatile and Semi-volatile Organic Compounds

LQM CIEH General Assessment Criteria: Volatile and Semi-Volatile Organic Compounds							
Determinands		**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**	**POSresi (mg/kg)**	**POSpark (mg/kg)**
Chloroalkanes & alkenes							
1,2 Dichloroethane	1.0% SOM	0.0071	0.0092	0.0046	0.67	29	21
	2.5% SOM	0.011	0.013	0.0083	0.97	29	24
	6.0% SOM	0.019	0.023	0.016	1.70	29	28
1,1,2,2 Tetrachloroethane	1.0% SOM	1.60	3.90	0.41	270	1,400	1,800
	2.5% SOM	3.40	8.00	0.89	550	1,400	2,100
	6.0% SOM	7.50	17	2.00	1,100	1,400	2,300
1,1,1,2 Tetrachloroethane	1.0% SOM	1.20	1.50	0.79	110	1,400	1,500
	2.5% SOM	2.80	3.50	1.90	250	1,400	1,800
	6.0% SOM	6.40	8.20	4.40	560	1,400	2,100
Tetrachloroethene	1.0% SOM	0.18	0.18	0.65	19	1,400	810 [sol](424)
	2.5% SOM	0.39	0.40	1.50	42	1,400	1,100 [sol](951)
	6.0% SOM	0.90	0.92	3.60	95	1,400	1,500
1,1,1 Trichloroethane	1.0% SOM	8.80	9.00	48	660	140,000	57,000 [vap](1425)
	2.5% SOM	18	18	110	1,300	140,000	76,000 [vap](2915)
	6.0% SOM	39	40	240	3,000	140,000	100,000 [vap] (6392)
Tetrachloromethene	1.0% SOM	0.026	0.026	0.45	2.90	890	190
	2.5% SOM	0.056	0.056	1.00	6.30	920	270
	6.0% SOM	0.130	0.130	2.40	14	950	400
Trichloroethene	1.0% SOM	0.016	0.017	0.041	1.20	120	70
	2.5% SOM	0.034	0.036	0.091	2.60	120	91
	6.0% SOM	0.075	0.080	0.210	5.70	120	120
Trichloromethane	1.0% SOM	0.91	1.20	0.42	99	2,500	2,600
	2.5% SOM	1.70	2.10	0.83	170	2,500	2,800
	6.0% SOM	3.40	4.20	1.70	350	2,500	3,100
Vinyl Chloride	1.0% SOM	0.00064	0.00077	0.00055	0.059	3.50	4.80
	2.5% SOM	0.00087	0.00100	0.00100	0.077	3.50	5.00
	6.0% SOM	0.00014	0.00150	0.00180	0.120	3.50	5.40
Explosives							
2,4,6 Trinitrotoluene	1.0% SOM	1.60	65	0.24	1,000	130	260
	2.5% SOM	3.70	66	0.58	1,000	130	270
	6.0% SOM	8.10	66	1.40	1,000	130	270
RDX (Hexogen/Cyclonite/1,3,5-trinitro-1,3,5-triazacyclohexane)	1.0% SOM	120	13,000	17	210,000	26,000	49,000(18.7)[sol]
	2.5% SOM	250	13,000	38	210,000	26,000	51,000
	6.0% SOM	540	13,000	85	210,000	27,000	53,000
HMX (Octogen/1,3,5,7-tetrenitro-1,3,5,7-tetrazacyclo-octane)	1.0% SOM	5.70	67,00	0.86	110,000	13,000	23,000(0.35)[vap]
	2.5% SOM	13	67,00	1.90	110,000	13,000	23,000(0.39)[vap]
	6.0% SOM	26	67,00	3.90	110,000	13,000	24,000(0.48)[vap]
Atrazine	1.0% SOM	3.30	610	0.50	9,300	1,200	2,300
	2.5% SOM	7.60	620	1.20	9,400	1,200	2,400
	6.0% SOM	17.40	620	2.70	9,400	1,200	2,400

[vap] – GAC presented exceeds the vapour saturation limit, which is presented in brackets.
[sol] – GAC presented exceeds the soil saturation limit, which is presented in brackets.

VOC and SVOC table continued overleaf

VOC and SVOC table continued from previous page

LQM CIEH General Assessment Criteria: Volatile and Semi-Volatile Organic Compounds							
Determinands		**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**	**POSresi (mg/kg)**	**POSpark (mg/kg)**
Pesticides							
Aldrin	1.0% SOM	5.70	7.30	3.20	170	18	30
	2.5% SOM	6.60	7.40	6.10	170	18	31
	6.0% SOM	7.10	7.50	9.60	170	18	31
Dieldrin	1.0% SOM	0.97	7.00	0.17	170	18	30
	2.5% SOM	2.00	7.30	0.41	170	18	30
	6.0% SOM	3.50	7.40	0.96	170	18	31
Dichlorvos	1.0% SOM	0.032	6.40	0.0049	140	16	26
	2.5% SOM	0.066	6.50	0.0100	140	16	26
	6.0% SOM	0.140	6.60	0.0220	140	16	27
Alpha - Endosulfan	1.0% SOM	7.40	160(0.003)[vap]	1.20	5,600(0.003)[vap]	1,200	2,400
	2.5% SOM	18	280(0.007)[vap]	2.90	7,400(0.007)[vap]	1,200	2,400
	6.0% SOM	41	410(0.016)[vap]	6.80	8,400(0.016)[vap]	1,200	2,400
Beta - Endosulfan	1.0% SOM	7.00	190(0.00007)[vap]	1.10	6,300(0.00007)[vap]	1,200	2,400
	2.5% SOM	17	320(0.0002)[vap]	2.70	7,800(0.0002)[vap]	1,200	2,400
	6.0% SOM	39	440(0.0004)[vap]	6.40	8700	1,200	2,500
Alpha - Hexachlorocyclohexanes	1.0% SOM	0.23	6.90	0.035	170	24	47
	2.5% SOM	0.55	9.20	0.087	180	24	48
	6.0% SOM	1.20	11	0.210	180	24	48
Beta - Hexachlorocyclohexanes	1.0% SOM	0.085	3.70	0.013	65	8.10	15
	2.5% SOM	0.200	3.80	0.032	65	8.10	15
	6.0% SOM	0.460	3.80	0.077	65	8.10	16
Gamma - Hexachlorocyclohexanes	1.0% SOM	0.06	2.90	0.0092	67	8.2	14
	2.5% SOM	0.14	3.30	0.0230	69	8.2	15
	6.0% SOM	0.33	3.50	0.0540	70	8.2	15
Chlorobenzenes							
Chlorobenzene	1.0% SOM	0.46	0.46	5.90	56	11,000	1,300(675)[sol]
	2.5% SOM	1.00	1.00	14	130	13,000	2,000(1520)[sol]
	6.0% SOM	2.40	2.40	32	290	14,000	2,900
1,2-Dichlorobenzene	1.0% SOM	23	24	94	2,000 (571) [sol]	90,000	24,000(571)[sol]
	2.5% SOM	55	57	230	4,800 (1370) [sol]	95,000	36,000(1370)[sol]
	6.0% SOM	130	130	540	11,000 (3240) [sol]	98,000	51,000(3240)[sol]
1,3-Dichlorobenzene	1.0% SOM	0.40	0.44	0.25	30	300	390
	2.5% SOM	1.00	1.10	0.60	73	300	440
	6.0% SOM	2.30	2.50	1.50	170	300	470
1,4-Dichlorobenzene	1.0% SOM	61	61	15	4,400 (224)[vap]	17,000[g]	36,000 (224)[vap]
	2.5% SOM	150	150	37	10,000 (540)[vap]	17,000[g]	36,000 (540)[vap]
	6.0% SOM	350	350	88[g]	25,000 (1280)[vap]	17,000[g]	36,000 (1280)[vap]
1,2,3,-Trichlorobenzene	1.0% SOM	1.50	1.50	4.70	102	1,800	770(134)[vap]
	2.5% SOM	3.60	3.70	12	250	1,800	1,100(330)[vap]
	6.0% SOM	8.60	8.80	28	590	1,800	1,600(789)[vap]
1,2,4,-Trichlorobenzene	1.0% SOM	2.60	2.60	55	220	15,000	1,700(318)[vap]
	2.5% SOM	6.40	6.40	140	530	17,000	2,600(786)[vap]
	6.0% SOM	15	15	320	1,300	19,000	4,000(1880)[vap]
1,3,5,-Trichlorobenzene	1.0% SOM	0.33	0.33	4.70	23	1,700	380(36.7)[vap]
	2.5% SOM	0.81	0.81	12	55	1,700	590(90.8)[vap]
	6.0% SOM	1.90	1.90	140	130	1,800	860(217)[vap]

[vap] – GAC presented exceeds the vapour saturation limit, which is presented in brackets.
[sol] – GAC presented exceeds the soil saturation limit, which is presented in brackets.

VOC and SVOC table continued overleaf

VOC and SVOC table continued from previous page

LQM CIEH General Assessment Criteria: Volatile and Semi-Volatile Organic Compounds							
Determinands		**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**	**POSresi (mg/kg)**	**POSpark (mg/kg)**
Chlorobenzenes (cont.)							
1,2,3,4,- Tetrachlorobenzene	1.0% SOM	15	24	4.40	1,700(122)^{vap}	830	1,500(122)^{vap}
	2.5% SOM	36	56	11	3,080(304)^{vap}	830	1,600
	6.0% SOM	78	120	26	4,400(728)^{vap}	830	1,600
1,2,3,5,- Tetrachlobenzene	1.0% SOM	0.66	0.75	0.38	49(39.4)^{vap}	78	110(39)^{vap}
	2.5% SOM	1.60	1.90	0.90	120(98.1)^{vap}	79	120
	6.0% SOM	3.70	4.30	2.20	240(235)^{vap}	79	130
1,2,4, 5,- Tetrachlobenzene	1.0% SOM	0.33	0.73	0.06	42(19.7)^{sol}	13	25
	2.5% SOM	0.77	1.70	0.16	72(49.1)^{sol}	13	26
	6.0% SOM	1.60	3.50	0.37	96	13	26
Pentachlrobenzene	1.0% SOM	5.80	19	1.20	640(43.0)^{sol}	100	190
	2.5% SOM	12	30	3.10	770(107)^{sol}	100	190
	6.0% SOM	22	38	7.00	830	100	190
Hexachlorobenzene	1.0% SOM	1.80(0.20)^{vap}	4.10 (0.20)^{vap}	0.47	110(0.20)^{vap}	16	30
	2.5% SOM	3.30(0.50)^{vap}	5.70 (0.50)^{vap}	1.10	120	16	30
	6.0% SOM	4.90	6.70 (1.2)^{vap}	2.50	120	16	30
Phenols & Chlorophenols							
BTEX	1.0% SOM	280	750	66	760^{dir}(31,000)	760^{dir}(11,000)	760^{dir}(8,600)
	2.5% SOM	550	1,300	140	1,500^{dir}(35,000)	1,500^{dir}(11,000)	1,500^{dir}(9,700)
	6.0% SOM	1100	2,300	280	3,200^{dir}(37,000)	3,200^{dir}(11,000)	3,200^{dir}(11,000)
Chlorophenols (4 Congeners)	1.0% SOM	0.87	94	0.13	3,500	620	1,100
	2.5% SOM	2.00	150	0.30	4,000	620	1,100
	6.0% SOM	4.50	210	0.70	4,300	620	1,100
Pentachlorophenols	1.0% SOM	0.22	27(16.4)^{vap}	0.03	400	60	110
	2.5% SOM	0.52	29	0.08	400	60	120
	6.0% SOM	1.20	31	0.19	400	60	120
Others							
Carbon Disulphide	1.0% SOM	0.14	0.14	4.80	11	11,000	1,300
	2.5% SOM	0.29	0.29	10	22	11,000	1,900
	6.0% SOM	0.62	0.62	23	47	12,000	2,700
Hexachloro-1,3-Butadiene	1.0% SOM	0.29	0.32	0.25	31	25	48
	2.5% SOM	0.70	0.78	0.61	68	25	50
	6.0% SOM	1.60	1.80	1.40	120	25	51
^{vap} – GAC presented exceeds the vapour saturation limit, which is presented in brackets. ^{sol} – GAC presented exceeds the soil saturation limit, which is presented in brackets.							

VOC and SVOC table continued overleaf

VOC and SVOC table continued from previous page

CL:AIRE General Assessment Criteria: Volatile and Semi-Volatile Organic Compounds					
Determinands		**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**
1,1,2 Trichloroethane	1.0% SOM	0.60	0.88	0.28	94
	2.5% SOM	1.20	1.8	0.61	190
	6.0% SOM	2.70	3.9	1.40	400
1,1-Dichloroethane	1.0% SOM	2.40	2.50	9.20	280
	2.5% SOM	3.90	4.10	17	450
	6.0% SOM	7.40	7.70	35	850
1,1-Dichloroethene	1.0% SOM	0.23	0.23	2.80	26
	2.5% SOM	0.40	0.41	5.60	46
	6.0% SOM	0.82	0.82	12	92
1,2,4-Trimethylbenzene	1.0% SOM	0.35	0.41	0.38	42
	2.5% SOM	0.85	0.99	0.93	99
	6.0% SOM	2.00	2.30	2.20	220
1,2-Dichloropropane	1.0% SOM	0.024	0.024	0.62	3.3
	2.5% SOM	0.042	0.042	1.20	5.9
	6.0% SOM	0.084	0.085	2.60	12
2,4-Dimethylphenol	1.0% SOM	19	210	3.10	16000*
	2.5% SOM	43	410	7.20	24000*
	6.0% SOM	97	730	17	30000*
2,4-Dinitrotoluene	1.0% SOM	1.50	170*	0.22	3700*
	2.5% SOM	3.20	170	0.49	3700*
	6.0% SOM	7.20	170	1.10	3800*
2,6-Dinitrotoluene	1.0% SOM	0.78	78	0.12	1900*
	2.5% SOM	1.70	84	0.27	1900*
	6.0% SOM	3.90	87	0.61	1900*
2-Chloronapthalene	1.0% SOM	3.70	3.80	40	390*
	2.5% SOM	9.20	9.30	98	960*
	6.0% SOM	22	22	230	2200*
Biphenyl	1.0% SOM	66*	220*	14	18000*
	2.5% SOM	160	500*	35	33000*
	6.0% SOM	360	980*	83	48000*
Bis (2-ethylhexyl) phthalate	1.0% SOM	280*	2700*	47*	85000*
	2.5% SOM	610*	2800*	120*	86000*
	6.0% SOM	1100*	2800*	280*	86000*
Bromobenzene	1.0% SOM	0.87	0.91	3.2	97
	2.5% SOM	2.0	2.1	7.6	220
	6.0% SOM	4.7	4.9	18	520
Bromodichloromethane	1.0% SOM	0.016	0.019	0.016	2.1
	2.5% SOM	0.030	0.034	0.032	3.7
	6.0% SOM	0.061	0.070	0.068	7.6
Bromoform	1.0% SOM	2.8	5.2	0.95	760
	2.5% SOM	5.9	11	2.1	1500
	6.0% SOM	13	23	4.6	3100
Butyl benzyl phthalate	1.0% SOM	1400*	42000*	220*	940000*
	2.5% SOM	3300*	44000*	550*	940000*
	6.0% SOM	7200*	44000*	1300*	950000*

*soil concentration above saturation limit

VOC and SVOC table continued overleaf

VOC and SVOC table continued from previous page

CL:AIRE General Assessment Criteria: Volatile and Semi-Volatile Organic Compounds					
Determinands		**RwHP (mg/kg)**	**RwoHP (mg/kg)**	**Allotment (mg/kg)**	**Commercial (mg/kg)**
Chloroethane	1.0% SOM	8.3	8.4	110	960
	2.5% SOM	11	11	200	1300
	6.0% SOM	18	18	380	2100
Chloromethane	1.0% SOM	0.0083	0.0085	0.066	1.0
	2.5% SOM	0.0098	0.0099	0.13	1.2
	6.0% SOM	0.013	0.013	0.23	1.6
***Cis* 1,2 Dichloroethene**	1.0% SOM	0.11	0.12	0.26	14
	2.5% SOM	0.19	0.20	0.50	24
	6.0% SOM	0.37	0.39	1.0	47
Dichloromethane	1.0% SOM	0.58	2.10	0.10	270
	2.5% SOM	0.98	2.80	0.19	360
	6.0% SOM	1.70	4.50	0.34	560
Diethyl Phthalate	1.0% SOM	120*	1800*	19*	150000*
	2.5% SOM	260*	3500*	41*	220000*
	6.0% SOM	570*	6300*	94*	290000*
Di-*n*-butyl phthalate	1.0% SOM	13*	450*	2.00	15000*
	2.5% SOM	31*	450*	5.00	15000*
	6.0% SOM	67*	450*	12	15000*
Di-*n*-octyl phthalate	1.0% SOM	2300*	3400*	940*	89000*
	2.5% SOM	2800*	3400*	2100*	89000*
	6.0% SOM	3100*	3400*	3900*	89000*
Hexachloroethane	1.0% SOM	0.20	0.22	0.27	22*
	2.5% SOM	0.48	0.54	0.67	53*
	6.0% SOM	1.10	1.30	1.60	120*
Isopropylbenzene	1.0% SOM	11	12	32	1400*
	2.5% SOM	27	28	79	3300*
	6.0% SOM	64	67	190	7700*
Methyl *tert*-butyl ether (MTBE)	1.0% SOM	49	73	23	7900
	2.5% SOM	84	120	44	13000
	6.0% SOM	160	220	90	24000
Propylbenzene	1.0% SOM	34	40	34	4100*
	2.5% SOM	82	97	83	9700*
	6.0% SOM	190	230	200	21000*
Styrene	1.0% SOM	8.10	35	1.60	3300*
	2.5% SOM	19	78	3.70	6500*
	6.0% SOM	43	170	8.70	11000*
Total Cresols (2-, 3-, and 4-methylphenol)	1.0% SOM	80	3700	12	160000
	2.5% SOM	180	5400	27	180000*
	6.0% SOM	400	6900	63	180000*
***Trans* 1,2 Dichloroethene**	1.0% SOM	0.19	0.19	0.93	22
	2.5% SOM	0.34	0.35	1.90	40
	6.0% SOM	0.70	0.71	0.24	81
Tributyl tin oxide	1.0% SOM	0.25	1.40	0.042	130*
	2.5% SOM	0.59	3.10	0.100	180*
	6.0% SOM	1.30	5.70	0.240	200*

*soil concentration above saturation limit

C4SL Low Level of Toxicological Concern							
Determinands		RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
1,2-Dichloroethane (Ethylene Dichloride)	1.0% SOM	0.11	0.16	0.054	12	300	300
	2.5% SOM	0.18	0.24	0.10	17	310	330
	6.0% SOM	0.31	0.41	0.19	29	310	380
Cis-1,2-Dichloroethene	1.0% SOM	0.46	0.50	0.89	38	3,800	2,000
	2.5% SOM	0.78	0.84	1.7	64	3,800	2,400
	6.0% SOM	1.5	1.6	3.6	120	3,900	3,100
Tetrachloroethene (PCE)	1.0% SOM	0.31	0.32	2	24	3,200	1,400
	2.5% SOM	0.70	0.71	4.8	55	3,300	1,900
	6.0% SOM	1.60	1.60	11	130	3,400	2,500
Trans-1,2-Dichloroethene	1.0% SOM	0.90	0.93	3.70	69	13,000	5,600
	2.5% SOM	1.60	1.70	7.50	120	13,000	7,000
	6.0% SOM	3.30	3.40	16	260	13,000	9,100
Trichloroethene (TCE)	1.0% SOM	0.0093	0.0097	0.032	0.73	76	41
	2.5% SOM	0.020	0.020	0.072	1.5	78	54
	6.0% SOM	0.043	0.045	0.16	3.4	79	69
Vinyl Chloride (Chloroethene)	1.0% SOM	0.0064	0.015	0.0017	1.1	7.8	18
	2.5% SOM	0.010	0.019	0.0031	1.4	7.8	19
	6.0% SOM	0.017	0.029	0.0058	2.2	7.8	19

9.6. Asbestos

No asbestos or asbestos containing materials (ACM's) are considered acceptable on-site from a human health perspective. Therefore the GAC for asbestos & ACM's within any imported material should be none detected (ND).

