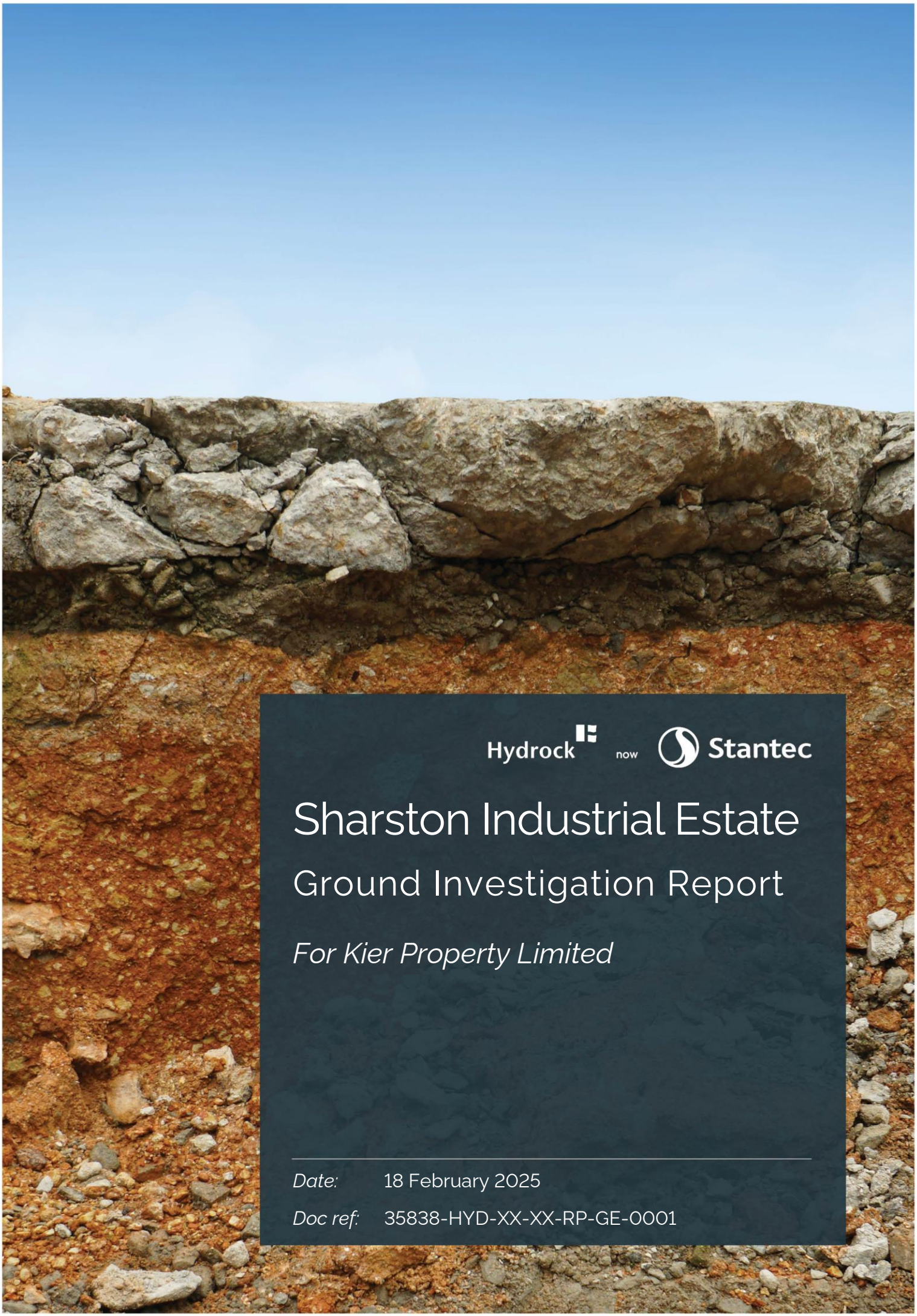


Hydrock now Stantec

Sharston Industrial Estate

Ground Investigation Report

For Kier Property Limited

Date: 18 February 2025

Doc ref: 35838-HYD-XX-XX-RP-GE-0001

Document control sheet

Issued by	Hydrock Consultants Limited 100 Barbirolli Square Manchester M2 3AB United Kingdom	T +44 (0)1782 261919 F +44 (0)1782 262020 E manchester@hydrock.com hydrock.com
Client	Kier Property Limited	
Project name	Sharston Industrial Estate	
Project title	Ground Investigation Report	
BIM reference	35838-HYD-XX-XX-RP-GE-0001	
Project reference	35838	
Date	18/02/2025	

Document production record		
Issue Number	S2	*Name*
Prepared by		Becky Homer BSc (Hons) FGS
Checked by		Russell Sumner BSc (Hons) CSci FGS
Approved by		Mark Griffiths BSc (Hons) MSc CGeol CSci FGS

Document revision record			
Issue Number	*Status*	*Date*	*Revision Details*
S2	P01	18/02/2025	First Issue

Hydrock Consultants Limited (Hydrock) has prepared this report in accordance with the instructions of the above-named Client, under the terms of appointment for Hydrock, for the sole and specific use of the Client and parties commissioned by them to undertake work where reliance is placed on this report. Any third parties who use the information contained herein do so at their own risk. Hydrock shall not be responsible for any use of the report or its contents for any purpose other than that for which it was prepared or for use of the report by any parties not defined in Hydrock's appointment.