APPENDIX I: Waste Hazard Assessment

2 The Long Barn, Norton Farm, Selborne Road, Alton, Hampshire GU34 3NB
0333 600 1221 enquiries@groundandwater.co.uk **groundandwater.co.uk**

Registered Office: Kineton House, 31 Horse Fair, Banbury, Oxfordshire OX16 0AE Registered in England No. 07032001

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.

SL50I-JJU76-LOEP7

Report is invalid if pages are removed.

Job name

25-000096_HWOL (1)

Description/Comments

Project

GWPR6247

Site

Chactonbury Nursery, Rectory Lane, Ashington RH20 3AS

Classified by

Name:
Libby Bennett
Date:
17 Jan 2025 08:49 GMT
Telephone:
01420 463044

Company:
Ground and Water
2 The Long Barn, Norton Farm, Selborne Road, Alton Hampshire, GU34 3NB

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	-

Purpose of classification

2 - Material Characterisation

Address of the waste

Chactonbury Nursery, Rectory Lane, Ashington RH20 3AS **Post Code** RH20 3AS

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Redevelopment of the site

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

Waste created during excavation and construction

Description of the waste

Made Ground

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS402--02012025-0.10		Non Hazardous		3
2	HP401--02012025-0.20		Non Hazardous		5
3	HP402--02012025-0.40		Non Hazardous		7
4	HP403--02012025-0.10		Non Hazardous		9
5	HP408--02012025-0.10		Non Hazardous		11
6	HP408--02012025-0.40		Non Hazardous		15
7	HP409--02012025-0.10		Non Hazardous		17
8	HP410--02012025-0.10		Non Hazardous		23
9	WS405--02012025-0.10		Non Hazardous		27
10	HP404--02012025-0.10		Non Hazardous		35
11	HP411--02012025-0.10		Non Hazardous		40
12	HP411--02012025-0.40		Non Hazardous		45
13	HP412--02012025-0.10		Non Hazardous		50
14	HP413--02012025-0.10		Non Hazardous		55
15	HP414--02012025-0.10		Non Hazardous		61
16	HP415--02012025-0.10		Non Hazardous		66
17	HP415--02012025-0.40		Non Hazardous		71
18	HP405--02012025-0.10		Non Hazardous		76
19	HP406--02012025-0.40		Non Hazardous		78
20	HP407--02012025-0.10		Non Hazardous		80

Related documents

#	Name	Description
1	25-000096_HWOL (1).hwol	i2 Analytical .hwol file used to populate the Job

Report

Created by: Libby Bennett

Created date: 17 Jan 2025 08:49 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	82
Appendix B: Rationale for selection of metal species	86
Appendix C: Version	87

Classification of sample: WS402--02012025-0.10

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

Sample details

Sample name:
WS402--02012025-0.10
Moisture content:
33%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 33% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
3	pH			PH		7	pH		7	pH	7pH		
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		2	mg/kg	23.173	31.052	mg/kg	0.00311 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		11	mg/kg		7.37	mg/kg	0.000737 %	✓	
6	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.6	mg/kg	1.285	0.517	mg/kg	0.0000402 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25	mg/kg	1.126	18.859	mg/kg	0.00189 %	✓	
8	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		10	mg/kg	1.579	10.583	mg/kg	0.00106 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	120	mg/kg		80.4	mg/kg	0.00804 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		35	mg/kg	1.785	41.863	mg/kg	0.00419 %	✓	
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		97	mg/kg	2.469	160.48	mg/kg	0.016 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
16		ethylbenzene											
		601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane											
		603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]											
		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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
19		toluene											
		601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		benzene											
		601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
21		acenaphthylene											
			205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		acenaphthene											
			201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		anthracene											
			204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		0.18	mg/kg		0.121	mg/kg	0.0000121 %	✓	
25		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		0.29	mg/kg		0.194	mg/kg	0.0000194 %	✓	
26		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		0.32	mg/kg		0.214	mg/kg	0.0000214 %	✓	
27		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		0.13	mg/kg		0.0871	mg/kg	0.00000871 %	✓	
28		benzo[ghi]perylene											
			205-883-8	191-24-2		0.21	mg/kg		0.141	mg/kg	0.0000141 %	✓	
29		chrysene											
		601-048-00-0	205-923-4	218-01-9		0.21	mg/kg		0.141	mg/kg	0.0000141 %	✓	
30		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		fluoranthene											
			205-912-4	206-44-0		0.35	mg/kg		0.235	mg/kg	0.0000234 %	✓	
32		fluorene											
			201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		indeno[123-cd]pyrene											
			205-893-2	193-39-5		0.15	mg/kg		0.1	mg/kg	0.00001 %	✓	
34		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
35		phenanthrene											
			201-581-5	85-01-8		0.16	mg/kg		0.107	mg/kg	0.0000107 %	✓	
36		pyrene											
			204-927-3	129-00-0		0.33	mg/kg		0.221	mg/kg	0.0000221 %	✓	
37		chromium in chromium(III) compounds { chromium(III) oxide }											
			215-160-9	1308-38-9		22	mg/kg	1.462	32.154	mg/kg	0.00322 %		
										Total:	0.0403 %		

Key

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

Classification of sample: HP401--02012025-0.20

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

Sample details

Sample name:
HP401--02012025-0.20
Moisture content:
31%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 31% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	pH			PH		7.4 pH		7.4 pH	7.4 pH		
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.6 mg/kg	23.173	25.583 mg/kg	0.00256 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		15 mg/kg		10.35 mg/kg	0.00103 %	✓	
6	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1 mg/kg	1.285	0.887 mg/kg	0.000069 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		59 mg/kg	1.126	45.835 mg/kg	0.00458 %	✓	
8	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15 mg/kg	1.579	16.348 mg/kg	0.00163 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	260 mg/kg		179.4 mg/kg	0.0179 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		37 mg/kg	1.785	45.576 mg/kg	0.00456 %	✓	
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		230 mg/kg	2.469	391.877 mg/kg	0.0392 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
16		ethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		toluene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
20		benzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
24		benzo[a]anthracene				0.19	mg/kg		0.131	mg/kg	0.0000131 %	✓	
		601-033-00-9	200-280-6	56-55-3									
25		benzo[a]pyrene; benzo[def]chrysene				0.3	mg/kg		0.207	mg/kg	0.0000207 %	✓	
		601-032-00-3	200-028-5	50-32-8									
26		benzo[b]fluoranthene				0.34	mg/kg		0.235	mg/kg	0.0000235 %	✓	
		601-034-00-4	205-911-9	205-99-2									
27		benzo[k]fluoranthene				0.15	mg/kg		0.104	mg/kg	0.0000103 %	✓	
		601-036-00-5	205-916-6	207-08-9									
28		benzo[ghi]perylene				0.23	mg/kg		0.159	mg/kg	0.0000159 %	✓	
			205-883-8	191-24-2									
29		chrysene				0.24	mg/kg		0.166	mg/kg	0.0000166 %	✓	
		601-048-00-0	205-923-4	218-01-9									
30		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
31		fluoranthene				0.36	mg/kg		0.248	mg/kg	0.0000248 %	✓	
			205-912-4	206-44-0									
32		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
33		indeno[123-cd]pyrene				0.16	mg/kg		0.11	mg/kg	0.000011 %	✓	
			205-893-2	193-39-5									
34		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
35		phenanthrene				0.13	mg/kg		0.0897	mg/kg	0.00000897 %	✓	
			201-581-5	85-01-8									
36		pyrene				0.34	mg/kg		0.235	mg/kg	0.0000235 %	✓	
			204-927-3	129-00-0									
37		chromium in chromium(III) compounds { chromium(III) oxide }				31	mg/kg	1.462	45.308	mg/kg	0.00453 %		
			215-160-9	1308-38-9									
										Total:	0.0781 %		

Key

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

Classification of sample: HP402--02012025-0.40

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

Sample details

Sample name:
HP402--02012025-0.40
Moisture content:
16%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	pH			PH		8.1 pH		8.1 pH	8.1 pH		
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		0.9 mg/kg	23.173	17.519 mg/kg	0.00175 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		15 mg/kg		12.6 mg/kg	0.00126 %	✓	
6	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		12 mg/kg	1.126	11.349 mg/kg	0.00113 %	✓	
8	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		11 mg/kg	1.579	14.595 mg/kg	0.00146 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	63 mg/kg		52.92 mg/kg	0.00529 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		39 mg/kg	1.785	58.483 mg/kg	0.00585 %	✓	
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		47 mg/kg	2.469	97.488 mg/kg	0.00975 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
17		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
18		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
19		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
20		benzo[b]fluoranthene				0.06	mg/kg		0.0504	mg/kg	0.00000504 %	✓	
		601-034-00-4	205-911-9	205-99-2									
21		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
22		benzo[ghi]perylene				0.12	mg/kg		0.101	mg/kg	0.0000101 %	✓	
			205-883-8	191-24-2									
23		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
24		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
25		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
26		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
27		indeno[123-cd]pyrene				0.11	mg/kg		0.0924	mg/kg	0.00000924 %	✓	
			205-893-2	193-39-5									
28		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
30		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
31		chromium in chromium(III) compounds { chromium(III) oxide }				24	mg/kg	1.462	35.077	mg/kg	0.00351 %		
			215-160-9	1308-38-9									
										Total:	0.0309 %		

Key

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

Classification of sample: HP403--02012025-0.10

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

Sample details

Sample name:
HP403--02012025-0.10
Moisture content:
13%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
3	pH			PH		8.4	pH		8.4	pH	8.4 pH		
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		0.8	mg/kg	23.173	16.128	mg/kg	0.00161 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		13	mg/kg		11.31	mg/kg	0.00113 %	✓	
6	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.5	mg/kg	1.285	0.559	mg/kg	0.0000435 %	✓	
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		31	mg/kg	1.126	30.365	mg/kg	0.00304 %	✓	
8	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9.6	mg/kg	1.579	13.192	mg/kg	0.00132 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	1000	mg/kg		870	mg/kg	0.087 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		32	mg/kg	1.785	49.7	mg/kg	0.00497 %	✓	
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		110	mg/kg	2.469	236.312	mg/kg	0.0236 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		TPH (C6 to C40) petroleum group		TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
16		ethylbenzene											
		601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane											
		603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]											
		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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
19		toluene											
		601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		benzene											
		601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
21		acenaphthylene											
			205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		acenaphthene											
			201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		anthracene											
			204-371-1	120-12-7		0.06	mg/kg		0.0522	mg/kg	0.00000522 %	✓	
24		benzo[a]anthracene											
		601-033-00-9	200-280-6	56-55-3		0.41	mg/kg		0.357	mg/kg	0.0000357 %	✓	
25		benzo[a]pyrene; benzo[def]chrysene											
		601-032-00-3	200-028-5	50-32-8		0.76	mg/kg		0.661	mg/kg	0.0000661 %	✓	
26		benzo[b]fluoranthene											
		601-034-00-4	205-911-9	205-99-2		0.88	mg/kg		0.766	mg/kg	0.0000766 %	✓	
27		benzo[k]fluoranthene											
		601-036-00-5	205-916-6	207-08-9		0.32	mg/kg		0.278	mg/kg	0.0000278 %	✓	
28		benzo[ghi]perylene											
			205-883-8	191-24-2		0.67	mg/kg		0.583	mg/kg	0.0000583 %	✓	
29		chrysene											
		601-048-00-0	205-923-4	218-01-9		0.47	mg/kg		0.409	mg/kg	0.0000409 %	✓	
30		dibenz[a,h]anthracene											
		601-041-00-2	200-181-8	53-70-3		0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
31		fluoranthene											
			205-912-4	206-44-0		0.72	mg/kg		0.626	mg/kg	0.0000626 %	✓	
32		fluorene											
			201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		indeno[123-cd]pyrene											
			205-893-2	193-39-5		0.48	mg/kg		0.418	mg/kg	0.0000418 %	✓	
34		naphthalene											
		601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
35		phenanthrene											
			201-581-5	85-01-8		0.2	mg/kg		0.174	mg/kg	0.0000174 %	✓	
36		pyrene											
			204-927-3	129-00-0		0.87	mg/kg		0.757	mg/kg	0.0000757 %	✓	
37		chromium in chromium(III) compounds { chromium(III) oxide }											
			215-160-9	1308-38-9		27	mg/kg	1.462	39.462	mg/kg	0.00395 %		
										Total:	0.129 %		

Key

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

Classification of sample: HP408--02012025-0.10

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

Sample details

Sample name:
HP408--02012025-0.10
Moisture content:
25%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 25% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		p,p'-DDD		200-783-0	72-54-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
2		p,p'-DDE		200-784-6	72-55-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
3		DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane	602-045-00-7	200-024-3	50-29-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
4		alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide	616-015-00-6	240-110-8	15972-60-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
5		aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
6		azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
7		azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
8		bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate	607-699-00-7		82657-04-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
9		1,2,3-trichlorobenzene		201-757-1	87-61-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
10		1,3,5-trichlorobenzene		203-608-6	108-70-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
11		chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
12		chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
13		chlorothalonil (ISO); tetrachloroisophthalonitrile	608-014-00-4	217-588-1	1897-45-6		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
14		carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-044-00-6	212-324-1	786-19-6									
15		cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-253-00-1	269-855-7	68359-37-5									
16		cypermethrin cis/trans +/- 80/20; (RS)-a-cyano-3-phenoxybenzyl (1RS; 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-433-00-X	257-842-9	52315-07-8									
17		lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-252-00-6	415-130-7	91465-08-6									
18		dichlobenil (ISO); 2,6-dichlorobenzonitrile				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		608-015-00-X	214-787-5	1194-65-6									
19		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
20		dieldrin (ISO)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
21		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-051-00-4	200-480-3	60-51-5									
22		deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-319-00-X	258-256-6	52918-63-5									
23		demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-028-00-9	206-053-8	298-03-3									
24		demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-029-00-4	204-801-8	126-75-0									
25		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-040-00-4	206-373-8	333-41-5									
26		heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-063-00-5	213-831-0	1024-57-3									
27		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-047-00-2	209-242-3	563-12-2									
28		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-122-00-X	253-855-9	38260-54-7									
29		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-048-00-8	200-231-9	55-38-9									
30		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-054-00-0	204-524-2	122-14-5									
31		isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-050-00-4	207-366-2	465-73-6									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
32		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]	015-041-00-X	204-497-7	121-75-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
33		methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]	015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
34		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate	015-020-00-5	232-095-1	7786-34-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
35		omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate	015-066-00-6	214-197-8	1113-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
36		o,p'-DDD		200-166-6	53-19-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
37		o,p'-DDE		222-318-0	3424-82-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
38		o,p'-DDT		212-332-5	789-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
39		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate	015-034-00-1	200-271-7	56-38-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
40		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate	015-035-00-7	206-050-1	298-00-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
41		pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
42		pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	609-042-00-X	254-938-2	40487-42-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
43		phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate	015-033-00-6	206-052-2	298-02-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
44		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate	015-067-00-1	218-996-2	2310-17-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
45		pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate	015-099-00-6	245-704-0	23505-41-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
46		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate	015-134-00-5	249-528-5	29232-93-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
47		propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide	616-055-00-4	245-951-4	23950-58-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
48		trans-isopropyl-3-[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)	015-136-00-6	250-517-2	31218-83-4		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
49		phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate	015-022-00-6	236-116-5	13171-21-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
50		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate	015-140-00-8	245-986-5	24017-47-8		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
51		tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-044-00-0	204-178-2	117-18-0									
52		triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		606-037-00-4	256-103-8	43121-43-3									
53		trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-046-00-1	216-428-8	1582-09-8									
54		chlordane (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-047-00-8	200-349-0	57-74-9									
55		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
56		permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		613-058-00-2	258-067-9	52645-53-1									
57		endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-051-00-X	200-775-7	72-20-8									
58		hexachlorocyclohexanes, including lindane				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
										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

Classification of sample: HP408--02012025-0.40

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

Sample details

Sample name:
HP408--02012025-0.40
Moisture content:
16%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	pH			PH		6.9 pH		6.9 pH	6.9 pH		
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		0.8 mg/kg	23.173	15.572 mg/kg	0.00156 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		21 mg/kg		17.64 mg/kg	0.00176 %	✓	
6	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		16 mg/kg	1.126	15.132 mg/kg	0.00151 %	✓	
8	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		7.1 mg/kg	1.579	9.42 mg/kg	0.000942 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	95 mg/kg		79.8 mg/kg	0.00798 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		41 mg/kg	1.785	61.482 mg/kg	0.00615 %	✓	
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		48 mg/kg	2.469	99.562 mg/kg	0.00996 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
18		benzo[a]anthracene				0.1	mg/kg		0.084	mg/kg	0.0000084 %	✓	
		601-033-00-9	200-280-6	56-55-3									
19		benzo[a]pyrene; benzo[def]chrysene				0.07	mg/kg		0.0588	mg/kg	0.00000588 %	✓	
		601-032-00-3	200-028-5	50-32-8									
20		benzo[b]fluoranthene				0.16	mg/kg		0.134	mg/kg	0.0000134 %	✓	
		601-034-00-4	205-911-9	205-99-2									
21		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
22		benzo[ghi]perylene				0.09	mg/kg		0.0756	mg/kg	0.00000756 %	✓	
			205-883-8	191-24-2									
23		chrysene				0.12	mg/kg		0.101	mg/kg	0.0000101 %	✓	
		601-048-00-0	205-923-4	218-01-9									
24		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
25		fluoranthene				0.18	mg/kg		0.151	mg/kg	0.0000151 %	✓	
			205-912-4	206-44-0									
26		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
27		indeno[123-cd]pyrene				0.17	mg/kg		0.143	mg/kg	0.0000143 %	✓	
			205-893-2	193-39-5									
28		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
29		phenanthrene				0.07	mg/kg		0.0588	mg/kg	0.00000588 %	✓	
			201-581-5	85-01-8									
30		pyrene				0.13	mg/kg		0.109	mg/kg	0.0000109 %	✓	
			204-927-3	129-00-0									
31		chromium in chromium(III) compounds { chromium(III) oxide }				22	mg/kg	1.462	32.154	mg/kg	0.00322 %		
			215-160-9	1308-38-9									
										Total:	0.034 %		

Key

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

Classification of sample: HP409--02012025-0.10

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

Sample details

Sample name:
HP409--02012025-0.10
Moisture content:
22%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 22% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
3	pH			PH		6.8	pH		6.8	pH	6.8 pH		
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		0.8	mg/kg	23.173	14.46	mg/kg	0.00145 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		17	mg/kg		13.26	mg/kg	0.00133 %	✓	
6	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		18	mg/kg	1.126	15.807	mg/kg	0.00158 %	✓	
8	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		7.7	mg/kg	1.579	9.486	mg/kg	0.000949 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	97	mg/kg		75.66	mg/kg	0.00757 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		39	mg/kg	1.785	54.305	mg/kg	0.00543 %	✓	
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		74	mg/kg	2.469	142.528	mg/kg	0.0143 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
15	TPH (C6 to C40) petroleum group			TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
16	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
17	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
18	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8 µg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
19	toluene	601-021-00-3	203-625-9	108-88-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
20	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
21	acenaphthylene		205-917-1	208-96-8		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
22	acenaphthene		201-469-6	83-32-9		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
23	anthracene		204-371-1	120-12-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
24	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.09 mg/kg		0.0702 mg/kg	0.00000702 %	✓	
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.13 mg/kg		0.101 mg/kg	0.0000101 %	✓	
26	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.15 mg/kg		0.117 mg/kg	0.0000117 %	✓	
27	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.06 mg/kg		0.0468 mg/kg	0.00000468 %	✓	
28	benzo[ghi]perylene		205-883-8	191-24-2		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
29	chrysene	601-048-00-0	205-923-4	218-01-9		0.08 mg/kg		0.0624 mg/kg	0.00000624 %	✓	
30	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
31	fluoranthene		205-912-4	206-44-0		0.2 mg/kg		0.156 mg/kg	0.0000156 %	✓	
32	fluorene		201-695-5	86-73-7		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
33	indeno[123-cd]pyrene		205-893-2	193-39-5		0.13 mg/kg		0.101 mg/kg	0.0000101 %	✓	
34	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
35	phenanthrene		201-581-5	85-01-8		0.14 mg/kg		0.109 mg/kg	0.0000109 %	✓	
36	pyrene		204-927-3	129-00-0		0.16 mg/kg		0.125 mg/kg	0.0000125 %	✓	
37	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		27 mg/kg	1.462	39.462 mg/kg	0.00395 %		
38	p,p'-DDD		200-783-0	72-54-8		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
39	p,p'-DDE		200-784-6	72-55-9		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
40	DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane	602-045-00-7	200-024-3	50-29-3		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
41		alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide	616-015-00-6	240-110-8	15972-60-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
42		aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
43		azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
44		azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
45		bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate	607-699-00-7		82657-04-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
46		1,2,3-trichlorobenzene		201-757-1	87-61-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
47		1,3,5-trichlorobenzene		203-608-6	108-70-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
48		chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
49		chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
50		chlorothalonil (ISO); tetrachloroisophthalonitrile	608-014-00-4	217-588-1	1897-45-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
51		carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate	015-044-00-6	212-324-1	786-19-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
52		cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	607-253-00-1	269-855-7	68359-37-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
53		cypermethrin cis/trans +/- 80/20; (RS)-a-cyano-3-phenoxybenzyl (1RS; 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	607-433-00-X	257-842-9	52315-07-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
54		lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)	607-252-00-6	415-130-7	91465-08-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
55		dichlobenil (ISO); 2,6-dichlorobenzonitrile	608-015-00-X	214-787-5	1194-65-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
56		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate	015-019-00-X	200-547-7	62-73-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
57		dieldrin (ISO)	602-049-00-9	200-484-5	60-57-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
58		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate	015-051-00-4	200-480-3	60-51-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
59		deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate	607-319-00-X	258-256-6	52918-63-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
60		demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate	015-028-00-9	206-053-8	298-03-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
61		demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate	015-029-00-4	204-801-8	126-75-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
62		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate	015-040-00-4	206-373-8	333-41-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
63		heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane	602-063-00-5	213-831-0	1024-57-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
64		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion	015-047-00-2	209-242-3	563-12-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
65		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate	015-122-00-X	253-855-9	38260-54-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
66		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate	015-048-00-8	200-231-9	55-38-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
67		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate	015-054-00-0	204-524-2	122-14-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
68		isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene	602-050-00-4	207-366-2	465-73-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
69		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]	015-041-00-X	204-497-7	121-75-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
70		methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]	015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
71		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate	015-020-00-5	232-095-1	7786-34-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
72		omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate	015-066-00-6	214-197-8	1113-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
73		o,p'-DDD		200-166-6	53-19-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
74		o,p'-DDE		222-318-0	3424-82-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
75		o,p'-DDT		212-332-5	789-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
76		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate	015-034-00-1	200-271-7	56-38-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
77		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate	015-035-00-7	206-050-1	298-00-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
78		pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
79		pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	609-042-00-X	254-938-2	40487-42-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
80		phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate	015-033-00-6	206-052-2	298-02-2		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
81		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-067-00-1	218-996-2	2310-17-0									
82		pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-099-00-6	245-704-0	23505-41-1									
83		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-134-00-5	249-528-5	29232-93-7									
84		propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		616-055-00-4	245-951-4	23950-58-5									
85		trans-isopropyl-3-[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-136-00-6	250-517-2	31218-83-4									
86		phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-022-00-6	236-116-5	13171-21-6									
87		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-140-00-8	245-986-5	24017-47-8									
88		tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-044-00-0	204-178-2	117-18-0									
89		triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		606-037-00-4	256-103-8	43121-43-3									
90		trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-046-00-1	216-428-8	1582-09-8									
91		chlordane (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-047-00-8	200-349-0	57-74-9									
92		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
93		permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		613-058-00-2	258-067-9	52645-53-1									
94		endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-051-00-X	200-775-7	72-20-8									
95		hexachlorocyclohexanes, including lindane				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
										Total:	0.0385 %		

Key

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

Classification of sample: HP410--02012025-0.10

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

Sample details

Sample name:
HP410--02012025-0.10
Moisture content:
14%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		p,p'-DDD		200-783-0	72-54-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
2		p,p'-DDE		200-784-6	72-55-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
3		DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane	602-045-00-7	200-024-3	50-29-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
4		alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide	616-015-00-6	240-110-8	15972-60-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
5		aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
6		azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
7		azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
8		bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate	607-699-00-7		82657-04-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
9		1,2,3-trichlorobenzene		201-757-1	87-61-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
10		1,3,5-trichlorobenzene		203-608-6	108-70-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
11		chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
12		chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
13		chlorothalonil (ISO); tetrachloroisophthalonitrile	608-014-00-4	217-588-1	1897-45-6		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
14		carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-044-00-6	212-324-1	786-19-6									
15		cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-253-00-1	269-855-7	68359-37-5									
16		cypermethrin cis/trans +/- 80/20; (RS)-a-cyano-3-phenoxybenzyl (1RS; 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-433-00-X	257-842-9	52315-07-8									
17		lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-252-00-6	415-130-7	91465-08-6									
18		dichlobenil (ISO); 2,6-dichlorobenzonitrile				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		608-015-00-X	214-787-5	1194-65-6									
19		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
20		dieldrin (ISO)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
21		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-051-00-4	200-480-3	60-51-5									
22		deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-319-00-X	258-256-6	52918-63-5									
23		demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-028-00-9	206-053-8	298-03-3									
24		demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-029-00-4	204-801-8	126-75-0									
25		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-040-00-4	206-373-8	333-41-5									
26		heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-063-00-5	213-831-0	1024-57-3									
27		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-047-00-2	209-242-3	563-12-2									
28		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-122-00-X	253-855-9	38260-54-7									
29		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-048-00-8	200-231-9	55-38-9									
30		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-054-00-0	204-524-2	122-14-5									
31		isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-050-00-4	207-366-2	465-73-6									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
32		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]	015-041-00-X	204-497-7	121-75-5		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
33		methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]	015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
34		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate	015-020-00-5	232-095-1	7786-34-7		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
35		omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate	015-066-00-6	214-197-8	1113-02-6		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
36		o,p'-DDD		200-166-6	53-19-0		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
37		o,p'-DDE		222-318-0	3424-82-6		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
38		o,p'-DDT		212-332-5	789-02-6		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
39		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate	015-034-00-1	200-271-7	56-38-2		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
40		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate	015-035-00-7	206-050-1	298-00-0		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
41		pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
42		pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	609-042-00-X	254-938-2	40487-42-1		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
43		phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate	015-033-00-6	206-052-2	298-02-2		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
44		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate	015-067-00-1	218-996-2	2310-17-0		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
45		pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate	015-099-00-6	245-704-0	23505-41-1		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
46		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate	015-134-00-5	249-528-5	29232-93-7		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
47		propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide	616-055-00-4	245-951-4	23950-58-5		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
48		trans-isopropyl-3-[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)	015-136-00-6	250-517-2	31218-83-4		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
49		phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate	015-022-00-6	236-116-5	13171-21-6		<10 µg/kg		<0.01 mg/kg	<0.000001 %		<**LOD**
50		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate	015-140-00-8	245-986-5	24017-47-8		<10 µg/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
		EU CLP index number	EC Number	CAS Number									
51		tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-044-00-0	204-178-2	117-18-0									
52		triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		606-037-00-4	256-103-8	43121-43-3									
53		trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-046-00-1	216-428-8	1582-09-8									
54		chlordane (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-047-00-8	200-349-0	57-74-9									
55		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
56		permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		613-058-00-2	258-067-9	52645-53-1									
57		endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-051-00-X	200-775-7	72-20-8									
58		hexachlorocyclohexanes, including lindane				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
										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

Classification of sample: WS405--02012025-0.10

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

Sample details

Sample name:
WS405--02012025-0.10
Moisture content:
16%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
2		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
4		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
5		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
6		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
7		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
11		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.05	mg/kg		0.042	mg/kg	0.0000042 %	✓	
12		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.08	mg/kg		0.0672	mg/kg	0.00000672 %	✓	
13		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
14		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD

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		EU CLP index number	EC Number	CAS Number									
17		fluoranthene				0.07	mg/kg		0.0588	mg/kg	0.00000588 %	✓	
			205-912-4	206-44-0									
18		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
19		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
22		pyrene				0.07	mg/kg		0.0588	mg/kg	0.00000588 %	✓	
			204-927-3	129-00-0									
23		p,p'-DDD				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-783-0	72-54-8									
24		p,p'-DDE				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-784-6	72-55-9									
25		DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-045-00-7	200-024-3	50-29-3									
26		alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		616-015-00-6	240-110-8	15972-60-8									
27		aldrin (ISO)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-048-00-3	206-215-8	309-00-2									
28		azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-056-00-1	220-147-6	2642-71-9									
29		azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-039-00-9	201-676-1	86-50-0									
30		bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		607-699-00-7		82657-04-3									
31		1,2,3-trichlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-757-1	87-61-6									
32		1,3,5-trichlorobenzene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-608-6	108-70-3									
33		chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-071-00-3	207-432-0	470-90-6									
34		chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-084-00-4	220-864-4	2921-88-2									
35		chlorothalonil (ISO); tetrachloroisophthalonitrile				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		608-014-00-4	217-588-1	1897-45-6									
36		carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		015-044-00-6	212-324-1	786-19-6									
37		cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		607-253-00-1	269-855-7	68359-37-5									
38		cypermethrin cis/trans +/- 80/20; (RS)-a-cyano-3-phenoxybenzyl (1RS; 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		607-433-00-X	257-842-9	52315-07-8									
39		lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD

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		EU CLP index number	EC Number	CAS Number									
		dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)											
		607-252-00-6	415-130-7	91465-08-6									
40		dichlobenil (ISO); 2,6-dichlorobenzonitrile				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		608-015-00-X	214-787-5	1194-65-6									
41		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
42		dieldrin (ISO)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
43		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-051-00-4	200-480-3	60-51-5									
44		deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-319-00-X	258-256-6	52918-63-5									
45		demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-028-00-9	206-053-8	298-03-3									
46		demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-029-00-4	204-801-8	126-75-0									
47		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-040-00-4	206-373-8	333-41-5									
48		heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-063-00-5	213-831-0	1024-57-3									
49		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-047-00-2	209-242-3	563-12-2									
50		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-122-00-X	253-855-9	38260-54-7									
51		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-048-00-8	200-231-9	55-38-9									
52		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-054-00-0	204-524-2	122-14-5									
53		isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-050-00-4	207-366-2	465-73-6									
54		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-041-00-X	204-497-7	121-75-5									
55		methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]									
56		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-020-00-5	232-095-1	7786-34-7									
57		omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-066-00-6	214-197-8	1113-02-6									
58		o,p'-DDD				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			200-166-6	53-19-0									

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		EU CLP index number	EC Number	CAS Number									
59		o,p'-DDE				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			222-318-0	3424-82-6									
60		o,p'-DDT				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			212-332-5	789-02-6									
61		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-034-00-1	200-271-7	56-38-2									
62		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-035-00-7	206-050-1	298-00-0									
63		pentachlorobenzene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-074-00-5	210-172-0	608-93-5									
64		pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-042-00-X	254-938-2	40487-42-1									
65		phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-033-00-6	206-052-2	298-02-2									
66		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-067-00-1	218-996-2	2310-17-0									
67		pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-099-00-6	245-704-0	23505-41-1									
68		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-134-00-5	249-528-5	29232-93-7									
69		propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		616-055-00-4	245-951-4	23950-58-5									
70		trans-isopropyl-3-[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-136-00-6	250-517-2	31218-83-4									
71		phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-022-00-6	236-116-5	13171-21-6									
72		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-140-00-8	245-986-5	24017-47-8									
73		tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-044-00-0	204-178-2	117-18-0									
74		triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		606-037-00-4	256-103-8	43121-43-3									
75		trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-046-00-1	216-428-8	1582-09-8									
76		chlordane (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-047-00-8	200-349-0	57-74-9									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
77		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite	602-052-00-5	204-079-4	115-29-7		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
78		permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	613-058-00-2	258-067-9	52645-53-1		<20	µg/kg		<0.02	mg/kg	<0.000002 %		<LOD
79		endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene	602-051-00-X	200-775-7	72-20-8		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
80		hexachlorocyclohexanes, including lindane	602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1		<30	µg/kg		<0.03	mg/kg	<0.000003 %		<LOD
81		bromodichloromethane		200-856-7	75-27-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
82		bromobenzene	602-060-00-9	203-623-8	108-86-1		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
83		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
84		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
85		n-butylbenzene		203-209-7	104-51-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
86		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
87		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
88		chloroethane	602-009-00-0	200-830-5	75-00-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
89		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
90		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
91		dibromochloromethane		204-704-0	124-48-1		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
92		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
93		dibromomethane	602-003-00-8	200-824-2	74-95-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
94		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
95		2,2-dichloropropane		209-832-0	594-20-7		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
96		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
97		1,3-dichloropropane		205-531-3	142-28-9		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
98		cumene	601-024-00-X	202-704-5	98-82-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
99		1-isopropyl-4-methylbenzene; p-cymene	601-094-00-1	202-796-7	99-87-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
100		propylbenzene	601-097-00-8	203-132-9	103-65-1		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
101		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
102		sec-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									
103		styrene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
104		tert-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
105		bromoform; tribromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
106		1,1,1-trichloroethane; methyl chloroform				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
107		trichloroethylene; trichloroethene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
108		trichlorofluoromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
109		1,1,2,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
110		tetrachloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
111		carbon tetrachloride; tetrachloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
112		1,1,1,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
113		1,2,4-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
114		vinyl chloride; chloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
115		1,1,2-trichloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
116		chloroform; trichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
117		trans-1,3-dichloropropene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
118		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
119		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
120		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
121		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
122		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
123		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
124		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
125		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
126		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
127		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
128		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
129		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
130		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
131		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
132		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3									
133		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
134		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
135		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			200-666-4	67-72-1									
136		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
137		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
138		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
139		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
140		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-857-5	88-75-5									
141		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-137-00-9	203-401-0	106-47-8									
142		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			230-281-7	7005-72-3									
143		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
144		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
145		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
146		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
147		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
148		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
149		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
150		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
151		1,1-dichloroethane and 1,2-dichloroethane (combined)				<12 µg/kg		<0.012 mg/kg	<0.0000012 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3							
								Total:	0.00182 %		