Contents

Executive summary iv
1. Introduction 7
2. Desk study review 10
3. Initial conceptual site model 13
4. Ground investigations 16
5. Ground investigation records and data 19
6. Geotechnical assessment 27
7. Geo-environmental assessment 31
8. Waste and materials management 41
9. Uncertainties and limitations 46
10. Conclusions and recommendations 48
11. References 50

Tables

Table 4.1: Summary of site works 16
Table 4.2: Summary of monitoring installations 16
Table 4.3: Summary of sample numbers for geotechnical tests 18
Table 5.1: Strata encountered 19
Table 5.2: Obstructions encountered 20
Table 5.3: Groundwater occurrence 21
Table 5.4: Groundwater level data summary 21
Table 5.5: Range of ground gas data 22
Table 5.6: Volume change potential 23
Table 5.7: PSD results summary 23
Table 5.8: Soil strength results and derived values 23
Table 5.9: Relative density results and derived values 24
Table 5.10: Summary of compressibility 25
Table 5.11: CBR results and derived values 26
Table 5.12: Aggressive chemical environment concrete classification 26
Table 6.1: Characteristic geotechnical values 27
Table 7.1: Chemicals of potential concern for which further assessment is required (human health) 33
Table 7.2: Visual evidence of asbestos containing materials 33
Table 7.3: Asbestos in soil samples (laboratory testing) 33
Table 7.4: CoPC which require further assessment (controlled waters) 35
Table 7.5: Ground gas risk assessment 37
Table 7.6: Residual risks following risk evaluation 39

Figures

Figure 5.1: Undrained shear strength versus depth summary 24
Figure 5.2: SPT N_{60} value versus depth summary 25

Appendices

Appendix A *Drawings*

Appendix B *Desk study data*

Appendix C *Exploratory hole logs and photographs*

Appendix D *Geotechnical test results and geotechnical plots*

Appendix E *Site monitoring data and ground gas risk assessment*

Appendix F *Contamination test results and GQRA*

Appendix G *Waste assessment*

Appendix H *Geotechnical risk register*

Appendix I *Plausible source-pathway-receptor contaminant linkages*

Executive summary

Site information and setting	
Objectives	Phase II ground investigation.
Client	Kier Property Limited.
Site name and location	Sharston industrial Estate Sharston Road Wythenshawe Manchester M22 4RA
Proposed development	Hydrock understands that the proposed development is to comprise a commercial/logistics development formed of ten units, named Unit 1, Units 2A to 2D adjoined and Units 3A to 3E adjoined. The proposed development will also include loading/unloading areas and associated carparking
Site description	The site currently consists of two storey brick buildings with a one storey brick building in the south west and car parking associated with the Siemens power distribution equipment factory which is in the process of becoming vacant.
Desk study summary	
Topography	The site is generally level with no significant slopes.
Hydrology	The closest surface water feature is the River Mersey, approximately 500m to the north east.
Site History	The site was first developed in the 1930s with an electrical works and underwear works. By the late 1960s, the underwear works were incorporated into the electrical works with the site expanding until the 1990s, when the site layout remained unchanged. Information provided by the current occupiers indicates a fire occurring in the 1980s which caused an unknown extent of damage to the main central office area and warehouse area in the south east of site.
Geology	The geology at the site consists of Glaciofluvial Sheet Deposits overlying the Tarporley Siltstone Formation. The geological mapping suggests that Glacial Till may be present below the Glaciofluvial Sheet Deposits given that its mapped nearby in the area.
Natural geological hazards	The sands and gravels of the glaciofluvial deposits could comprise of loose compressible soils. Shallow groundwater could lead to running sand conditions.
Hydrogeology	The superficial deposits are classified as a Secondary A Aquifer and the bedrock a Secondary B Aquifer.
UXO risk	A specialist UXO assessment indicates a low bomb risk.
Preliminary conceptual site model based on desk study	
Potential contaminant sources	*On site* » Made Ground associated with current and historical use of site, possibily including contamination resulting of leaks and spills of oils, hydrocarbons and solvents and PFAS. » Asbestos containing materials or non-visible loose fibres within the Made Ground. » Asbestos within existing buildings *Off site* » Ground gases (carbon dioxide and methane) from nearby landfill
Potential contaminant linkages (for receptors for which there is or will be a pathway)	» People (neighbours, site end users) » Development end use (buildings, utilities and landscaping) » Groundwater: Secondary A Aquifer status of the Glaciofluvial Sheet Deposits
Ground model proven by investigation	

Ground and groundwater conditions encountered by investigation	The ground conditions as proven by the investigation undertaken at the site comprise: » Hardstanding – from ground level to 0.2m below ground level (bgl), comprising either of concrete or bituminous material. » Made Ground – between 0.1m and 0.8m bgl, comprising of locally clayey GRAVEL and SAND of brick concrete, occasional asphalt clinker and natural lithologies. » Glaciofluvial Sheet Deposits – encountered from depths of 0.3m to over 3.9m bgl, comprising of medium dense becoming dense granular SAND. » Glacial Till Cohesive - between 3.0m and 9.3 firm to stiff high strength slightly sandy slightly gravelly CLAY » Glacial Till Granular – between 9.0m and 10.0m bgl comprising dense orangish brown gravelly SAND. The post fieldwork monitoring between those boreholes where levels were obtained appear to show the shallow groundwater in the Glaciofluvial Sheet Deposits is flowing towards the north east from 33.26m AOD to 32.84m AOD. Given the presence of low permeability clayey sand and clay to the east the shallow groundwater is unlikely to be in direct continuity with the River Mersey. The deeper groundwater in granular Glacial Till struck at 9.0m (26.0m AOD) a similar depth to the anticipated base of the River Mersey channel and may be in hydraulic continuity with the river. The deeper groundwater is confined by around 5m thickness of low permeability cohesive Glacial Till.
Summary of geotechnical conclusions	
Groundwork	Obstructions including foundations, floor slabs and services, should be anticipated locally such as encountered at CP104, CP104a and WS110A. Excavation to proposed founding depth generally should be readily achievable with standard excavation plant. Heavy duty excavation plant/breaking equipment may be required to remove the existing hardstanding and any below ground obstructions. The sands and gravels were generally unstable throughout the investigation with continuous collapse occurring in several of the windowless sampler boreholes. Water seepages into shallow excavations of less than 2.0m are likely to be adequately controlled by sump pumping.
Foundations and Floor Slab	Foundations are recommended to comprise pad foundations at 300mm bgl. (up to 2m bgl locally). Allowable net bearing pressure of 100kN/m^2 for pad foundations bearing onto the medium dense Glaciofluvial Sheet Deposits. For the purposes of preliminary ground bearing floor slab assessment, a modulus of sub-grade reaction of 130MN/m^3 can be assumed for design purposes, based upon the lowest laboratory remoulded CBR results in the natural sands of 19%.
Roads and pavements	For road / pavement design, a design CBR of 2.5 % is likely to be achievable subject to in situ testing during construction and the proof rolling of formation level.
Buried concrete	Design Sulphate Class - DS-1 and ACEC Class AC- 1 for Made Ground, Glaciofluvial Sheet Deposits and cohesive Glacial Till..
Summary of geo-environmental assessment	
Human Health	» Locally elevated PAHs in shallow Made Ground WS101 which will remain under hardstanding or be disposed offsite which will remove any future exposure pathways. » Asbestos cement and asbestos fibres encountered within the Made Ground across site.
Controlled waters	» Low level of chlorinated solvents in the shallow groundwater and levels below UK water quality targets (WQT) in the deeper groundwater remediation of the groundwater is considered unnecessary.
Radon:	» The site is not in a Radon Affected Area (less than 1% of existing homes affected).
Ground gases or vapours:	» Low risk from ground gases, CS1 conditions apply.
Enabling works	