Key

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

Classification of sample: HP404--02012025-0.10

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

Sample details

Sample name:
HP404--02012025-0.10
Moisture content:
16%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
2		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
4		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
5		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
6		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
7		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
8		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
9		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
10		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
11		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
12		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
13		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
14		benzo[ghi]perylene		205-883-8	191-24-2		0.06	mg/kg		0.0504	mg/kg	0.00000504 %	✓	
15		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<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
		EU CLP index number	EC Number	CAS Number									
17		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
18		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
19		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
22		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
23		1,2,3-trichlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-757-1	87-61-6									
24		bromodichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
25		bromobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
26		bromomethane; methylbromide				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
27		mesitylene; 1,3,5-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
28		n-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			203-209-7	104-51-8									
29		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
30		chlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
31		chloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
32		chloromethane; methyl chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
33		1,2-dibromoethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
34		dibromochloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
35		1,2-dibromo-3-chloropropane				<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
36		dibromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
37		1,1-dichloroethylene; vinylidene chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
38		2,2-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			209-832-0	594-20-7									
39		1,1-dichloropropene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
40		1,3-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-531-3	142-28-9									
41		cumene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
42		1-isopropyl-4-methylbenzene; p-cymene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
43		propylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
44		1,2-dichloropropane; propylene dichloride				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
45		sec-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
46		styrene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
47		tert-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
48		bromoform; tribromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
49		1,1,1-trichloroethane; methyl chloroform				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
50		trichloroethylene; trichloroethene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
51		trichlorofluoromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
52		1,1,2,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
53		tetrachloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
54		carbon tetrachloride; tetrachloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
55		1,1,1,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
56		1,2,4-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
57		vinyl chloride; chloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
58		1,1,2-trichloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
59		chloroform; trichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
60		trans-1,3-dichloropropene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
61		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
62		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
63		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
64		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
65		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
66		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
67		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
68		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
70		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
71		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
72		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
73		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
75		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3									
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
77		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
78		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			200-666-4	67-72-1									
79		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
80		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
81		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
82		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
83		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-857-5	88-75-5									
84		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-137-00-9	203-401-0	106-47-8									
85		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			230-281-7	7005-72-3									
86		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
88		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
90		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
91		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
92		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
93		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
94		1,1-dichloroethane and 1,2-dichloroethane (combined)				<12 µg/kg		<0.012 mg/kg	<0.0000012 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3							
								Total:	0.00175 %		

Key

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

Classification of sample: HP411--02012025-0.10

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

Sample details

Sample name:
HP411--02012025-0.10
Moisture content:
20%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
2	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
4		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
5		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
6		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
7	●	acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
8	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
9	●	anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
10		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.13	mg/kg		0.104	mg/kg	0.0000104 %	✓	
11		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.2	mg/kg		0.16	mg/kg	0.000016 %	✓	
12		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.24	mg/kg		0.192	mg/kg	0.0000192 %	✓	
13		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.09	mg/kg		0.072	mg/kg	0.0000072 %	✓	
14	●	benzo[ghi]perylene		205-883-8	191-24-2		0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
15		chrysene	601-048-00-0	205-923-4	218-01-9		0.14	mg/kg		0.112	mg/kg	0.0000112 %	✓	
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<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
		EU CLP index number	EC Number	CAS Number									
17		fluoranthene				0.27	mg/kg		0.216	mg/kg	0.0000216 %	✓	
			205-912-4	206-44-0									
18		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
19		indeno[123-cd]pyrene				0.12	mg/kg		0.096	mg/kg	0.0000096 %	✓	
			205-893-2	193-39-5									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		phenanthrene				0.09	mg/kg		0.072	mg/kg	0.0000072 %	✓	
			201-581-5	85-01-8									
22		pyrene				0.26	mg/kg		0.208	mg/kg	0.0000208 %	✓	
			204-927-3	129-00-0									
23		1,2,3-trichlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-757-1	87-61-6									
24		bromodichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
25		bromobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
26		bromomethane; methylbromide				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
27		mesitylene; 1,3,5-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
28		n-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			203-209-7	104-51-8									
29		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
30		chlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
31		chloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
32		chloromethane; methyl chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
33		1,2-dibromoethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
34		dibromochloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
35		1,2-dibromo-3-chloropropane				<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
36		dibromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
37		1,1-dichloroethylene; vinylidene chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
38		2,2-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			209-832-0	594-20-7									
39		1,1-dichloropropene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
40		1,3-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-531-3	142-28-9									
41		cumene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
42		1-isopropyl-4-methylbenzene; p-cymene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
43		propylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
44		1,2-dichloropropane; propylene dichloride				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
45		sec-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
46		styrene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
47		tert-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
48		bromoform; tribromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
49		1,1,1-trichloroethane; methyl chloroform				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
50		trichloroethylene; trichloroethene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
51		trichlorofluoromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
52		1,1,2,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
53		tetrachloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
54		carbon tetrachloride; tetrachloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
55		1,1,1,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
56		1,2,4-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
57		vinyl chloride; chloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
58		1,1,2-trichloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
59		chloroform; trichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
60		trans-1,3-dichloropropene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
61		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
62		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
63		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
64		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
65		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
66		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
67		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
68		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
70		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
71		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
72		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
73		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
75	●	dimethyl phthalate		205-011-6	131-11-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
77		2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
78	●	hexachloroethane		200-666-4	67-72-1		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
79		3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
80	●	2-methyl naphthalene		202-078-3	91-57-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
81		nitrobenzene	609-003-00-7	202-716-0	98-95-3		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
82		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
83	●	2-nitrophenol		201-857-5	88-75-5		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
84		4-chloroaniline	612-137-00-9	203-401-0	106-47-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
85	●	4-chlorophenylphenylether		230-281-7	7005-72-3		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
86		phenol	604-001-00-2	203-632-7	108-95-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
88		2,4,5-trichlorophenol	604-017-00-X	202-467-8	95-95-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
89		2,4,6-trichlorophenol	604-018-00-5	201-795-9	88-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
90		2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
91		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
92		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
93		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<10	µg/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
		EU CLP index number	EC Number	CAS Number							
94		1,1-dichloroethane and 1,2-dichloroethane (combined)				<12 µg/kg		<0.012 mg/kg	<0.0000012 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3							
								Total:	0.00183 %		

Key

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

Classification of sample: HP411--02012025-0.40

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

Sample details

Sample name:
HP411--02012025-0.40
Moisture content:
17%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		**<LOD**
2		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
4		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		**<LOD**
5		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
6		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
7		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
8		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
9		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
10		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.06	mg/kg		0.0498	mg/kg	0.00000498 %	✓	
11		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.08	mg/kg		0.0664	mg/kg	0.00000664 %	✓	
12		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.12	mg/kg		0.0996	mg/kg	0.00000996 %	✓	
13		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
14		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
15		chrysene	601-048-00-0	205-923-4	218-01-9		0.06	mg/kg		0.0498	mg/kg	0.00000498 %	✓	
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<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
		EU CLP index number	EC Number	CAS Number									
17		fluoranthene				0.09	mg/kg		0.0747	mg/kg	0.00000747 %	✓	
			205-912-4	206-44-0									
18		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
19		indeno[123-cd]pyrene				0.06	mg/kg		0.0498	mg/kg	0.00000498 %	✓	
			205-893-2	193-39-5									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
22		pyrene				0.09	mg/kg		0.0747	mg/kg	0.00000747 %	✓	
			204-927-3	129-00-0									
23		1,2,3-trichlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-757-1	87-61-6									
24		bromodichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
25		bromobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
26		bromomethane; methylbromide				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
27		mesitylene; 1,3,5-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
28		n-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			203-209-7	104-51-8									
29		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
30		chlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
31		chloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
32		chloromethane; methyl chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
33		1,2-dibromoethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
34		dibromochloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
35		1,2-dibromo-3-chloropropane				<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
36		dibromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
37		1,1-dichloroethylene; vinylidene chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
38		2,2-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			209-832-0	594-20-7									
39		1,1-dichloropropene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
40		1,3-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-531-3	142-28-9									
41		cumene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
42		1-isopropyl-4-methylbenzene; p-cymene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
43		propylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
44		1,2-dichloropropane; propylene dichloride				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
45		sec-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
46		styrene	601-026-00-0	202-851-5	100-42-5		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
47		tert-butylbenzene		202-632-4	98-06-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
48		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
49		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
50		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
51		trichlorofluoromethane		200-892-3	75-69-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
52		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
53		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
54		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
55		1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
56		1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
57		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
58		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
59		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
60		trans-1,3-dichloropropene		431-460-4	10061-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
61		aniline	612-008-00-7	200-539-3	62-53-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
62		anthraquinone	606-151-00-4	201-549-0	84-65-1		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
63		azobenzene	611-001-00-6	203-102-5	103-33-3		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
64		BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
65		bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
66		bis(2-chloroethoxy)methane		203-920-2	111-91-1		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
67		4-bromophenylphenylether		202-952-4	101-55-3		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
68		carbazole		201-696-0	86-74-8		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6	59-50-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
70		2-chloronaphthalene		202-079-9	91-58-7		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
71		dibenzofuran		205-071-3	132-64-9		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
72		2,4-dichlorophenol	604-011-00-7	204-429-6	120-83-2		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
73		diethyl phthalate		201-550-6	84-66-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
74		dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
75		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3									
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
77		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
78		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			200-666-4	67-72-1									
79		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
80		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
81		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
82		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
83		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-857-5	88-75-5									
84		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-137-00-9	203-401-0	106-47-8									
85		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			230-281-7	7005-72-3									
86		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
88		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
90		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
91		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
92		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
93		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
94		1,1-dichloroethane and 1,2-dichloroethane (combined)				<12 µg/kg		<0.012 mg/kg	<0.0000012 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3							
								Total:	0.00176 %		

Key

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

Classification of sample: HP412--02012025-0.10

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

Sample details

Sample name:
HP412--02012025-0.10
Moisture content:
21%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 21% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		320 mg/kg		252.8 mg/kg	0.0253 %	✓	
2	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
4		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8 µg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
5		toluene	601-021-00-3	203-625-9	108-88-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
6		benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
7	●	acenaphthylene		205-917-1	208-96-8		0.11 mg/kg		0.0869 mg/kg	0.00000869 %	✓	
8	●	acenaphthene		201-469-6	83-32-9		0.1 mg/kg		0.079 mg/kg	0.0000079 %	✓	
9	●	anthracene		204-371-1	120-12-7		0.39 mg/kg		0.308 mg/kg	0.0000308 %	✓	
10		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		1.8 mg/kg		1.422 mg/kg	0.000142 %	✓	
11		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		3 mg/kg		2.37 mg/kg	0.000237 %	✓	
12		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		3.5 mg/kg		2.765 mg/kg	0.000276 %	✓	
13		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		1.1 mg/kg		0.869 mg/kg	0.0000869 %	✓	
14	●	benzo[ghi]perylene		205-883-8	191-24-2		1.8 mg/kg		1.422 mg/kg	0.000142 %	✓	
15		chrysene	601-048-00-0	205-923-4	218-01-9		1.9 mg/kg		1.501 mg/kg	0.00015 %	✓	
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.36 mg/kg		0.284 mg/kg	0.0000284 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
17	●	fluoranthene		205-912-4	206-44-0		3.4	mg/kg		2.686	mg/kg	0.000269 %	✓	
18	●	fluorene		201-695-5	86-73-7		0.1	mg/kg		0.079	mg/kg	0.0000079 %	✓	
19	●	indeno[123-cd]pyrene		205-893-2	193-39-5		1.6	mg/kg		1.264	mg/kg	0.000126 %	✓	
20		naphthalene	601-052-00-2	202-049-5	91-20-3		0.05	mg/kg		0.0395	mg/kg	0.00000395 %	✓	
21	●	phenanthrene		201-581-5	85-01-8		1.2	mg/kg		0.948	mg/kg	0.0000948 %	✓	
22	●	pyrene		204-927-3	129-00-0		3.2	mg/kg		2.528	mg/kg	0.000253 %	✓	
23	●	1,2,3-trichlorobenzene		201-757-1	87-61-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
24	●	bromodichloromethane		200-856-7	75-27-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
25		bromobenzene	602-060-00-9	203-623-8	108-86-1		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
26		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
27		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
28	●	n-butylbenzene		203-209-7	104-51-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
29		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
30		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
31		chloroethane	602-009-00-0	200-830-5	75-00-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
32		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
33		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
34	●	dibromochloromethane		204-704-0	124-48-1		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
35		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
36		dibromomethane	602-003-00-8	200-824-2	74-95-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
37		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
38	●	2,2-dichloropropane		209-832-0	594-20-7		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
39		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40	●	1,3-dichloropropane		205-531-3	142-28-9		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41		cumene	601-024-00-X	202-704-5	98-82-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
42		1-isopropyl-4-methylbenzene; p-cymene	601-094-00-1	202-796-7	99-87-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
43		propylbenzene	601-097-00-8	203-132-9	103-65-1		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
44		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
45	●	sec-butylbenzene		205-227-0	135-98-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
46		styrene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
47		tert-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
48		bromoform; tribromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
49		1,1,1-trichloroethane; methyl chloroform				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
50		trichloroethylene; trichloroethene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
51		trichlorofluoromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
52		1,1,2,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
53		tetrachloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
54		carbon tetrachloride; tetrachloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
55		1,1,1,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
56		1,2,4-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
57		vinyl chloride; chloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
58		1,1,2-trichloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
59		chloroform; trichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
60		trans-1,3-dichloropropene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
61		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
62		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
63		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
64		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
65		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
66		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
67		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
68		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
70		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
71		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
72		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
73		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
75		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3									
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
77		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
78		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			200-666-4	67-72-1									
79		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
80		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
81		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
82		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
83		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-857-5	88-75-5									
84		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-137-00-9	203-401-0	106-47-8									
85		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			230-281-7	7005-72-3									
86		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
88		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
90		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
91		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
92		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
93		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		1,1-dichloroethane and 1,2-dichloroethane (combined)				<12	µg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
										Total:	0.0278 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Worst case

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0253%)

Classification of sample: HP413--02012025-0.10

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

Sample details

Sample name:
HP413--02012025-0.10
Moisture content:
15%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	pH			PH		8.2 pH		8.2 pH	8.2 pH		
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1 mg/kg	23.173	19.697 mg/kg	0.00197 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		17 mg/kg		14.45 mg/kg	0.00145 %	✓	
6	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		82 mg/kg	1.126	78.474 mg/kg	0.00785 %	✓	
8	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		45 mg/kg	1.579	60.416 mg/kg	0.00604 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	250 mg/kg		212.5 mg/kg	0.0213 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		53 mg/kg	1.785	80.423 mg/kg	0.00804 %	✓	
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		210 mg/kg	2.469	440.769 mg/kg	0.0441 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15	TPH (C6 to C40) petroleum group			TPH		290	mg/kg		246.5	mg/kg	0.0246 %	✓	
16	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
19	toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20	benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
21	acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23	anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.08	mg/kg		0.068	mg/kg	0.0000068 %	✓	
25	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.14	mg/kg		0.119	mg/kg	0.0000119 %	✓	
26	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.2	mg/kg		0.17	mg/kg	0.000017 %	✓	
27	benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.07	mg/kg		0.0595	mg/kg	0.00000595 %	✓	
28	benzo[ghi]perylene		205-883-8	191-24-2		0.1	mg/kg		0.085	mg/kg	0.0000085 %	✓	
29	chrysene	601-048-00-0	205-923-4	218-01-9		0.12	mg/kg		0.102	mg/kg	0.0000102 %	✓	
30	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31	fluoranthene		205-912-4	206-44-0		0.15	mg/kg		0.128	mg/kg	0.0000128 %	✓	
32	fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33	indeno[123-cd]pyrene		205-893-2	193-39-5		0.08	mg/kg		0.068	mg/kg	0.0000068 %	✓	
34	naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
35	phenanthrene		201-581-5	85-01-8		0.07	mg/kg		0.0595	mg/kg	0.00000595 %	✓	
36	pyrene		204-927-3	129-00-0		0.16	mg/kg		0.136	mg/kg	0.0000136 %	✓	
37	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		17	mg/kg	1.462	24.846	mg/kg	0.00248 %		
38	1,2,3-trichlorobenzene		201-757-1	87-61-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
39	bromodichloromethane		200-856-7	75-27-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
40	bromobenzene	602-060-00-9	203-623-8	108-86-1		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
41	bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
42		mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
43	●	n-butylbenzene		203-209-7	104-51-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
44		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
45		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
46		chloroethane	602-009-00-0	200-830-5	75-00-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
47		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
48		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
49	●	dibromochloromethane		204-704-0	124-48-1		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
50		1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
51		dibromomethane	602-003-00-8	200-824-2	74-95-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
52		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
53	●	2,2-dichloropropane		209-832-0	594-20-7		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
54		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
55	●	1,3-dichloropropane		205-531-3	142-28-9		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
56		cumene	601-024-00-X	202-704-5	98-82-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
57		1-isopropyl-4-methylbenzene; p-cymene	601-094-00-1	202-796-7	99-87-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
58		propylbenzene	601-097-00-8	203-132-9	103-65-1		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
59		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
60	●	sec-butylbenzene		205-227-0	135-98-8		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
61		styrene	601-026-00-0	202-851-5	100-42-5		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
62	●	tert-butylbenzene		202-632-4	98-06-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
63		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
64		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
65		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
66	●	trichlorofluoromethane		200-892-3	75-69-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
67		1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
68		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
69		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
70	●	1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
71		1,2,4-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-043-00-3	202-436-9	95-63-6									
72		vinyl chloride; chloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-023-00-7	200-831-0	75-01-4									
73		1,1,2-trichloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-014-00-8	201-166-9	79-00-5									
74		chloroform; trichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-006-00-4	200-663-8	67-66-3									
75	●	trans-1,3-dichloropropene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			431-460-4	10061-02-6									
76		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-008-00-7	200-539-3	62-53-3									
77		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		606-151-00-4	201-549-0	84-65-1									
78		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		611-001-00-6	203-102-5	103-33-3									
79		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		607-430-00-3	201-622-7	85-68-7									
80		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		603-029-00-2	203-870-1	111-44-4									
81	●	bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			203-920-2	111-91-1									
82	●	4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			202-952-4	101-55-3									
83	●	carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-696-0	86-74-8									
84		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-014-00-3	200-431-6	59-50-7									
85	●	2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-079-9	91-58-7									
86	●	dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			205-071-3	132-64-9									
87		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
88	●	diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
			201-550-6	84-66-2									
89		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
90	●	dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3									
91		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
92		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
93	●	hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			200-666-4	67-72-1									
94		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
95	●	2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
96		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
97		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
98		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-857-5	88-75-5									
99		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-137-00-9	203-401-0	106-47-8									
100		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			230-281-7	7005-72-3									
101		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
102		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
103		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
104		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
105		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
106		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
107		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
108		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									
109		1,1-dichloroethane and 1,2-dichloroethane (combined)				<12	µg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
										Total:	0.119 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Worst case

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0246%)

Classification of sample: HP414--02012025-0.10

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

Sample details

Sample name:
HP414--02012025-0.10
Moisture content:
25%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 25% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		52	mg/kg		39	mg/kg	0.0039 %	✓	
2	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
4		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
5		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
6		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
7	●	acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
8	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
9	●	anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
10		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.23	mg/kg		0.173	mg/kg	0.0000173 %	✓	
11		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.42	mg/kg		0.315	mg/kg	0.0000315 %	✓	
12		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.54	mg/kg		0.405	mg/kg	0.0000405 %	✓	
13		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.18	mg/kg		0.135	mg/kg	0.0000135 %	✓	
14	●	benzo[ghi]perylene		205-883-8	191-24-2		0.36	mg/kg		0.27	mg/kg	0.000027 %	✓	
15		chrysene	601-048-00-0	205-923-4	218-01-9		0.26	mg/kg		0.195	mg/kg	0.0000195 %	✓	
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.06	mg/kg		0.045	mg/kg	0.0000045 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		fluoranthene				0.39	mg/kg		0.293	mg/kg	0.0000293 %	✓	
			205-912-4	206-44-0									
18		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
19		indeno[123-cd]pyrene				0.28	mg/kg		0.21	mg/kg	0.000021 %	✓	
			205-893-2	193-39-5									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		phenanthrene				0.11	mg/kg		0.0825	mg/kg	0.00000825 %	✓	
			201-581-5	85-01-8									
22		pyrene				0.4	mg/kg		0.3	mg/kg	0.00003 %	✓	
			204-927-3	129-00-0									
23		1,2,3-trichlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-757-1	87-61-6									
24		bromodichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
25		bromobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
26		bromomethane; methylbromide				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
27		mesitylene; 1,3,5-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
28		n-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			203-209-7	104-51-8									
29		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
30		chlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
31		chloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
32		chloromethane; methyl chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
33		1,2-dibromoethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
34		dibromochloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
35		1,2-dibromo-3-chloropropane				<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
36		dibromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
37		1,1-dichloroethylene; vinylidene chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
38		2,2-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			209-832-0	594-20-7									
39		1,1-dichloropropene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
40		1,3-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-531-3	142-28-9									
41		cumene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
42		1-isopropyl-4-methylbenzene; p-cymene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
43		propylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
44		1,2-dichloropropane; propylene dichloride				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
45		sec-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
46		styrene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
47		tert-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
48		bromoform; tribromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
49		1,1,1-trichloroethane; methyl chloroform				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
50		trichloroethylene; trichloroethene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
51		trichlorofluoromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
52		1,1,2,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
53		tetrachloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
54		carbon tetrachloride; tetrachloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
55		1,1,1,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
56		1,2,4-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
57		vinyl chloride; chloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
58		1,1,2-trichloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
59		chloroform; trichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
60		trans-1,3-dichloropropene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
61		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
62		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
63		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
64		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
65		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
66		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
67		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
68		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
70		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
71		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
72		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
73		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
75		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3									
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
77		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
78		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			200-666-4	67-72-1									
79		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
80		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
81		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
82		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
83		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-857-5	88-75-5									
84		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-137-00-9	203-401-0	106-47-8									
85		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			230-281-7	7005-72-3									
86		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
88		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
90		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
91		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
92		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
93		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
94	●	1,1-dichloroethane and 1,2-dichloroethane (combined)				<12 µg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
								Total:	0.00484 %		

Key

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

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Worst case

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0039%)

Classification of sample: HP415--02012025-0.10

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

Sample details

Sample name:
HP415--02012025-0.10
Moisture content:
20%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	●	TPH (C6 to C40) petroleum group			TPH		590	mg/kg		472	mg/kg	0.0472 %	✓	
2	●	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
4		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
5		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
6		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
7	●	acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
8	●	acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
9	●	anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
10		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.32	mg/kg		0.256	mg/kg	0.0000256 %	✓	
11		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.54	mg/kg		0.432	mg/kg	0.0000432 %	✓	
12		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.75	mg/kg		0.6	mg/kg	0.00006 %	✓	
13		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.19	mg/kg		0.152	mg/kg	0.0000152 %	✓	
14	●	benzo[ghi]perylene		205-883-8	191-24-2		0.38	mg/kg		0.304	mg/kg	0.0000304 %	✓	
15		chrysene	601-048-00-0	205-923-4	218-01-9		0.42	mg/kg		0.336	mg/kg	0.0000336 %	✓	
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.07	mg/kg		0.056	mg/kg	0.0000056 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		fluoranthene				0.62	mg/kg		0.496	mg/kg	0.0000496 %	✓	
			205-912-4	206-44-0									
18		fluorene				0.06	mg/kg		0.048	mg/kg	0.0000048 %	✓	
			201-695-5	86-73-7									
19		indeno[123-cd]pyrene				0.32	mg/kg		0.256	mg/kg	0.0000256 %	✓	
			205-893-2	193-39-5									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
22		pyrene				0.67	mg/kg		0.536	mg/kg	0.0000536 %	✓	
			204-927-3	129-00-0									
23		1,2,3-trichlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-757-1	87-61-6									
24		bromodichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
25		bromobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
26		bromomethane; methylbromide				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
27		mesitylene; 1,3,5-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
28		n-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			203-209-7	104-51-8									
29		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
30		chlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
31		chloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
32		chloromethane; methyl chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
33		1,2-dibromoethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
34		dibromochloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
35		1,2-dibromo-3-chloropropane				<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
36		dibromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
37		1,1-dichloroethylene; vinylidene chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
38		2,2-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			209-832-0	594-20-7									
39		1,1-dichloropropene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
40		1,3-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-531-3	142-28-9									
41		cumene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
42		1-isopropyl-4-methylbenzene; p-cymene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
43		propylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
44		1,2-dichloropropane; propylene dichloride				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
45		sec-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
46		styrene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
47		tert-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
48		bromoform; tribromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
49		1,1,1-trichloroethane; methyl chloroform				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
50		trichloroethylene; trichloroethene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
51		trichlorofluoromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
52		1,1,2,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
53		tetrachloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
54		carbon tetrachloride; tetrachloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
55		1,1,1,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
56		1,2,4-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
57		vinyl chloride; chloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
58		1,1,2-trichloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
59		chloroform; trichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
60		trans-1,3-dichloropropene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
61		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
62		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
63		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
64		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
65		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
66		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
67		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
68		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
70		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
71		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
72		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
73		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
75	●	dimethyl phthalate		205-011-6	131-11-3		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
77		2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
78	●	hexachloroethane		200-666-4	67-72-1		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
79		3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
80	●	2-methyl naphthalene		202-078-3	91-57-6		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
81		nitrobenzene	609-003-00-7	202-716-0	98-95-3		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
82		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
83	●	2-nitrophenol		201-857-5	88-75-5		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
84		4-chloroaniline	612-137-00-9	203-401-0	106-47-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
85	●	4-chlorophenylphenylether		230-281-7	7005-72-3		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
86		phenol	604-001-00-2	203-632-7	108-95-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
88		2,4,5-trichlorophenol	604-017-00-X	202-467-8	95-95-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
89		2,4,6-trichlorophenol	604-018-00-5	201-795-9	88-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
90		2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
91		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
92		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
93		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<10	µg/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
		EU CLP index number	EC Number	CAS Number							
94	●	1,1-dichloroethane and 1,2-dichloroethane (combined)				<12 µg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3							
								Total:	0.0482 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Worst case

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0472%)

Classification of sample: HP415--02012025-0.40

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

Sample details

Sample name:
HP415--02012025-0.40
Moisture content:
16%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		**<LOD**
2		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
3		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
4		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		**<LOD**
5		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
6		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		**<LOD**
7		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
8		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
9		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
10		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.1	mg/kg		0.084	mg/kg	0.0000084 %	✓	
11		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.12	mg/kg		0.101	mg/kg	0.0000101 %	✓	
12		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.16	mg/kg		0.134	mg/kg	0.0000134 %	✓	
13		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		**<LOD**
14		benzo[ghi]perylene		205-883-8	191-24-2		0.07	mg/kg		0.0588	mg/kg	0.00000588 %	✓	
15		chrysene	601-048-00-0	205-923-4	218-01-9		0.11	mg/kg		0.0924	mg/kg	0.00000924 %	✓	
16		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<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
		EU CLP index number	EC Number	CAS Number									
17		fluoranthene				0.2	mg/kg		0.168	mg/kg	0.0000168 %	✓	
			205-912-4	206-44-0									
18		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
19		indeno[123-cd]pyrene				0.08	mg/kg		0.0672	mg/kg	0.00000672 %	✓	
			205-893-2	193-39-5									
20		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
21		phenanthrene				0.07	mg/kg		0.0588	mg/kg	0.00000588 %	✓	
			201-581-5	85-01-8									
22		pyrene				0.18	mg/kg		0.151	mg/kg	0.0000151 %	✓	
			204-927-3	129-00-0									
23		1,2,3-trichlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			201-757-1	87-61-6									
24		bromodichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-856-7	75-27-4									
25		bromobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
26		bromomethane; methylbromide				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
27		mesitylene; 1,3,5-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
28		n-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			203-209-7	104-51-8									
29		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
30		chlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
31		chloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
32		chloromethane; methyl chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
33		1,2-dibromoethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
34		dibromochloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			204-704-0	124-48-1									
35		1,2-dibromo-3-chloropropane				<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
36		dibromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
37		1,1-dichloroethylene; vinylidene chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
38		2,2-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			209-832-0	594-20-7									
39		1,1-dichloropropene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
40		1,3-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-531-3	142-28-9									
41		cumene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
42		1-isopropyl-4-methylbenzene; p-cymene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
43		propylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
44		1,2-dichloropropane; propylene dichloride				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
45		sec-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			205-227-0	135-98-8									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
46		styrene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
47		tert-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
48		bromoform; tribromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
49		1,1,1-trichloroethane; methyl chloroform				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
50		trichloroethylene; trichloroethene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
51		trichlorofluoromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
52		1,1,2,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
53		tetrachloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
54		carbon tetrachloride; tetrachloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
55		1,1,1,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
56		1,2,4-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
57		vinyl chloride; chloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
58		1,1,2-trichloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
59		chloroform; trichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
60		trans-1,3-dichloropropene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
61		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
62		anthraquinone				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		606-151-00-4	201-549-0	84-65-1									
63		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
64		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
65		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
66		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
67		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
68		carbazole				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			201-696-0	86-74-8									
69		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
70		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
71		dibenzofuran				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			205-071-3	132-64-9									
72		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
73		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
74		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
75		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3									
76		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
77		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
78		hexachloroethane				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			200-666-4	67-72-1									
79		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		606-012-00-8	201-126-0	78-59-1									
80		2-methyl naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			202-078-3	91-57-6									
81		nitrobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
		609-003-00-7	202-716-0	98-95-3									
82		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]									
83		2-nitrophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			201-857-5	88-75-5									
84		4-chloroaniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		612-137-00-9	203-401-0	106-47-8									
85		4-chlorophenylphenylether				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
			230-281-7	7005-72-3									
86		phenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
87		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]									
88		2,4,5-trichlorophenol				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
89		2,4,6-trichlorophenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
90		2,6-dinitrotoluene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									
91		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]									
92		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
93		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
94		1,1-dichloroethane and 1,2-dichloroethane (combined)				<12	µg/kg		<0.012	mg/kg	<0.0000012 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									
										Total:	0.0018 %		

Key

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

Classification of sample: HP405--02012025-0.10

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

Sample details

Sample name:
HP405--02012025-0.10
Moisture content:
18%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	pH			PH		7.8 pH		7.8 pH	7.8 pH		
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		0.9 mg/kg	23.173	17.102 mg/kg	0.00171 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		12 mg/kg		9.84 mg/kg	0.000984 %	✓	
6	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		20 mg/kg	1.126	18.465 mg/kg	0.00185 %	✓	
8	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9 mg/kg	1.579	11.657 mg/kg	0.00117 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	180 mg/kg		147.6 mg/kg	0.0148 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		40 mg/kg	1.785	58.554 mg/kg	0.00586 %	✓	
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		110 mg/kg	2.469	222.731 mg/kg	0.0223 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
18		benzo[a]anthracene				0.09	mg/kg		0.0738	mg/kg	0.00000738 %	✓	
		601-033-00-9	200-280-6	56-55-3									
19		benzo[a]pyrene; benzo[def]chrysene				0.16	mg/kg		0.131	mg/kg	0.0000131 %	✓	
		601-032-00-3	200-028-5	50-32-8									
20		benzo[b]fluoranthene				0.2	mg/kg		0.164	mg/kg	0.0000164 %	✓	
		601-034-00-4	205-911-9	205-99-2									
21		benzo[k]fluoranthene				0.08	mg/kg		0.0656	mg/kg	0.00000656 %	✓	
		601-036-00-5	205-916-6	207-08-9									
22		benzo[ghi]perylene				0.13	mg/kg		0.107	mg/kg	0.0000107 %	✓	
			205-883-8	191-24-2									
23		chrysene				0.11	mg/kg		0.0902	mg/kg	0.00000902 %	✓	
		601-048-00-0	205-923-4	218-01-9									
24		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
25		fluoranthene				0.18	mg/kg		0.148	mg/kg	0.0000148 %	✓	
			205-912-4	206-44-0									
26		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
27		indeno[123-cd]pyrene				0.12	mg/kg		0.0984	mg/kg	0.00000984 %	✓	
			205-893-2	193-39-5									
28		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
29		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-581-5	85-01-8									
30		pyrene				0.14	mg/kg		0.115	mg/kg	0.0000115 %	✓	
			204-927-3	129-00-0									
31		chromium in chromium(III) compounds { chromium(III) oxide }				27	mg/kg	1.462	39.462	mg/kg	0.00395 %		
			215-160-9	1308-38-9									
										Total:	0.0535 %		

Key

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

Classification of sample: HP406--02012025-0.40

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

Sample details

Sample name:
HP406--02012025-0.40
Moisture content:
18%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	pH			PH		8.3 pH		8.3 pH	8.3 pH		
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.1 mg/kg	23.173	20.902 mg/kg	0.00209 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		18 mg/kg		14.76 mg/kg	0.00148 %	✓	
6	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	19.388 mg/kg	0.00194 %	✓	
8	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		8.6 mg/kg	1.579	11.139 mg/kg	0.00111 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	230 mg/kg		188.6 mg/kg	0.0189 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		39 mg/kg	1.785	57.09 mg/kg	0.00571 %	✓	
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		98 mg/kg	2.469	198.433 mg/kg	0.0198 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
16		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		25	mg/kg	1.462	36.539	mg/kg	0.00365 %		
											Total:	0.0555 %		

Key

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

Classification of sample: HP407--02012025-0.10

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

Sample details

Sample name:
HP407--02012025-0.10
Moisture content:
32%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 32% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	pH			PH		7.4 pH		7.4 pH	7.4 pH		
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.6 mg/kg	23.173	25.212 mg/kg	0.00252 %	✓	
5	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		17 mg/kg		11.56 mg/kg	0.00116 %	✓	
6	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
7	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		25 mg/kg	1.126	19.14 mg/kg	0.00191 %	✓	
8	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
9	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9.4 mg/kg	1.579	10.096 mg/kg	0.00101 %	✓	
10	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	260 mg/kg		176.8 mg/kg	0.0177 %	✓	
11	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
12	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		36 mg/kg	1.785	43.701 mg/kg	0.00437 %	✓	
13	zinc { zinc sulphate }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		140 mg/kg	2.469	235.077 mg/kg	0.0235 %	✓	
14	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
16		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
19		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
20		benzene	601-020-00-8	200-753-7	71-43-2		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
21		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.07	mg/kg		0.0476	mg/kg	0.00000476 %	✓	
26		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.07	mg/kg		0.0476	mg/kg	0.00000476 %	✓	
27		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.06	mg/kg		0.0408	mg/kg	0.00000408 %	✓	
28		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		fluoranthene		205-912-4	206-44-0		0.08	mg/kg		0.0544	mg/kg	0.00000544 %	✓	
32		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		indeno[123-cd]pyrene		205-893-2	193-39-5		0.05	mg/kg		0.034	mg/kg	0.0000034 %	✓	
34		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
35		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
36		pyrene		204-927-3	129-00-0		0.05	mg/kg		0.034	mg/kg	0.0000034 %	✓	
37		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		24	mg/kg	1.462	35.077	mg/kg	0.00351 %		
											Total:	0.0575 %		

Key

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

Appendix A: Classifier defined and non GB MCL determinands

- **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

- **arsenic** (EC Number: 231-148-6, CAS Number: 7440-38-2)

GB MCL index number: 033-001-00-X
Description/Comments: Worst Case: IARC considers arsenic Group 1; Carcinogenic to humans
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

- **lead compounds with the exception of those specified elsewhere in this Annex (worst case)**

GB MCL index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

- **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)

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

- **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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Description/Comments: Data from ECHA's C&L inventory database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 30 Apr 2020
Hazard Statements: Acute Tox. 4; H302 , Skin Sens. 1; H317 , Eye Irrit. 2; H319

p,p'-DDD (EC Number: 200-783-0, CAS Number: 72-54-8)

Description/Comments: other names: Rhothane; p,p'-TDE; 4,4'-DDD; 4,4'-TDE;
Data source: ECHA's C&L inventory database

https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/21283
Data source date: 11 Jan 2018
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

p,p'-DDE (EC Number: 200-784-6, CAS Number: 72-55-9)

Description/Comments: other names: 4,4'-DDE; 2,2-bis(p-chlorophenyl)-1,1-dichloroethylene
Data source: ECHA's C&L inventory database

https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/21845
Data source date: 11 Jan 2018
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

1,2,3-trichlorobenzene (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

1,3,5-trichlorobenzene (EC Number: 203-608-6, CAS Number: 108-70-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/134881
Data source date: 20 Jul 2023
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 2; H411

o,p'-DDD (EC Number: 200-166-6, CAS Number: 53-19-0)

Description/Comments: other names: Mitotane; o,p'-TDE; 2,4'-DDD; 2,4'-TDE;
Data source: ECHA's C&L inventory database

https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/10014
Data source date: 11 Jan 2018
Hazard Statements: Acute Tox. 4; H312 , Carc. 2; H351 , Repr. 1A; H360FD , STOT RE 1; H372 , Aquatic Acute 1; H400 (M=100) , Aquatic Chronic 1; H410 (M=100)

o,p'-DDE (EC Number: 222-318-0, CAS Number: 3424-82-6)