Proposed mitigation measures	The mitigation measures proposed to remove unacceptable risks include: » demolition asbestos survey and removal of ACMs by a licensed asbestos contractor. » examination of soils following breaking out the existing hardstanding and hand picking of any occasional asbestos containing materials by a suitably CAT B qualified asbestos specialist. » prior to any soil's movements, soils should be dampened down to avoid any fibres release.
Waste management	Excavated soils to be disposed of as waste, are likely to be classed as non-hazardous with localised hazardous soils.

Conclusion
On the basis of the above it is considered that the site is suitable for the proposed development and there are unlikely to be abnormal ground conditions that would have a significant impact on construction costs and programme.

Future considerations	
Further work	Following the ground investigation works undertaken to date, the following further works will be required: » demolition asbestos survey; » provision of geotechnical design for the Category 2 structures (ground bearing floor slab); » design of pad foundations by a structural engineer; » discussions with regulatory bodies and the warranty provider regarding the conclusions of this report; » discussion and agreement with utility providers regarding the materials suitable for pipework; » liaison with an asbestos specialist in relation to the hand picking of ACMs during the removal of the existing hardstanding and production of a letter outlining works to be provided to the LPA for approval; » it assumed at this stage that no extensive earthworks are required and rather surplus soils are likely to be disposed therefore a Materials Management Plan is unlikely to be required. » Should proposal change relating Material Movements than Hydrock should be made aware of these changes at the earliest possible timing.

This Executive Summary forms part of Hydrock Consultants Limited report number 35838-HYD-XX-XX-RP-GE-0001 and should not be used as a separate document.

1. Introduction

1.1 Terms of reference

In July 2024, Hydrock Consultants Limited (Hydrock) was commissioned by Kier Property Limited (the Client) to undertake site investigation, comprising a review of the provided Phase 1 Environmental Report and conduct a Phase 2 ground investigation at the Electrium site (a subsidiary of Siemens) at Sharston Industrial Estate, Sharston Road, Wythenshawe, Manchester, M22 4RA.

The site currently consists of two storey brick buildings with a one storey brick building in the south west and car parking associated with the Siemens power distribution equipment factory which is in the process of becoming vacant.

Hydrock understands that the proposed development is to comprise a commercial/logistics development formed of ten units, named Unit 1, Units 2A to 2D adjoined and Units 3A to 3E adjoined. The proposed development will also include loading/unloading areas and associated carparking. A proposed development layout (Kier Property Drawing PR1732), is presented in Appendix A.

The investigation works have been undertaken in accordance with Hydrock's proposal referenced 38583-GNST-FP-GE-0001 P03, 22 July 2024. Instruction was received on the 28th November 2024, with the confirmed PO number 80010400.

1.2 Objectives

The works have been commissioned to assist with the design of the development.

The objectives of the Phase 2 Ground Investigation are:

- To resolve uncertainties identified in the provided Phase 1 Environmental Report by refining and updating the preliminary ground model, determining geo-environmental and geotechnical site conditions and identifying key contamination risks by updating and finalising the Conceptual Model is accordance with the principles of LCRM;
- To identify any geo-environmental mitigation requirements to enable development; and
- to provide preliminary geotechnical recommendations for design.

1.3 Scope

The scope of the Phase 2 Ground Investigation comprises:

- Pre ground investigation walkover to confirm accessibility to the proposed exploratory hole locations and working constraints;
- Service clearance survey at exploratory hole positions (by third party specialist surveyor) and surveying in locations to NGR and Ordnance Datum;
- Concrete coring through the building floor slabs in exploratory holes located within the existing building;
- Cable percussion boreholes with recovery of disturbed and 'undisturbed' samples for geotechnical characterisation and chemical analysis, and in situ (SPT) testing to assess deeper ground conditions;
- Dynamic 'windowless' sampling boreholes with recovery of disturbed samples for geotechnical characterisation and chemical analysis, and in situ (SPT) testing, to assess shallow ground conditions;
- installation of gas and/or groundwater monitoring installations;

- full time site supervision by a Hydrock Consultant; and
- preliminary ground gas concentration and groundwater level monitoring (4 visits over 6 weeks), with groundwater samples (if encountered) being sampled and tested on one occasion.

  The ground investigation was undertaken collaboratively with Ramboll (acting on behalf of Siemens). Ramboll undertook the soil chemical sampling and soil chemical testing, groundwater well development, groundwater chemical sampling and groundwater chemical testing. The results are presented within the Ramboll Factual Report.

1.4 Available information

The following documents, reports etc have been provided to Hydrock by the Client for use in the preparation of this report:

- Nova Ambiente, June 2024, Vendor's Phase I Environmental Report (SA023);
- Horizon, March 2024, Drawing PR1732 SK08 - Proposed Site Plan Option Author (Rev P1);
- Electrium, Feb 2024, Asbestos Management Plan and Arrangements Wythenshawe Hindley Green (Rev 05.0) and associated asbestos register (dated Nov 2020);
- Electrium Factory Layout Wythenshawe_111092019_Ver9-Model.pdf building.pdf; and
- Title Plan GM972878.
- Ramboll, Feb 2025, Environmental Phase II Factual Report Electrium, Wythenshawe.

It is understood that the Client commissioned or has obtained assignment of the above documents and Hydrock has assumed full reliance can be placed upon their contents. Should this not be the case, Hydrock should be informed at the earliest opportunity.

A Phase 1 Report (Nova Ambiente, 2024) provided by the Client is summarised in 2. This content has been used in the preparation of the preliminary Conceptual Site Model as the basis for preparing the preliminary geo-environmental exposure model and the preliminary geotechnical hazard identification presented in Section 3.

1.5 Regulatory context and guidance

The investigation work has been carried out in general compliance with recognised best practice, including (but not limited to) BS 5930:2015+A1:2020, BS 10175:2011+A2:2017 and the AGS (2006) 'Good Practice Guidelines for Site Investigations'.

The geo-environmental section of this report is written in broad accordance with BS 10175:2011+A2:2017 and EA LCRM (2023).

Phase 2 comprises intrusive ground investigation work and testing. The factual information from the desk study and the ground investigation have been used to develop the Conceptual Site Model (CSM). This CSM is based on a ground model of the site physical conditions and an exposure model of the possible contaminant linkages. The CSM forms the basis for Generic Quantitative Risk Assessment (GQRA) in accordance with current guidelines. This GQRA might lead to more Detailed Quantitative Risk Assessment (DQRA).

Professional judgement is then used to evaluate the findings of the risk assessments and to provide recommendations for the development.

The geotechnical section of this report is prepared in general accordance with BS EN 1997-1+A1:2013, BS EN 1997-2:2007 and BS 8004:2015+A1:2020. This report constitutes a Ground Investigation Report (GIR) as described in Part 2 of Eurocode 7 (BS EN 1997-2) (EC7). However, it is not intended to fulfil the requirements of a Geotechnical Design Report (GDR) as specified in EC7.

Where relevant the relevant requirements of the current edition of NHBC Standards have also been applied.

The geo-environmental and geotechnical aspects are discussed in separate sections. Throughout the report the term 'geotechnical' is used to describe aspects relating to the physical nature of the site (such as foundation requirements). The term 'geo-environmental' is used to describe aspects relating to ground-related environmental issues (such as potential contamination). However, it should be appreciated that this is an integrated investigation and these two main aspects are inter-related. Designers should take all aspects of the investigation into account.

Remaining uncertainties and recommendations for further work are listed in Section 9 and Section 10.

2. Desk study review

2.1 Introduction

Hydrock has been provided with a desk study for the site prepared by Nova in June 2024 referenced SA023. Hydrock generally agree with the findings of the desk study and the following section is a summary of the pertinent information presented in the desk study, supplemented by additional information as required. Additional desk study has been obtained and is presented within the Groundsure report in Appendix B.

2.2 Site location

The site is located at 1934 Sharston Road, Wythenshawe, Manchester, the nearest postcode is M22 4RA. The site is approximately 650m west of the M60 Junction 3 and 400m north of the M56 Junction 2. (National Grid Reference E383253 N389328).

2.3 Site description

The site currently consists of two and one storey brick buildings and car parking associated with the Siemens power distribution equipment factory which is in the process of becoming vacant. The site includes offices and warehousing, loading and unloading areas, a biomass boiler house, a cylindrical silo for biomass storage and sprinkler pump tank.

The site is approximately 1.61 ha in area and is generally flat at around 35m AOD with no significant slopes.

2.4 Site history

On site

Available historical mapping is presented within the Groundsure report in Appendix B. Earliest available mapping, dated 1872-1876, indicates the site comprised of open farm land with a road running along the north-western border, crossing into the site in the south-western corner.

The site remained undeveloped until approximately 1934 when two factories were constructed, one for the Wyrex Works (electrical products) in the northern part of the site and Moor End Factory (underwear) in the central area.

The electrical works gradually expanded east and south by the later 1950s and eventually incorporated the underwear works by 1967.

As of 1992, mapping indicates the electrical works had been extended into the site layout seen today.

Off site

The surrounding area remained predominately undeveloped until the 1930s when factories and works were constructed to the north and south. Offsite development continuing adjacent to the site throughout the 1950s with mills, depots and works constructed.

Additional Information

Information provided by the members of staff, indicates a fire occurred in the 1980's which impacted the main central office areas and warehouse area to the south east of site. The extent of the damage is not recorded; however, it is understood the existing building structures were retained.

2.5 Geology

The British Geological Survey (BGS) plans the site is underlain by Glaciofluvial Sheet Deposits (sand and gravel). Whilst not shown on the mapping Glacial Till is expected to be present beneath the Glaciofluvial Sheet Deposits.

Bedrock at the site is shown as the Tarporley Siltstone Formation of the Mercia Mudstone Group. However, the geological mapping suggests this may transition to either the Helsby Sandstone Formation or Wilmslow Sandstone Formation of the Sherwood Sandstone Group at shallow depth.