Description/Comments: other names: 2,4'-DDE; 2,2,o,p'-tetrachlorovinylidenebisbenzene
Data source: ECHA's C&L inventory database

https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/101358
Data source date: 11 Jan 2018
Hazard Statements: Acute Tox. 4; H302 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

o,p'-DDT (EC Number: 212-332-5, CAS Number: 789-02-6)

Description/Comments: other names: 2,4'-DDT; 2,2,2,o,p'-pentachloroethylidenebisbenzene
Data source: ECHA's C&L inventory database

https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/82255
Data source date: 11 Jan 2018
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 3; H311 , Acute Tox. 2; H330 , Carc. 2; H351 , STOT RE 1; H372 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

bromodichloromethane (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

n-butylbenzene (EC Number: 203-209-7, CAS Number: 104-51-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

dibromochloromethane (EC Number: 204-704-0, CAS Number: 124-48-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

2,2-dichloropropane (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

1,3-dichloropropane (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

sec-butylbenzene (EC Number: 205-227-0, CAS Number: 135-98-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Chronic 2; H411

tert-butylbenzene (EC Number: 202-632-4, CAS Number: 98-06-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , STOT SE 3; H335 , Asp. Tox. 1; H304 , Aquatic Chronic 2; H411

trichlorofluoromethane (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Ozone 1; H420

1,1,1,2-tetrachloroethane (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

trans-1,3-dichloropropene (EC Number: 431-460-4, CAS Number: 10061-02-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

bis(2-chloroethoxy)methane (EC Number: 203-920-2, CAS Number: 111-91-1)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

4-bromophenylphenylether (EC Number: 202-952-4, CAS Number: 101-55-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

carbazole (EC Number: 201-696-0, CAS Number: 86-74-8)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

- **dibenzofuran** (EC Number: 205-071-3, CAS Number: 132-64-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

- **diethyl phthalate** (EC Number: 201-550-6, CAS Number: 84-66-2)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

- **dimethyl phthalate** (EC Number: 205-011-6, CAS Number: 131-11-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

- **hexachloroethane** (EC Number: 200-666-4, CAS Number: 67-72-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

- **2-methyl naphthalene** (EC Number: 202-078-3, CAS Number: 91-57-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **2-nitrophenol** (EC Number: 201-857-5, CAS Number: 88-75-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **4-chlorophenylphenylether** (EC Number: 230-281-7, CAS Number: 7005-72-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **1,1-dichloroethane and 1,2-dichloroethane (combined)** (EC Number: 203-458-1, 200-863-5, CAS Number: 107-06-2, 75-34-3)

Description/Comments: Combines the hazard statements and risk phrases for 1,1-dichloroethane and 1,2-dichloroethane
Data source: N/a
Data source date: 14 Oct 2016
Hazard Statements: Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 1B; H350 , Aquatic Chronic 3; H412

Appendix B: Rationale for selection of metal species

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

Most likely worst case.

boron {boron tribromide}

Most likely worst case.

arsenic {arsenic}

Most likely worst case.

cadmium {cadmium sulfide}

Most likely worst case.

copper {dicopper oxide; copper (I) oxide}

Most likely worst case.

mercury {mercury}

Most likely worst case.

nickel {nickel dihydroxide}

Most likely worst case.

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Worst case

selenium {selenium}

Most likely worst case.

vanadium {divanadium pentaoxide; vanadium pentoxide}

Most likely worst case.

zinc {zinc sulphate}

Most likely worst case.

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

Most likely worst case.

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

Most likely worst case.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2025.7.6439.11737 (07 Jan 2025)
HazWasteOnline Database: 2025.7.6439.11737 (07 Jan 2025)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021
GB MCL List v2.0 - version 2.0 of 20th October 2023
GB MCL List v3.0 - version 3.0 of 11th January 2024
GB MCL List v4.0 - version 4.0 of 2nd March 2024
GB MCL List v5.0 - version 5.0 of 26th June 2024

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.

Z1S3S-OU2P2-LXK3N

Report is invalid if pages are removed.

Job name

25-000693_HWOL

Description/Comments

Project

GWPR6247

Site

Chactonbury Nursery, Rectory Lane, Ashington RH20 3AS

Classified by

Name:
Libby Bennett
Date:
17 Jan 2025 09:37 GMT
Telephone:
01420 463044

Company:
Ground and Water
2 The Long Barn, Norton Farm, Selborne Road, Alton Hampshire, GU34 3NB

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	-

Purpose of classification

2 - Material Characterisation

Address of the waste

Chactonbury Nursery, Rectory Lane, Ashington RH20 3AS **Post Code** RH20 3AS

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Redevelopment of site

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

Waste created during construction and excavation

Description of the waste

Made Ground

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP401--08012025-0.40		Non Hazardous		3
2	TP402--08012025-0.20		Non Hazardous		6
3	TP402--08012025-0.90		Non Hazardous		9
4	TP405--08012025-1.90		Non Hazardous		11
5	TP406--08012025-0.50		Non Hazardous		14
6	TP406--08012025-2.00		Hazardous	HP 7, HP 14	16
7	TP407--08012025-0.20		Non Hazardous		22
8	TP407--08012025-2.50		Non Hazardous		24
9	HP417--08012025-0.10		Non Hazardous		27
10	HP418--08012025-0.10		Non Hazardous		31
11	HP419--08012025-0.10		Non Hazardous		35
12	HP420--08012025-0.10		Non Hazardous		39

Related documents

#	Name	Description
1	25-000693_HWOL.hwol	i2 Analytical .hwol file used to populate the Job

Report

Created by: Libby Bennett

Created date: 17 Jan 2025 09:37 GMT

Appendices	Page
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Classification of sample: TP401--08012025-0.40

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

Sample details

Sample name:
TP401--08012025-0.40
Moisture content:
14%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
4	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
5	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
7	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8 µg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
8	toluene	601-021-00-3	203-625-9	108-88-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
9	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.9 mg/kg	23.173	37.865 mg/kg	0.00379 %	✓	
10	pH			PH		8.2 pH		8.2 pH	8.2 pH		
11	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		11 mg/kg		9.46 mg/kg	0.000946 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		21 mg/kg	1.126	20.334 mg/kg	0.00203 %	✓	
14	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		nickel { nickel dihydroxide }				20	mg/kg	1.579	27.167	mg/kg	0.00272 %	✓	
		028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
16		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	49	mg/kg		42.14	mg/kg	0.00421 %	✓	
		082-001-00-6											
17		selenium { selenium }				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
		034-001-00-2	231-957-4	7782-49-2									
18		vanadium { divanadium pentaoxide; vanadium pentoxide }				30	mg/kg	1.785	46.058	mg/kg	0.00461 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
19		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				120	mg/kg	4.398	453.866	mg/kg	0.0454 %	✓	
		030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
20		TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
				TPH									
21		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-917-1	208-96-8									
22		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
23		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-371-1	120-12-7									
24		benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
25		benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
26		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
27		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
28		benzo[ghi]perylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-883-8	191-24-2									
29		chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
30		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
31		fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-912-4	206-44-0									
32		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-695-5	86-73-7									
33		indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			205-893-2	193-39-5									
34		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
35		phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-581-5	85-01-8									
36		pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			204-927-3	129-00-0									
37		chromium in chromium(III) compounds { chromium(III) oxide }				23	mg/kg	1.462	33.616	mg/kg	0.00336 %		
			215-160-9	1308-38-9									
										Total:	0.0689 %		

Key

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

Classification of sample: TP402--08012025-0.20

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

Sample details

Sample name:
TP402--08012025-0.20
Moisture content:
15%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 15% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
4	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
5	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
7	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8 µg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
8	toluene	601-021-00-3	203-625-9	108-88-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
9	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.2 mg/kg	23.173	23.636 mg/kg	0.00236 %	✓	
10	pH			PH		7.1 pH		7.1 pH	7.1 pH		
11	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		20 mg/kg		17 mg/kg	0.0017 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		24 mg/kg	1.126	22.968 mg/kg	0.0023 %	✓	
14	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		12	mg/kg	1.579	16.111	mg/kg	0.00161 %	✓	
16		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	110	mg/kg		93.5	mg/kg	0.00935 %	✓	
17		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
18		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		36	mg/kg	1.785	54.627	mg/kg	0.00546 %	✓	
19		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		70	mg/kg	4.398	261.677	mg/kg	0.0262 %	✓	
20		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
21		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
22		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
23		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
25		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
26		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
27		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
28		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
29		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
30		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
31		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
33		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
34		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
35		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
36		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
37		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		19	mg/kg	1.462	27.77	mg/kg	0.00278 %		
											Total:	0.0536 %		

Key

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

Classification of sample: TP402--08012025-0.90

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

Sample details

Sample name:
TP402--08012025-0.90
Moisture content:
18%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 18% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
3	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.2	mg/kg	23.173	22.802	mg/kg	0.00228 %	✓	
5	pH			PH		7.4	pH		7.4	pH	7.4 pH		
6	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		19	mg/kg		15.58	mg/kg	0.00156 %	✓	
7	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2	mg/kg	1.285	<0.257	mg/kg	<0.00002 %		<LOD
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		17	mg/kg	1.126	15.695	mg/kg	0.00157 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		8.7	mg/kg	1.579	11.268	mg/kg	0.00113 %	✓	
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	220	mg/kg		180.4	mg/kg	0.018 %	✓	
12	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		35	mg/kg	1.785	51.235	mg/kg	0.00512 %	✓	
14	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		93	mg/kg	4.398	335.386	mg/kg	0.0335 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
15		acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			205-917-1	208-96-8									
16		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-469-6	83-32-9									
17		anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			204-371-1	120-12-7									
18		benzo[a]anthracene				0.06	mg/kg		0.0492	mg/kg	0.00000492 %	✓	
		601-033-00-9	200-280-6	56-55-3									
19		benzo[a]pyrene; benzo[def]chrysene				0.09	mg/kg		0.0738	mg/kg	0.00000738 %	✓	
		601-032-00-3	200-028-5	50-32-8									
20		benzo[b]fluoranthene				0.13	mg/kg		0.107	mg/kg	0.0000107 %	✓	
		601-034-00-4	205-911-9	205-99-2									
21		benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-036-00-5	205-916-6	207-08-9									
22		benzo[ghi]perylene				0.08	mg/kg		0.0656	mg/kg	0.00000656 %	✓	
			205-883-8	191-24-2									
23		chrysene				0.08	mg/kg		0.0656	mg/kg	0.00000656 %	✓	
		601-048-00-0	205-923-4	218-01-9									
24		dibenz[a,h]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-041-00-2	200-181-8	53-70-3									
25		fluoranthene				0.12	mg/kg		0.0984	mg/kg	0.00000984 %	✓	
			205-912-4	206-44-0									
26		fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
			201-695-5	86-73-7									
27		indeno[123-cd]pyrene				0.07	mg/kg		0.0574	mg/kg	0.00000574 %	✓	
			205-893-2	193-39-5									
28		naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
		601-052-00-2	202-049-5	91-20-3									
29		phenanthrene				0.08	mg/kg		0.0656	mg/kg	0.00000656 %	✓	
			201-581-5	85-01-8									
30		pyrene				0.09	mg/kg		0.0738	mg/kg	0.00000738 %	✓	
			204-927-3	129-00-0									
31		chromium in chromium(III) compounds { chromium(III) oxide }				21	mg/kg	1.462	30.693	mg/kg	0.00307 %		
			215-160-9	1308-38-9									
										Total:	0.0672 %		

Key

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

Classification of sample: TP405--08012025-1.90

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

Sample details

Sample name:
TP405--08012025-1.90
Moisture content:
25%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 25% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
4	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
5	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
7	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8 µg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
8	toluene	601-021-00-3	203-625-9	108-88-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
9	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.9 mg/kg	23.173	33.021 mg/kg	0.0033 %	✓	
10	pH			PH		7.9 pH		7.9 pH	7.9 pH		
11	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		14 mg/kg		10.5 mg/kg	0.00105 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	0.4 mg/kg	1.285	0.386 mg/kg	0.00003 %	✓	
13	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		27 mg/kg	1.126	22.799 mg/kg	0.00228 %	✓	
14	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		11	mg/kg	1.579	13.031	mg/kg	0.0013 %	✓	
16		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	360	mg/kg		270	mg/kg	0.027 %	✓	
17		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
18		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		33	mg/kg	1.785	44.183	mg/kg	0.00442 %	✓	
19		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		130	mg/kg	4.398	428.798	mg/kg	0.0429 %	✓	
20		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
21		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		anthracene		204-371-1	120-12-7		0.1	mg/kg		0.075	mg/kg	0.0000075 %	✓	
24		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.37	mg/kg		0.278	mg/kg	0.0000278 %	✓	
25		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.41	mg/kg		0.307	mg/kg	0.0000307 %	✓	
26		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.55	mg/kg		0.413	mg/kg	0.0000413 %	✓	
27		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.16	mg/kg		0.12	mg/kg	0.000012 %	✓	
28		benzo[ghi]perylene		205-883-8	191-24-2		0.26	mg/kg		0.195	mg/kg	0.0000195 %	✓	
29		chrysene	601-048-00-0	205-923-4	218-01-9		0.4	mg/kg		0.3	mg/kg	0.00003 %	✓	
30		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		fluoranthene		205-912-4	206-44-0		0.74	mg/kg		0.555	mg/kg	0.0000555 %	✓	
32		fluorene		201-695-5	86-73-7		0.05	mg/kg		0.0375	mg/kg	0.00000375 %	✓	
33		indeno[123-cd]pyrene		205-893-2	193-39-5		0.21	mg/kg		0.158	mg/kg	0.0000158 %	✓	
34		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
35		phenanthrene		201-581-5	85-01-8		0.47	mg/kg		0.353	mg/kg	0.0000352 %	✓	
36		pyrene		204-927-3	129-00-0		0.66	mg/kg		0.495	mg/kg	0.0000495 %	✓	
37		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		19	mg/kg	1.462	27.77	mg/kg	0.00278 %		
											Total:	0.0872 %		

Key

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

Classification of sample: TP406--08012025-0.50

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

Sample details

Sample name:
TP406--08012025-0.50
Moisture content:
20%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 20% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.2 mg/kg	23.173	22.246 mg/kg	0.00222 %	✓	
5	pH			PH		8 pH		8 pH	8pH		
6	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		12 mg/kg		9.6 mg/kg	0.00096 %	✓	
7	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		13 mg/kg	1.126	11.709 mg/kg	0.00117 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		7.4 mg/kg	1.579	9.351 mg/kg	0.000935 %	✓	
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	67 mg/kg		53.6 mg/kg	0.00536 %	✓	
12	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		37 mg/kg	1.785	52.841 mg/kg	0.00528 %	✓	
14	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		40 mg/kg	4.398	140.734 mg/kg	0.0141 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
16		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
20		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
21		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene		205-912-4	206-44-0		0.05	mg/kg		0.04	mg/kg	0.000004 %	✓	
26		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		21	mg/kg	1.462	30.693	mg/kg	0.00307 %		
											Total:	0.0339 %		

Key

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

Classification of sample: TP406--08012025-2.00

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

Sample details

Sample name:
TP406--08012025-2.00
Moisture content:
48%
(wet weight correction)

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

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1A; 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:

lead compounds with the exception of those specified elsewhere in this Annex (worst case) (Note 1 conc.: 0.218%)

HP 14: Ecotoxic "waste which presents or may present immediate or delayed risks for one or more sectors of the environment"

Hazard Statements hit:

Aquatic Chronic 1; H410 "Very toxic to aquatic life with long lasting effects."

Because of determinands:

lead compounds with the exception of those specified elsewhere in this Annex (worst case) (Note 1 conc.: 0.218%)
zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] (compound conc.: 0.32%)