A geological fault exists just offsite to the east.

2.6 Hydrogeology

The superficial deposits below the site are classed by the Environment Agency as a Secondary A Aquifer. BGS boreholes to 300m east of the site appear to show the sand to become clayey or sandy gravelly CLAY to be present associated with the Glacial Till mapped 200m east.

The base flow contributions to the River Mersey from groundwater onsite are anticipated to be of low volume. This due to the restricted flow of groundwater towards the River Mersey as it meets the horizons of lower permeability clayey sand or clay recorded in boreholes to the east. The River Mersey is likely to be in hydraulic continuity with the younger Alluvium mapped 300m east.

The Tarporley Siltstone Formation is classified as a Secondary B Aquifer with the Wilmslow Sandstone Formation 23m to the east of site (and potentially below the Tarporley Siltstone below the site) is classified as a Principal Aquifer.

The site is not within a groundwater source protection zone (SPZ) and there are no active groundwater abstractions within 1km of the site boundary.

The environmental data report indicates a moderate risk of groundwater flooding. The site currently comprises hardstanding and buildings across its entirety therefore recharge to the groundwater in the Glaciofluvial Sheet Deposits will occur offsite. Its therefore considered unlikely that the site would be impacted by groundwater flooding, given the restricted recharge to the water table.

2.7 Hydrology

The closest surface water feature is the River Mersey approximately 500m to the north east of the site. Although two smaller inland rivers exist on the nearby Didsbury Golf course offsite to the east.

Reference to the Environment Agency website shows the site is located within the catchment of the Mersey Upper Management Catchment, with the specific river water body being the Sinderland Brook (Fairwell Bk and Baguley Bk) Water Body. The current (2022 cycle 3) overall status under the Water Framework Directive is 'moderate'.

There are no active surface water abstractions within 500m of the site.

2.8 Flood risk

The proposed development is in Flood Zone 1 (with a low probability of flooding). The risk from surface flooding is classified as a medium flood risk area (a chance of flooding of between 1 in 100 (1%) and 1 in 30 (3.3%))

Further assessment of flood risk is beyond the scope of this report. Specialist flood risk advice should be sought with regard to drainage and flooding.

2.9 Mining or mineral extraction

The site is not located within an area known to be at risk from historical mining or mineral extraction.

2.10 Natural ground instability

Shallow groundwater within the Glaciofluvial Sheet Deposits could lead to excavation instability or running sands conditions. The ground investigation will need to confirm the depth of the groundwater table to confirm if further mitigation is required.

Given that granular Glaciofluvial Sheet Deposits will overly the Glacial Till, it's considered unlikely that shallow cohesive soils are present which could be impacted by shrink/swell.

2.11 Waste management

There are no active waste management sites recorded within 250m of the site.

A historical landfill is present approximately 140m to the east of site, with no information on the waste accepted.

2.12 Regulatory information

Information provided in the provided indicate the following significant regulatory controls in the general area of the site:

- An environmental permit for the operation of the onsite biomass boiler, which has since been removed.
- Two pollution incidents to controlled waters were recorded on site in 1994 and 1995, with unknown pollutants impacting groundwater in the 1994 incident.

2.13 Natural soil chemistry

The Groundsure environmental report indicates no potentially harmful metals at significant concentrations above the natural background levels.

2.14 Radon and ground gas

The Groundsure report indicates that the site is not within a Radon Affected Area, where recorded radon levels in less than 1% of homes are above the action level.

No radon protection measures are likely to be required for new buildings in the area in line with current guidance.

2.15 Unexploded ordnance (UXO)

The preliminary UXO risk assessment (1st Line Defence, Reference: PA21131-00, see Appendix B), indicates the risk from UXO is not considered to be higher than the 'background' level in the general area and that no further action is required.

2.16 Asbestos

The provided phase I report indicates the asbestos register (2020) listed a number of known or presumed asbestos containing materials including cement sheeting to roofs, guttering and downpipes, electrical equipment, floor tiles, ceiling panels, and insulating boards.

3. Initial conceptual site model

3.1 Introduction

The initial Conceptual Site Model (CSM) incorporates evidence from the site walkover, the desk study and previous investigations carried out at the site. The formulation of an initial CSM is a key component of the LCRM methodology, and incorporates: a ground model of the site physical conditions; and an exposure model of the possible contaminant linkages. It forms the basis for generic quantitative risk assessment (GQRA) in accordance with current guidelines.

3.2 Ground model

The preliminary ground model presented in Section 3.2 provides an understanding of the ground conditions and is the basis for preparing the preliminary geotechnical hazard assessment (Section 6) and the preliminary geo-environmental exposure model (Section 7).

3.3 Geotechnical hazard identification

3.3.1 Context

The preliminary geotechnical hazard identification has been undertaken in accordance with the general requirements of ICE/DETR Document 'Managing Geotechnical Risk' and the HE documents CS 641 and CD 622.

The following section sets out the identified geotechnical hazards and the development elements potentially affected (see Appendix H for further information).

3.3.2 Plausible geotechnical hazards

Plausible geotechnical hazards identified at the site are:

- Uncontrolled Made Ground (variable strength and compressibility).
- Soft / loose compressible ground (low strength and high settlement potential).
- Attack of buried concrete by aggressive ground conditions.
- Buried obstructions.
- Shallow groundwater.
- Changing groundwater conditions.
- Running sands and loose Made Ground, leading to difficulty with excavation and collapse of side walls.

3.3.3 Potential development elements affected

Development elements potentially affected by geotechnical hazards are:

- Buildings – foundations.
- Buildings – floor Slabs
- Roads and pavements.
- Services.
- Construction staff, vehicles and plant operators.
- Concrete below ground.

Health and safety risks to site Contractors and maintenance workers have not been assessed during these works and will need to be considered separately during design.

The above plausible geotechnical hazards and development elements affected have been carried forward for investigation and assessment. The investigation is presented in Section 5.8 and the assessment is presented in Section 6.

3.4 Geo-environmental exposure model

3.4.1 Context

The preliminary exposure model is used to identify geo-environmental hazards and to establish potential contaminant linkages, based on the source-pathway-receptor (SPR) approach.

A viable contaminant linkage requires all the components of an SPR to be present. If only one or two are present, there is no linkage and no further assessment is required.

3.4.2 Potential contaminants

For the purpose of this assessment the potential contaminants have been separated according to whether they are likely to have originated from an on-site or off-site source.

3.4.2.1 Potential on-site sources of contamination

- Made Ground associated with current and historical use of site, possibly including contamination resulting from leaks and spills of oils, hydrocarbon and solvents and PFAS; (S01)
- Asbestos containing materials or non-visible loose fibres within the Made Ground (S02)
- Asbestos within existing buildings (S03).

3.4.2.2 Potential off-site sources of contamination

- Ground gases (carbon dioxide and methane) from nearby landfill; (S04)

No Potential receptors

The following potential receptors in relation to the proposed land use have been identified.

- People (neighbours, site end users) (R01).
- Development end use (buildings, utilities and landscaping) (R02).
- Groundwater: Secondary A aquifer status of the Glaciofluvial Sheet Deposits (R03).

The Secondary A aquifer status of the Glaciofluvial Sheet Deposits is being driven by the requirements for protection of the River Mersey, although it is noted that these deposits appear to pinch before the River Mersey. The aquifer is unlikely to provide the storage capacity to support groundwater abstraction at a local or regional level, hence the absence of groundwater abstractions within 1km of the site.

The base flow contributions to the River Mersey from groundwater onsite are anticipated to be minimal.

3.4.3 Potential pathways

The following potential pathways have been identified.

- Ingestion, skin contact, inhalation of dust and outdoor air by people (P01).
- Methane ingress via permeable soils and/or construction gaps (P02).
- VOC and petroleum hydrocarbon vapour ingress via permeable soils and/or construction gaps (P03).
- Migration of contaminant via leachate migration through the superficial deposits; (P04).
- Migration of contaminant from the groundwater within the superficial to the groundwater within the Tarporley Siltstone Formation aquifer (P05).

Health and safety risks to site development contractors and maintenance workers have not been assessed as part of this study and will need to be considered separately.

The above sources, pathways and receptors have been considered as part of the Preliminary Risk Assessment in accordance with LCRM (2023), are considered to be plausible in the context of this site and have been carried forward for investigation and assessment. The investigation is presented in Section 7 and the assessment is presented in Section 7.5. An assessment of the Source – Pathway – Receptor linkages is undertaken following the assessment and is presented in Appendix I.

3.4.4 *Potential implications of climate change*

Climate change has the potential to change the risk profile for conceptual site models and associated contaminant linkages. The impact of climate change on the CSM is site-specific, and a qualitative assessment of the potential impact of climate change on the CSM for this site is summarised below. The assessment has primarily utilised the guidance in Environment Agency (2010)[1] and SoBRA (2022)[2] which set out the UK context to climate change and land contamination. Both guidance documents advocate a "what if" scenario approach in the context of changes in ambient temperatures, an increase in the frequency of extreme rainfall/storm events and heatwaves/droughts, and long-term changes in groundwater and sea levels.

Those "what if" scenarios that are relevant to this CSM are:

- Increased long-term rainfall leading to increased infiltration and seasonally higher groundwater and water levels in surface waters - *as the site is completely covered by hardstanding and buildings, increase rainfall is unlikely to significantly impact groundwater on the site given that infiltration is likely to happen 300m east where landscaping is present.*
- Increased frequency and/or magnitude of extreme rainfall events leading to short-term surface flooding, surface water run-off, and groundwater flooding -*the risk from groundwater flooding although moderate is considered to not pose a significant risk to site given the restricted infiltration on the site and surrounding area.*
- Increased frequency and/or magnitude of storm events leading to short-term drops in barometric pressure and/or high winds - *changes in barometric pressure could impact ground gas fluxes as ground gas is drawn to the surface under drops in pressure. Although the Made Ground and Glaciofluvial Sheet Deposits are considered unlikely to contain significant degradable organic content, therefore the gas risk is very low to low,*
- Occurrence of extreme cold and hot weather events leading to changes in ground conditions such as soil temperature, evapo(trans)piration, and soil moisture (for example freeze-thaw effects and desiccation), decreased infiltration and fall in groundwater and surface water levels – *shallow cohesive soils are unlikely to be present below the site, the granular soils are unlikely to be impacted by significant changes in moisture content.*
- Long-term decrease in rainfall leading to lower infiltration and fall in groundwater and surface water levels - *Significant contamination (LNAPL) is unlikely to be present below the site, therefore decreases in groundwater will not impact the CSM.*

[1] Environment Agency, 2010. Guiding Principles for Land Contamination. Part 2. FAQs, technical information, detailed advice and references, March 2010.
[2] SoBRA, 2022. Guidance on Assessing Risk to Controlled Waters from UK Land Contamination Under Conditions of Future Climate Change, Society of Brownfield Risk Assessment, August 2022.

4. Ground investigations

4.1 Site works

The ground investigation works, including the rationale which was based on the findings of the preliminary risk assessment is summarised in Section 2.

The fieldwork took place between 9th December and 17th December 2024. The ground investigation locations were surveyed in using a Total Station GPS survey instrument and are shown on the Exploratory Hole Location Plan (Hydrock Drawing 35838-HYD-XX-XX-DR-GE-0002) in Appendix A. The logs, including details of ground conditions, soil sampling, in situ testing and any installations, are also presented in Appendix B.