Determinands

Moisture content: 48% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		monohydric phenols		P1186		<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
2		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
3		chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.8	mg/kg	1.923	<3.462	mg/kg	<0.000346 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
4		benzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
5		ethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
6		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
7		o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
8		toluene	601-021-00-3	203-625-9	108-88-3		<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
9		boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		2.1	mg/kg	23.173	25.305	mg/kg	0.00253 %	✓	
10		pH			PH		9	pH		9	pH	9pH		
11		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		12	mg/kg		6.24	mg/kg	0.000624 %	✓	
12		cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	1.1	mg/kg	1.285	0.735	mg/kg	0.0000572 %	✓	
13		copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		42	mg/kg	1.126	24.589	mg/kg	0.00246 %	✓	
14		mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<**LOD**
15		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		17	mg/kg	1.579	13.963	mg/kg	0.0014 %	✓	
16		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	4200	mg/kg		2184	mg/kg	0.218 %	✓	
17		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
18		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		40	mg/kg	1.785	37.132	mg/kg	0.00371 %	✓	
19		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		1400	mg/kg	4.398	3201.69	mg/kg	0.32 %	✓	
20		TPH (C6 to C40) petroleum group			TPH		380	mg/kg		197.6	mg/kg	0.0198 %	✓	
21		acenaphthylene		205-917-1	208-96-8		0.26	mg/kg		0.135	mg/kg	0.0000135 %	✓	
22		acenaphthene		201-469-6	83-32-9		0.43	mg/kg		0.224	mg/kg	0.0000224 %	✓	
23		anthracene		204-371-1	120-12-7		0.82	mg/kg		0.426	mg/kg	0.0000426 %	✓	
24		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		2.8	mg/kg		1.456	mg/kg	0.000146 %	✓	
25		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		5.3	mg/kg		2.756	mg/kg	0.000276 %	✓	
26		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		9	mg/kg		4.68	mg/kg	0.000468 %	✓	
27		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.7	mg/kg		1.924	mg/kg	0.000192 %	✓	
28		benzo[ghi]perylene		205-883-8	191-24-2		3.7	mg/kg		1.924	mg/kg	0.000192 %	✓	
29		chrysene	601-048-00-0	205-923-4	218-01-9		7.3	mg/kg		3.796	mg/kg	0.00038 %	✓	
30		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.74	mg/kg		0.385	mg/kg	0.0000385 %	✓	
31		fluoranthene		205-912-4	206-44-0		15	mg/kg		7.8	mg/kg	0.00078 %	✓	
32		fluorene		201-695-5	86-73-7		0.87	mg/kg		0.452	mg/kg	0.0000452 %	✓	
33		indeno[123-cd]pyrene		205-893-2	193-39-5		3.6	mg/kg		1.872	mg/kg	0.000187 %	✓	
34		naphthalene	601-052-00-2	202-049-5	91-20-3		0.1	mg/kg		0.052	mg/kg	0.0000052 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
35		phenanthrene				8.7	mg/kg		4.524	mg/kg	0.000452 %	✓	
			201-581-5	85-01-8									
36		pyrene				11	mg/kg		5.72	mg/kg	0.000572 %	✓	
			204-927-3	129-00-0									
37		bromodichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			200-856-7	75-27-4									
38		bromobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-060-00-9	203-623-8	108-86-1									
39		bromomethane; methylbromide				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-002-00-2	200-813-2	74-83-9									
40		mesitylene; 1,3,5-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-025-00-5	203-604-4	108-67-8									
41		n-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			203-209-7	104-51-8									
42		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
43		chlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-033-00-1	203-628-5	108-90-7									
44		chloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-009-00-0	200-830-5	75-00-3									
45		chloromethane; methyl chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-001-00-7	200-817-4	74-87-3									
46		1,2-dibromoethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-010-00-6	203-444-5	106-93-4									
47		dibromochloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			204-704-0	124-48-1									
48		1,2-dibromo-3-chloropropane				<8	µg/kg		<0.008	mg/kg	<0.0000008 %		<**LOD**
		602-021-00-6	202-479-3	96-12-8									
49		dibromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-003-00-8	200-824-2	74-95-3									
50		1,1-dichloroethylene; vinylidene chloride				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-025-00-8	200-864-0	75-35-4									
51		2,2-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			209-832-0	594-20-7									
52		1,1-dichloropropene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-031-00-0	209-253-3	563-58-6									
53		1,3-dichloropropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			205-531-3	142-28-9									
54		cumene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-024-00-X	202-704-5	98-82-8									
55		1-isopropyl-4-methylbenzene; p-cymene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-094-00-1	202-796-7	99-87-6									
56		propylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-097-00-8	203-132-9	103-65-1									
57		1,2-dichloropropane; propylene dichloride				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-020-00-0	201-152-2	78-87-5									
58		sec-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			205-227-0	135-98-8									
59		styrene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		601-026-00-0	202-851-5	100-42-5									
60		tert-butylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			202-632-4	98-06-6									
61		bromoform; tribromomethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-007-00-X	200-854-6	75-25-2									
62		1,1,1-trichloroethane; methyl chloroform				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
		602-013-00-2	200-756-3	71-55-6									
63		1,2,3-trichlorobenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
			201-757-1	87-61-6									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
64		trichloroethylene; trichloroethene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
65		trichlorofluoromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			200-892-3	75-69-4									
66		1,1,2,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
67		chloroform; trichloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
68		trans-1,3-dichloropropene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			431-460-4	10061-02-6									
69		tetrachloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
70		carbon tetrachloride; tetrachloromethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
71		1,1,1,2-tetrachloroethane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			211-135-1	630-20-6									
72		1,2,4-trimethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
73		vinyl chloride; chloroethylene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
74		1,1,2-trichloroethane				<6	µg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
75		aniline				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
76		anthraquinone				2.6	mg/kg		1.352	mg/kg	0.000135 %	✓	
		606-151-00-4	201-549-0	84-65-1									
77		azobenzene				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
78		BBP; benzyl butyl phthalate				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
79		bis(2-chloroethyl) ether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
80		bis(2-chloroethoxy)methane				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
			203-920-2	111-91-1									
81		4-bromophenylphenylether				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			202-952-4	101-55-3									
82		carbazole				0.5	mg/kg		0.26	mg/kg	0.000026 %	✓	
			201-696-0	86-74-8									
83		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
84		2-chloronaphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			202-079-9	91-58-7									
85		dibenzofuran				0.4	mg/kg		0.208	mg/kg	0.0000208 %	✓	
			205-071-3	132-64-9									
86		2,4-dichlorophenol				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
87		diethyl phthalate				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
			201-550-6	84-66-2									
88		dibutyl phthalate; DBP				<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
89		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
			215-089-3 [6] 276-245-4 [7]	1300-71-6 [6] 71975-58-1 [7]									
91		2,4-dinitrotoluene; [1] dinitrotoluene [2]											
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
92		hexachlorobenzene											
		602-065-00-6	204-273-9	118-74-1		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
93		hexachloroethane											
			200-666-4	67-72-1		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
94		3,5,5-trimethylcyclohex-2-enone; isophorone											
		606-012-00-8	201-126-0	78-59-1		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
95		2-methyl naphthalene											
			202-078-3	91-57-6		0.1	mg/kg		0.052	mg/kg	0.0000052 %	✓	
96		nitrobenzene											
		609-003-00-7	202-716-0	98-95-3		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
97		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]											
		604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
98		2-nitrophenol											
			201-857-5	88-75-5		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
99		4-chloroaniline											
		612-137-00-9	203-401-0	106-47-8		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
100		4-chlorophenylphenylether											
			230-281-7	7005-72-3		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
101		phenol											
		604-001-00-2	203-632-7	108-95-2		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
102		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]											
		612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
103		2,4,5-trichlorophenol											
		604-017-00-X	202-467-8	95-95-4		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
104		2,4,6-trichlorophenol											
		604-018-00-5	201-795-9	88-06-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
105		2,6-dinitrotoluene											
		609-049-00-8	210-106-0	606-20-2		<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
106		chromium in chromium(III) compounds { chromium(III) oxide }											
			215-160-9	1308-38-9		19	mg/kg	1.462	27.77	mg/kg	0.00278 %		
107		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]											
		604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<LOD
108		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]											
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
109		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]											
		602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
110		1,1-dichloroethane and 1,2-dichloroethane (combined)											
			203-458-1, 200-863-5	107-06-2, 75-34-3		<12	µg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
										Total:	0.577 %		

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

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%) because: Worst case

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0198%)

Classification of sample: TP407--08012025-0.20

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

Sample details

Sample name:
TP407--08012025-0.20
Moisture content:
53%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 53% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
4	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		3.1 mg/kg	23.173	33.763 mg/kg	0.00338 %	✓	
5	pH			PH		7.2 pH		7.2 pH	7.2 pH		
6	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		9.4 mg/kg		4.418 mg/kg	0.000442 %	✓	
7	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
8	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	5.821 mg/kg	0.000582 %	✓	
9	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
10	nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		5.2 mg/kg	1.579	3.86 mg/kg	0.000386 %	✓	
11	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	150 mg/kg		70.5 mg/kg	0.00705 %	✓	
12	selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
13	vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		21 mg/kg	1.785	17.62 mg/kg	0.00176 %	✓	
14	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		75 mg/kg	4.398	155.027 mg/kg	0.0155 %	✓	

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
16		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
17		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
18		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
19		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.09	mg/kg		0.0423	mg/kg	0.00000423 %	✓	
20		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.09	mg/kg		0.0423	mg/kg	0.00000423 %	✓	
21		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		chrysene	601-048-00-0	205-923-4	218-01-9		0.07	mg/kg		0.0329	mg/kg	0.00000329 %	✓	
24		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		fluoranthene		205-912-4	206-44-0		0.11	mg/kg		0.0517	mg/kg	0.00000517 %	✓	
26		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		naphthalene	601-052-00-2	202-049-5	91-20-3		0.05	mg/kg		0.0235	mg/kg	0.00000235 %	✓	
29		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		pyrene		204-927-3	129-00-0		0.11	mg/kg		0.0517	mg/kg	0.00000517 %	✓	
31		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		13	mg/kg	1.462	19	mg/kg	0.0019 %		
											Total:	0.0319 %		

Key

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

Classification of sample: TP407--08012025-2.50

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

Sample details

Sample name:
TP407--08012025-2.50
Moisture content:
9.3%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 9.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	monohydric phenols			P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }	006-007-00-5				<1 mg/kg	1.884	<1.884 mg/kg	<0.000188 %		<LOD
3	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<1.8 mg/kg	1.923	<3.462 mg/kg	<0.000346 %		<LOD
4	benzene	601-020-00-8	200-753-7	71-43-2		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
5	ethylbenzene	601-023-00-4	202-849-4	100-41-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
6	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
7	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]	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]		<8 µg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
8	toluene	601-021-00-3	203-625-9	108-88-3		<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
9	boron { boron tribromide }	005-003-00-0	233-657-9	10294-33-4		1.3 mg/kg	23.173	27.323 mg/kg	0.00273 %	✓	
10	pH			PH		8.2 pH		8.2 pH	8.2 pH		
11	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		8.2 mg/kg		7.437 mg/kg	0.000744 %	✓	
12	cadmium { cadmium sulfide }	048-010-00-4	215-147-8	1306-23-6	1	<0.2 mg/kg	1.285	<0.257 mg/kg	<0.00002 %		<LOD
13	copper { dicopper oxide; copper (I) oxide }	029-002-00-X	215-270-7	1317-39-1		11 mg/kg	1.126	11.233 mg/kg	0.00112 %	✓	
14	mercury { mercury }	080-001-00-0	231-106-7	7439-97-6		<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
15		nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		15	mg/kg	1.579	21.489	mg/kg	0.00215 %	✓	
16		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	12	mg/kg		10.884	mg/kg	0.00109 %	✓	
17		selenium { selenium }	034-001-00-2	231-957-4	7782-49-2		<1	mg/kg		<1	mg/kg	<0.0001 %		<**LOD**
18		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		25	mg/kg	1.785	40.479	mg/kg	0.00405 %	✓	
19		zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		46	mg/kg	4.398	183.49	mg/kg	0.0183 %	✓	
20		TPH (C6 to C40) petroleum group			TPH		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
21		acenaphthylene		205-917-1	208-96-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
22		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
23		anthracene		204-371-1	120-12-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
25		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
26		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
27		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
28		benzo[ghi]perylene		205-883-8	191-24-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
29		chrysene	601-048-00-0	205-923-4	218-01-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
30		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
31		fluoranthene		205-912-4	206-44-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
32		fluorene		201-695-5	86-73-7		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
33		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
34		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
35		phenanthrene		201-581-5	85-01-8		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
36		pyrene		204-927-3	129-00-0		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
37		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		16	mg/kg	1.462	23.385	mg/kg	0.00234 %		
											Total:	0.0344 %		

Key

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

Classification of sample: HP417--08012025-0.10

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

Sample details

Sample name:
HP417--08012025-0.10
Moisture content:
23%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 23% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		1,2,3-trichlorobenzene		201-757-1	87-61-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
2		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
3		alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide	616-015-00-6	240-110-8	15972-60-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
4		aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
5		azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
6		azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
7		bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate	607-699-00-7		82657-04-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
8		1,3,5-trichlorobenzene		203-608-6	108-70-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
9		chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
10		chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
11		chlorothalonil (ISO); tetrachloroisophthalonitrile	608-014-00-4	217-588-1	1897-45-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
12		carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate	015-044-00-6	212-324-1	786-19-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
13		cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	607-253-00-1	269-855-7	68359-37-5		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
14		cypermethrin cis/trans +/- 80/20; (RS)-a-cyano-3-phenoxybenzyl (1RS; 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-433-00-X	257-842-9	52315-07-8									
15		lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-252-00-6	415-130-7	91465-08-6									
16		dichlobenil (ISO); 2,6-dichlorobenzonitrile				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		608-015-00-X	214-787-5	1194-65-6									
17		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
18		dieldrin (ISO)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
19		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-051-00-4	200-480-3	60-51-5									
20		deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-319-00-X	258-256-6	52918-63-5									
21		demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-028-00-9	206-053-8	298-03-3									
22		demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-029-00-4	204-801-8	126-75-0									
23		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-040-00-4	206-373-8	333-41-5									
24		heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-063-00-5	213-831-0	1024-57-3									
25		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-047-00-2	209-242-3	563-12-2									
26		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-122-00-X	253-855-9	38260-54-7									
27		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-048-00-8	200-231-9	55-38-9									
28		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-054-00-0	204-524-2	122-14-5									
29		isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-050-00-4	207-366-2	465-73-6									
30		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-041-00-X	204-497-7	121-75-5									
31		methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
32		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate	015-020-00-5	232-095-1	7786-34-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
33		omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate	015-066-00-6	214-197-8	1113-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
34		o,p'-DDD		200-166-6	53-19-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
35		o,p'-DDE		222-318-0	3424-82-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
36		o,p'-DDT		212-332-5	789-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
37		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate	015-034-00-1	200-271-7	56-38-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
38		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate	015-035-00-7	206-050-1	298-00-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
39		pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
40		pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	609-042-00-X	254-938-2	40487-42-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
41		phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate	015-033-00-6	206-052-2	298-02-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
42		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate	015-067-00-1	218-996-2	2310-17-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
43		pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate	015-099-00-6	245-704-0	23505-41-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
44		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate	015-134-00-5	249-528-5	29232-93-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
45		p,p'-DDD		200-783-0	72-54-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
46		p,p'-DDE		200-784-6	72-55-9		22	µg/kg		0.022	mg/kg	0.0000022 %		
47		DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane	602-045-00-7	200-024-3	50-29-3		54	µg/kg		0.054	mg/kg	0.0000054 %		
48		propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide	616-055-00-4	245-951-4	23950-58-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
49		trans-isopropyl-3-[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)	015-136-00-6	250-517-2	31218-83-4		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
50		phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate	015-022-00-6	236-116-5	13171-21-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
51		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate	015-140-00-8	245-986-5	24017-47-8		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
52		tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-044-00-0	204-178-2	117-18-0									
53		triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		606-037-00-4	256-103-8	43121-43-3									
54		trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-046-00-1	216-428-8	1582-09-8									
55		chlordane (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-047-00-8	200-349-0	57-74-9									
56		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
57		permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		613-058-00-2	258-067-9	52645-53-1									
58		endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-051-00-X	200-775-7	72-20-8									
59		hexachlorocyclohexanes, including lindane				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
										Total:	0.00107 %		

Key

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

Classification of sample: HP418--08012025-0.10

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

Sample details

Sample name:
HP418--08012025-0.10
Moisture content:
19%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		1,2,3-trichlorobenzene		201-757-1	87-61-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
2		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
3		alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide	616-015-00-6	240-110-8	15972-60-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
4		aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
5		azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
6		azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
7		bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate	607-699-00-7		82657-04-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
8		1,3,5-trichlorobenzene		203-608-6	108-70-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
9		chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
10		chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
11		chlorothalonil (ISO); tetrachloroisophthalonitrile	608-014-00-4	217-588-1	1897-45-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
12		carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate	015-044-00-6	212-324-1	786-19-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
13		cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	607-253-00-1	269-855-7	68359-37-5		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
14		cypermethrin cis/trans +/- 80/20; (RS)-a-cyano-3-phenoxybenzyl (1RS; 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-433-00-X	257-842-9	52315-07-8									
15		lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-252-00-6	415-130-7	91465-08-6									
16		dichlobenil (ISO); 2,6-dichlorobenzonitrile				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		608-015-00-X	214-787-5	1194-65-6									
17		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
18		dieldrin (ISO)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
19		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-051-00-4	200-480-3	60-51-5									
20		deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-319-00-X	258-256-6	52918-63-5									
21		demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-028-00-9	206-053-8	298-03-3									
22		demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-029-00-4	204-801-8	126-75-0									
23		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-040-00-4	206-373-8	333-41-5									
24		heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-063-00-5	213-831-0	1024-57-3									
25		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-047-00-2	209-242-3	563-12-2									
26		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-122-00-X	253-855-9	38260-54-7									
27		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-048-00-8	200-231-9	55-38-9									
28		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-054-00-0	204-524-2	122-14-5									
29		isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-050-00-4	207-366-2	465-73-6									
30		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-041-00-X	204-497-7	121-75-5									
31		methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
32		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate	015-020-00-5	232-095-1	7786-34-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
33		omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate	015-066-00-6	214-197-8	1113-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
34	●	o,p'-DDD		200-166-6	53-19-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
35	●	o,p'-DDE		222-318-0	3424-82-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
36	●	o,p'-DDT		212-332-5	789-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
37		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate	015-034-00-1	200-271-7	56-38-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
38		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate	015-035-00-7	206-050-1	298-00-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
39		pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
40		pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	609-042-00-X	254-938-2	40487-42-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
41		phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate	015-033-00-6	206-052-2	298-02-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
42		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate	015-067-00-1	218-996-2	2310-17-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
43		pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate	015-099-00-6	245-704-0	23505-41-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
44		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate	015-134-00-5	249-528-5	29232-93-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
45	●	p,p'-DDD		200-783-0	72-54-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
46	●	p,p'-DDE		200-784-6	72-55-9		16	µg/kg		0.016	mg/kg	0.0000016 %		
47		DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane	602-045-00-7	200-024-3	50-29-3		32	µg/kg		0.032	mg/kg	0.0000032 %		
48		propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide	616-055-00-4	245-951-4	23950-58-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
49		trans-isopropyl-3-[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)	015-136-00-6	250-517-2	31218-83-4		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
50		phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate	015-022-00-6	236-116-5	13171-21-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
51		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate	015-140-00-8	245-986-5	24017-47-8		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
52		tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-044-00-0	204-178-2	117-18-0									
53		triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		606-037-00-4	256-103-8	43121-43-3									
54		trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-046-00-1	216-428-8	1582-09-8									
55		chlordane (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-047-00-8	200-349-0	57-74-9									
56		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
57		permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		613-058-00-2	258-067-9	52645-53-1									
58		endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-051-00-X	200-775-7	72-20-8									
59		hexachlorocyclohexanes, including lindane				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
										Total:	0.00107 %		