Table 4.1: Summary of site works

Activity	Method	No.	Name	Depth Max. (m bgl)	In situ tests	Rationale
Drilling, Pitting and Probing						
Boreholes	Cable percussive	5	CP101-105	10	SPT PID	To investigate deeper ground conditions/ characteristics for foundation design. To collect samples for chemical and geotechnical analysis. To install gas and/or groundwater monitoring wells.
	Windowless sampler	15	WS101-115	5		To investigate shallow ground conditions/ characteristics. To collect samples for chemical and geotechnical analysis. To install gas and/or groundwater monitoring wells.

Wells for monitoring groundwater levels and ground gas concentrations, and to facilitate the sampling of groundwater, were installed in several of the windowless sampler and cable percussion boreholes. A summary of the monitoring well installations is presented in Table 4.2.

Table 4.2: Summary of monitoring installations

Location	Ground level (m OD)	Standpipe / piezometer diameter	Screen top and base depth (m bgl)	Screen top and base elevation (m OD)	Strata targeted
CP101	35.12	50	9.00 - 10.00	26.12-25.12	Glacial Till Granular
CP102	35.28		9.00 - 10.00	26.28 - 25.27	
CP103	35.03		9.00 - 10.00	26.03 - 25.03	
CP105	34.99		6.50 - 9.50	28.49 - 25.49	

Location	Ground level (m OD)	Standpipe / piezometer diameter	Screen top and base depth (m bgl)	Screen top and base elevation (m OD)	Strata targeted
WS101	35.18	50	1.00 - 2.00		Glaciofluvial sheet deposits.
WS102	-		1.00 - 3.00		
WS103	-		1.00 - 3.00		
WS104	35.27		1.00 - 3.00	34.27 - 32.27	
WS105	-		1.00 - 3.00		
WS106	-		1.00 - 2.00		
WS107	-		1.00 - 3.00		
WS108	-		1.00 - 3.00		
WS109	34.85		0.90 - 1.90	33.95 - 32.95	
WS112	-		1.00 - 3.00		
WS113	-		1.00 - 3.00		
WS114	35.01		1.00 - 2.00	34.01 - 33.01	
WS115	36.01		0.70 - 2.70	35.01 - 33.01	

Those boreholes where levels were not obtained was due to the presence of existing buildings which restricted obtaining of a GPS signal even with the Total Station.

4.2 Geo-environmental testing

4.2.1 Sampling strategy and protocols

Exploratory hole positions were determined by reference to the site conditions and uncertainties identified in the Initial Conceptual Model.

Samples were taken, stored, and transported in general accordance with BS 10175:2011+A2:2017.

4.2.2 Site screening tests

A photoionization detector (PID) (Tiger Phocheck 11.7ev) was used during the fieldwork to screen samples. In addition, Ramboll undertook screening of soils using a 10.6eV PID. The PID readings are detailed on the exploratory hole logs in Appendix B.

4.2.3 Geo-environmental monitoring

Gas monitoring boreholes have been monitored on four occasions. The results are presented in Appendix E.

4.2.4 Geo-environmental laboratory analyses

As part of the ground investigation work, Ramboll undertook chemical testing on samples collected from the Made Ground and shallow natural ground. The data is presented within the Ramboll Factual Report included in Appendix F.

4.2.5 Groundwater sampling

Following completion of the boreholes, Ramboll undertook a programme of well development for the wells proposed for groundwater sampling. The works were undertaken on 18th and 19th December 2024 and full details are provided within the Ramboll Factual Report included in Appendix F.

Ramboll collected groundwater samples from the groundwater monitoring wells on 14th and 15th January 2025 using a low flow sampling technique (peristaltic pump). All samples were tested for a range of heavy metals and inorganics, PAH, TPH CWG, VOC and SVOC. Groundwater sampled from CP103, WS105, WS107, WS108 and WS113 were analysed for PFAS. Full details of the sampling methodology and the laboratory testing results are presented within the Ramboll Factual Report included in Appendix F.

4.3 Geotechnical testing

The geotechnical tests undertaken by Hydrock are summarised in Table 4.3 and the test certificates are provided in Appendix D. Wherever possible, UKAS accredited procedures have been used.

Table 4.3: Summary of sample numbers for geotechnical tests

Test	Made Ground	Glaciofluvial Sheet Deposits	Glacial Till - Cohesive
Natural moisture content	2	5	8
Atterberg limits	-	1	8
Particle size distribution (sieve/sedimentation)	3	4	1
Sulphate and aggressive chemical environment classification for buried concrete classification (full BRE SD1 suite)	4	4	2
Single stage undrained triaxial compressive strength	-	-	5
One dimensional oedometer consolidation	-	-	3
Remoulded California Bearing Ratio (unsoaked)	2	4	-
Organic Matter	1	4	1

The geotechnical test data summarised in Section 5.8 and interpreted in Section 6.

5. Ground investigation records and data

5.1 Physical ground conditions

5.1.1 Summary of strata encountered

The following presents a summary of the properties of the ground and groundwater conditions encountered, based on field observations, interpretation of the field data and laboratory test results, taking into account drilling, excavation and sampling methods, transport, handling and specimen preparation.

All relevant data from the Hydrock investigation discussed in Section 4 are used from this point forward.

Details of the Hydrock ground investigation works are provided in the logs in Appendix B, a summary of the ground model is presented in Table 5.1 and the individual strata are described in the sections below.