Key

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

Classification of sample: HP419--08012025-0.10

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

Sample details

Sample name:
HP419--08012025-0.10
Moisture content:
16%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		1,2,3-trichlorobenzene		201-757-1	87-61-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
2		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
3		alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide	616-015-00-6	240-110-8	15972-60-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
4		aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
5		azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
6		azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
7		bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate	607-699-00-7		82657-04-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
8		1,3,5-trichlorobenzene		203-608-6	108-70-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
9		chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
10		chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
11		chlorothalonil (ISO); tetrachloroisophthalonitrile	608-014-00-4	217-588-1	1897-45-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
12		carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate	015-044-00-6	212-324-1	786-19-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
13		cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	607-253-00-1	269-855-7	68359-37-5		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
14		cypermethrin cis/trans +/- 80/20; (RS)-a-cyano-3-phenoxybenzyl (1RS; 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-433-00-X	257-842-9	52315-07-8									
15		lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-252-00-6	415-130-7	91465-08-6									
16		dichlobenil (ISO); 2,6-dichlorobenzonitrile				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		608-015-00-X	214-787-5	1194-65-6									
17		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
18		dieldrin (ISO)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
19		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-051-00-4	200-480-3	60-51-5									
20		deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-319-00-X	258-256-6	52918-63-5									
21		demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-028-00-9	206-053-8	298-03-3									
22		demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-029-00-4	204-801-8	126-75-0									
23		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-040-00-4	206-373-8	333-41-5									
24		heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-063-00-5	213-831-0	1024-57-3									
25		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-047-00-2	209-242-3	563-12-2									
26		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-122-00-X	253-855-9	38260-54-7									
27		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-048-00-8	200-231-9	55-38-9									
28		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-054-00-0	204-524-2	122-14-5									
29		isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-050-00-4	207-366-2	465-73-6									
30		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-041-00-X	204-497-7	121-75-5									
31		methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
32		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate	015-020-00-5	232-095-1	7786-34-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
33		omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate	015-066-00-6	214-197-8	1113-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
34		o,p'-DDD		200-166-6	53-19-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
35		o,p'-DDE		222-318-0	3424-82-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
36		o,p'-DDT		212-332-5	789-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
37		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate	015-034-00-1	200-271-7	56-38-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
38		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate	015-035-00-7	206-050-1	298-00-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
39		pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
40		pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	609-042-00-X	254-938-2	40487-42-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
41		phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate	015-033-00-6	206-052-2	298-02-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
42		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate	015-067-00-1	218-996-2	2310-17-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
43		pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate	015-099-00-6	245-704-0	23505-41-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
44		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate	015-134-00-5	249-528-5	29232-93-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
45		p,p'-DDD		200-783-0	72-54-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
46		p,p'-DDE		200-784-6	72-55-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
47		DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane	602-045-00-7	200-024-3	50-29-3		21	µg/kg		0.021	mg/kg	0.0000021 %		
48		propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide	616-055-00-4	245-951-4	23950-58-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
49		trans-isopropyl-3-[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)	015-136-00-6	250-517-2	31218-83-4		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
50		phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate	015-022-00-6	236-116-5	13171-21-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
51		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate	015-140-00-8	245-986-5	24017-47-8		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
52		tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-044-00-0	204-178-2	117-18-0									
53		triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		606-037-00-4	256-103-8	43121-43-3									
54		trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-046-00-1	216-428-8	1582-09-8									
55		chlordane (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-047-00-8	200-349-0	57-74-9									
56		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
57		permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		613-058-00-2	258-067-9	52645-53-1									
58		endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-051-00-X	200-775-7	72-20-8									
59		hexachlorocyclohexanes, including lindane				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
										Total:	0.00107 %		

Key

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

Classification of sample: HP420--08012025-0.10

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

Sample details

Sample name:
HP420--08012025-0.10
Moisture content:
19%
(wet weight correction)

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

Hazard properties

None identified

Determinands

Moisture content: 19% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		1,2,3-trichlorobenzene		201-757-1	87-61-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
2		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<10	mg/kg		<10	mg/kg	<0.001 %		<**LOD**
3		alachlor (ISO); 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide	616-015-00-6	240-110-8	15972-60-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
4		aldrin (ISO)	602-048-00-3	206-215-8	309-00-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
5		azinphos-ethyl (ISO); O,O-diethyl 4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-056-00-1	220-147-6	2642-71-9		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
6		azinphos-methyl (ISO); O,O-dimethyl-4-oxobenzotriazin-3-ylmethyl phosphorodithioate	015-039-00-9	201-676-1	86-50-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
7		bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropanecarboxylate	607-699-00-7		82657-04-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
8		1,3,5-trichlorobenzene		203-608-6	108-70-3		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
9		chlorfenvinphos (ISO); 2-chloro-1-(2,4 dichlorophenyl) vinyl diethyl phosphate	015-071-00-3	207-432-0	470-90-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
10		chlorpyrifos (ISO); O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate	015-084-00-4	220-864-4	2921-88-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
11		chlorothalonil (ISO); tetrachloroisophthalonitrile	608-014-00-4	217-588-1	1897-45-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
12		carbophenothion (ISO); 4-chlorophenylthiomethyl O,O-diethyl phosphorodithioate	015-044-00-6	212-324-1	786-19-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
13		cyfluthrin (ISO); a-cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	607-253-00-1	269-855-7	68359-37-5		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
14		cypermethrin cis/trans +/- 80/20; (RS)-a-cyano-3-phenoxybenzyl (1RS; 3RS; 1RS, 3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-433-00-X	257-842-9	52315-07-8									
15		lambda-cyhalothrin (ISO); reaction mass of (S)-a-cyano-3-phenoxybenzyl(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate and (R)-a-cyano-3-phenoxybenzyl (Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-252-00-6	415-130-7	91465-08-6									
16		dichlobenil (ISO); 2,6-dichlorobenzonitrile				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		608-015-00-X	214-787-5	1194-65-6									
17		dichlorvos (ISO); 2,2-dichlorovinyl dimethyl phosphate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-019-00-X	200-547-7	62-73-7									
18		dieldrin (ISO)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-049-00-9	200-484-5	60-57-1									
19		dimethoate (ISO); O,O-dimethyl methylcarbamoylmethyl phosphorodithioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-051-00-4	200-480-3	60-51-5									
20		deltamethrin (ISO); (S)-a-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		607-319-00-X	258-256-6	52918-63-5									
21		demeton-O (ISO); O,O-diethyl-O-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-028-00-9	206-053-8	298-03-3									
22		demeton-S (ISO); diethyl-S-2-ethylthioethyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-029-00-4	204-801-8	126-75-0									
23		diazinon (ISO); O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-040-00-4	206-373-8	333-41-5									
24		heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-063-00-5	213-831-0	1024-57-3									
25		ethion (ISO); O,O,O',O'-tetraethyl S,S'-methylenedi (phosphorodithioate); diethion				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-047-00-2	209-242-3	563-12-2									
26		etrimfos (ISO); O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethylphosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-122-00-X	253-855-9	38260-54-7									
27		fenthion (ISO); O,O-dimethyl-O-(4-methylthion-m-tolyl) phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-048-00-8	200-231-9	55-38-9									
28		fenitrothion (ISO); O,O-dimethyl O-4-nitro-m-tolyl phosphorothioate				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-054-00-0	204-524-2	122-14-5									
29		isodrin; (1a,4a,4ab,5b,8b,8ab)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-050-00-4	207-366-2	465-73-6									
30		malathion (ISO); 1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate; [containing £ 0.03 % isomalathion]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-041-00-X	204-497-7	121-75-5									
31		methyl 3-[(dimethoxyphosphinothioyl)oxy]methacrylate; [1] methacrifos (ISO); methyl (E)-3-[(dimethoxyphosphinothioyl)oxy]methacrylate [2]				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		015-156-00-5	250-366-9 [1] -2]	30864-28-9 [1] 62610-77-9 [2]									

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
32		mevinphos (ISO); 2-methoxycarbonyl-1-methylvinyl dimethyl phosphate	015-020-00-5	232-095-1	7786-34-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
33		omethoate (ISO); O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate	015-066-00-6	214-197-8	1113-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
34		o,p'-DDD		200-166-6	53-19-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
35		o,p'-DDE		222-318-0	3424-82-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
36		o,p'-DDT		212-332-5	789-02-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
37		parathion (ISO); O,O-diethyl O-4-nitrophenyl phosphorothioate	015-034-00-1	200-271-7	56-38-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
38		parathion - methyl (ISO); O,O-dimethyl O-4-nitrophenyl phosphorothioate	015-035-00-7	206-050-1	298-00-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
39		pentachlorobenzene	602-074-00-5	210-172-0	608-93-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
40		pendimethalin (ISO); N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine	609-042-00-X	254-938-2	40487-42-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
41		phorate (ISO); O,O-diethyl ethylthiomethyl phosphorodithioate	015-033-00-6	206-052-2	298-02-2		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
42		phosalone (ISO); S-(6-chloro-2-oxobenzoxazolin-3-ylmethyl) O,O-diethyl phosphorodithioate	015-067-00-1	218-996-2	2310-17-0		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
43		pirimiphos-ethyl (ISO); O,O-diethyl O-2-diethylamino-6-methylpyrimidin-4-yl phosphorothioate	015-099-00-6	245-704-0	23505-41-1		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
44		pirimiphos-methyl (ISO); O-[2-(diethylamino)-6-methylpyrimidin-4-yl] O,O-dimethyl phosphorothioate	015-134-00-5	249-528-5	29232-93-7		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
45		p,p'-DDD		200-783-0	72-54-8		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
46		p,p'-DDE		200-784-6	72-55-9		20	µg/kg		0.02	mg/kg	0.000002 %		
47		DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane	602-045-00-7	200-024-3	50-29-3		46	µg/kg		0.046	mg/kg	0.0000046 %		
48		propyzamide (ISO); 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide	616-055-00-4	245-951-4	23950-58-5		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
49		trans-isopropyl-3-[[(ethylamino)methoxyfosfinothioyl]oxy]crotonate; isopropyl 3-[[(ethylamino)methoxyphosphinothioyl]oxy]isocrotonate; propetamphos (ISO)	015-136-00-6	250-517-2	31218-83-4		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
50		phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate	015-022-00-6	236-116-5	13171-21-6		<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
51		triazophos (ISO); O,O-diethyl-O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate	015-140-00-8	245-986-5	24017-47-8		<10	µg/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
		EU CLP index number	EC Number	CAS Number									
52		tecnazene (ISO); 1,2,4,5-tetrachloro-3-nitrobenzene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-044-00-0	204-178-2	117-18-0									
53		triadimefon (ISO); 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butanone				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		606-037-00-4	256-103-8	43121-43-3									
54		trifluralin (ISO) (containing < 0.5 ppm NPDA); a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-N,N-dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); N,N-dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-046-00-1	216-428-8	1582-09-8									
55		chlordane (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		602-047-00-8	200-349-0	57-74-9									
56		endosulfan (ISO); 1,2,3,4,7,7-hexachloro-8,9,10-trinorborn-2-en-5,6-ylenedimethylene sulfite; 1,4,5,6,7,7-hexachloro-8,9,10-trinorborn-5-en-2,3-ylenedimethylene sulfite				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-052-00-5	204-079-4	115-29-7									
57		permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate				<20	µg/kg		<0.02	mg/kg	<0.000002 %		<**LOD**
		613-058-00-2	258-067-9	52645-53-1									
58		endrin (ISO); 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-051-00-X	200-775-7	72-20-8									
59		hexachlorocyclohexanes, including lindane				<30	µg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
		602-043-00-6	210-168-9, 200-401-2, 206-270-8, 206-271-3	58-89-9, 319-84-6, 319-85-7, 608-73-1									
										Total:	0.00107 %		

Key

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

Appendix A: Classifier defined and non GB MCL determinands

- **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

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

GB MCL index number: 006-007-00-5
Description/Comments: Conversion factor based on a worst case compound: sodium cyanide
Additional Hazard Statement(s): EUH032 >= 0.2 %
Reason for additional Hazards Statement(s):
20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

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

- **arsenic** (EC Number: 231-148-6, CAS Number: 7440-38-2)

GB MCL index number: 033-001-00-X
Description/Comments: Worst Case: IARC considers arsenic Group 1; Carcinogenic to humans
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

- **lead compounds with the exception of those specified elsewhere in this Annex (worst case)**

GB MCL index number: 082-001-00-6
Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A
Additional Hazard Statement(s): Carc. 1A; H350
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

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

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Description/Comments: Data from ECHA's C&L inventory database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806
Data source date: 30 Apr 2020
Hazard Statements: Acute Tox. 4; H302 , Skin Sens. 1; H317 , Eye Irrit. 2; H319

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

GB MCL index number: 601-023-00-4
Description/Comments:
Additional Hazard Statement(s): Carc. 2; H351
Reason for additional Hazards Statement(s):
20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

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

- **bromodichloromethane** (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

- **n-butylbenzene** (EC Number: 203-209-7, CAS Number: 104-51-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

dibromochloromethane (EC Number: 204-704-0, CAS Number: 124-48-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

2,2-dichloropropane (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

1,3-dichloropropane (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

sec-butylbenzene (EC Number: 205-227-0, CAS Number: 135-98-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Chronic 2; H411

tert-butylbenzene (EC Number: 202-632-4, CAS Number: 98-06-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , STOT SE 3; H335 , Asp. Tox. 1; H304 , Aquatic Chronic 2; H411

1,2,3-trichlorobenzene (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

trichlorofluoromethane (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Ozone 1; H420

trans-1,3-dichloropropene (EC Number: 431-460-4, CAS Number: 10061-02-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

1,1,1,2-tetrachloroethane (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

bis(2-chloroethoxy)methane (EC Number: 203-920-2, CAS Number: 111-91-1)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

- **4-bromophenylphenylether** (EC Number: 202-952-4, CAS Number: 101-55-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **carbazole** (EC Number: 201-696-0, CAS Number: 86-74-8)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

- **2-chloronaphthalene** (EC Number: 202-079-9, CAS Number: 91-58-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

- **dibenzofuran** (EC Number: 205-071-3, CAS Number: 132-64-9)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

- **diethyl phthalate** (EC Number: 201-550-6, CAS Number: 84-66-2)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

- **dimethyl phthalate** (EC Number: 205-011-6, CAS Number: 131-11-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

- **hexachloroethane** (EC Number: 200-666-4, CAS Number: 67-72-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

- **2-methyl naphthalene** (EC Number: 202-078-3, CAS Number: 91-57-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **2-nitrophenol** (EC Number: 201-857-5, CAS Number: 88-75-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

- **4-chlorophenylphenylether** (EC Number: 230-281-7, CAS Number: 7005-72-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

1,1-dichloroethane and 1,2-dichloroethane (combined) (EC Number: 203-458-1, 200-863-5, CAS Number: 107-06-2, 75-34-3)

Description/Comments: Combines the hazard statements and risk phrases for 1,1-dichloroethane and 1,2-dichloroethane
Data source: N/a
Data source date: 14 Oct 2016
Hazard Statements: Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 1B; H350 , Aquatic Chronic 3; H412

1,3,5-trichlorobenzene (EC Number: 203-608-6, CAS Number: 108-70-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/134881
Data source date: 20 Jul 2023
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 2; H411

o,p'-DDD (EC Number: 200-166-6, CAS Number: 53-19-0)

Description/Comments: other names: Mitotane; o,p'-TDE; 2,4'-DDD; 2,4'-TDE;
Data source: ECHA's C&L inventory database

https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/10014
Data source date: 11 Jan 2018
Hazard Statements: Acute Tox. 4; H312 , Carc. 2; H351 , Repr. 1A; H360FD , STOT RE 1; H372 , Aquatic Acute 1; H400 (M=100) , Aquatic Chronic 1; H410 (M=100)

o,p'-DDE (EC Number: 222-318-0, CAS Number: 3424-82-6)

Description/Comments: other names: 2,4'-DDE; 2,2,o,p'-tetrachlorovinylidenebisbenzene
Data source: ECHA's C&L inventory database

https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/101358
Data source date: 11 Jan 2018
Hazard Statements: Acute Tox. 4; H302 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

o,p'-DDT (EC Number: 212-332-5, CAS Number: 789-02-6)

Description/Comments: other names: 2,4'-DDT; 2,2,2,o,p'-pentachloroethylidenebisbenzene
Data source: ECHA's C&L inventory database

https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/82255
Data source date: 11 Jan 2018
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 3; H311 , Acute Tox. 2; H330 , Carc. 2; H351 , STOT RE 1; H372 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

p,p'-DDD (EC Number: 200-783-0, CAS Number: 72-54-8)

Description/Comments: other names: Rhothane; p,p'-TDE; 4,4'-DDD; 4,4'-TDE;
Data source: ECHA's C&L inventory database

https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/21283
Data source date: 11 Jan 2018
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

p,p'-DDE (EC Number: 200-784-6, CAS Number: 72-55-9)

Description/Comments: other names: 4,4'-DDE; 2,2-bis(p-chlorophenyl)-1,1-dichloroethylene
Data source: ECHA's C&L inventory database

https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/-/discli/details/21845
Data source date: 11 Jan 2018
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

Appendix B: Rationale for selection of metal species

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

Most likely worst case.

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

Most likely worst case.

boron {boron tribromide}

Most likely worst case.

arsenic {arsenic}

Most likely worst case.

cadmium {cadmium sulfide}

Most likely worst case.

copper {dicopper oxide; copper (I) oxide}

Most likely worst case.

mercury {mercury}

Most likely worst case.

nickel {nickel dihydroxide}

Most likely worst case.

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

worst case

selenium {selenium}

Most likely worst case.

vanadium {divanadium pentaoxide; vanadium pentoxide}

Most likely worst case.

zinc {zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2]}

worst case

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

Most likely worst case.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2025.7.6439.11737 (07 Jan 2025)
HazWasteOnline Database: 2025.7.6439.11737 (07 Jan 2025)

This classification utilises the following guidance and legislation:
WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021
CLP Regulation - Regulation 1272/2008/EC of 16 December 2008
1st ATP - Regulation 790/2009/EC of 10 August 2009
2nd ATP - Regulation 286/2011/EC of 10 March 2011
3rd ATP - Regulation 618/2012/EU of 10 July 2012
4th ATP - Regulation 487/2013/EU of 8 May 2013
Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013
5th ATP - Regulation 944/2013/EU of 2 October 2013
6th ATP - Regulation 605/2014/EU of 5 June 2014
WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014
Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014
7th ATP - Regulation 2015/1221/EU of 24 July 2015
8th ATP - Regulation (EU) 2016/918 of 19 May 2016
9th ATP - Regulation (EU) 2016/1179 of 19 July 2016
10th ATP - Regulation (EU) 2017/776 of 4 May 2017
HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017
13th ATP - Regulation (EU) 2018/1480 of 4 October 2018
14th ATP - Regulation (EU) 2020/217 of 4 October 2019
15th ATP - Regulation (EU) 2020/1182 of 19 May 2020
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020
The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK: 2020 No. 1540 of 16th December 2020
GB MCL List - version 1.1 of 09 June 2021
GB MCL List v2.0 - version 2.0 of 20th October 2023
GB MCL List v3.0 - version 3.0 of 11th January 2024
GB MCL List v4.0 - version 4.0 of 2nd March 2024
GB MCL List v5.0 - version 5.0 of 26th June 2024