Table 5.1: Strata encountered

Stratum	Depth to top (m bgl)	Depth to base (m bgl)	Thickness (m) (range)	Thickness (m) (average)
Surface Cover – Concrete hardstanding	Ground Level	0.15 - 0.20	0.15 - 0.20	0.17
Surface Cover – bituminous hardstanding	Ground Level	0.05 - 0.10	0.05-0.10	0.07
Made Ground	0.05 – 0.80	0.30 – 0.80	0.10 – 0.75	0.37
Glaciofluvial Sheet Deposits	0.30 – 0.80	3.00 – 3.90	2.20 – 3.20	2.74
Glacial Till – cohesive	3.00 – 3.90	4.00 – 9.30	2.00 – 5.70	3.88
Glacial Till - granular	8.70 – 9.30	>10.00	Unproven	Unproven

5.1.2 Surface covering

The following surface cover was identified during the fieldworks:

- Concrete hardstanding, covering approximately 90% of the site and noted to be in good condition.
- Bituminous bound pavement hardstanding, covering approximately 10% of the site and noted to be in good condition.

5.1.3 Bituminous hardstanding

The thickness of the cores recovered ranged from 50mm to 100mm, with an average thickness of 70mm recorded. The bituminous hardstanding was found to rest directly on the Made Ground.

5.1.4 Concrete hardstanding

Concrete hardstanding was encountered across the majority of the site, including inside the existing buildings, ranging from 150mm to 200mm, with an average thickness of 170mm. The concrete was found to rest directly the Made Ground. There was no evidence of reinforcement within the concrete hardstanding.

5.1.5 *Made Ground*

Made Ground was encountered across the site in all exploratory locations and generally comprised of gravelly, locally clayey sand, with gravels of brick, concrete, rare asphalt, and clinker and natural lithologies.

The Made Ground ranged in thickness from 0.1m to 0.75m with an average of 0.37m.

5.1.6 *Glaciofluvial Sheet Deposits*

The glacifluvial sheet deposits were encountered underlying the Made Ground in all exploratory hole locations and alternated between granular and cohesive.

The granular glaciofluvial sheet deposits primarily consisted of medium dense to dense light grey/orangish brown gravelly SAND, with occasional lenses of soft clay and were encountered from 0.3m bgl with an average thickness of over 9.6m. The SAND is locally loose where the groundwater was struck at 2.8m to 3.0m bgl.

5.2 Glacial Till - cohesive

Glacial Till was encountered below the Glaciofluvial Sheet Deposits at circa 3.0m to 3.9m and consisted of generally firm to stiff high strength dark brown slightly sandy, slightly gravelly CLAY with an average thickness of over >6.4m.

5.3 Glacial Till - granular

Within the CP101, CP102, CP103 and CP105 the Glacial Till was encountered as granular deposits towards the base of the cohesive with the top encountered between 8.7m and 9.0m. The granular Glacial Till comprising a medium dense to dense orangish brown very gravelly SAND.

5.4 Obstructions

Obstructions were encountered in several boreholes during the investigation. These intrusive locations are summarised in Table 5.2.

Table 5.2: Obstructions encountered

Stratum	Location	Depth (m bgl)	Description
Made Ground	CP104	0.50	Concrete obstruction and suspected service.
Made Ground	CP104A	0.55	Brick obstruction and suspected service.
Made Ground	WS110A	0.78	Concrete obstructing hand pit.

5.5 Visual and olfactory evidence of contamination (soil)

No visual or olfactory evidence of contamination was encountered during the investigation.

5.6 Groundwater

5.6.1 *Groundwater observations and levels*

Groundwater encountered during the investigation is listed in Table 5.3. A groundwater observation represents the depth at which groundwater was first observed and is likely to be deeper than the actual water table level at that location.

Table 5.3: Groundwater occurrence

Stratum	Date	Location	Fieldwork	
			Groundwater observation (m bgl)	Rose to after 20 mins (m bgl)
Glaciofluvial Sheet Deposits	09/12/24	CP103	3.20	
	12/12/24	WS103	2.80	-
	12/12/24	WS107	2.80	-
	11/12/24	WS108	2.70	-
	12/12/24	WS111	3.00 4.00	-
	10/12/24	WS112	2.80	-
	10/12/24	WS113	2.80	-
	17/12/24	WS114	2.95	-
Granular Glacial Till	11/12/24	CP101	9.00	5.90
	12/12/24	CP102	9.30	7.00
	09/12/24	CP103	8.70	-
	16/12/24	CP105	5.50	5.00

Groundwater levels recorded during post-fieldwork monitoring are summarised in Table 5.4.

Table 5.4: Groundwater level data summary

Stratum	Date range	Location	Post-fieldwork monitoring	
			Depth to groundwater (range) (m bgl)	Groundwater elevation (range) (m OD)
Glaciofluvial Sheet Deposits	18/12/24 - 29/01/24	WS101	DRY	-
		WS102	DRY	-
		WS103	2.19 to 2.38	-
		WS104	1.66 to 2.54	33.61 to 32.73
		WS105	2.20 to 2.37	-
		WS106	DRY	-
		WS107	2.33 to 2.46	-
		WS108	2.20 to 2.39	-
		WS109	DRY	-
		WS112	2.63 to 2.75	-
		WS113	2.47 to 2.61	-
		WS114	DRY	-
		WS115	2.71 to 2.79	33.30 to 33.22
Granular Glacial Till	18/12/24 - 29/01/24	CP101	5.12	30.00
		CP102	4.96 to 5.10	30.18 to 30.32
		CP103	4.97	30.06
		CP105*	2.7 to 2.85	32.14 to 32.33

**CP105 was unable to be monitored due to surface flooding across the well cap.*

5.6.2 *Visual / olfactory evidence of contamination (water)*

No visual or olfactory evidence on contamination was encountered during the investigation or field monitoring.

5.6.3 *Groundwater summary*

In general, shallow groundwater was encountered within the Glaciofluvial Sheet Deposits at the base of the shallow granular stratum sitting above the cohesive layer at approximately 3.0m bgl, in the windowless sampler boreholes.

Deeper groundwater was encountered in the superficial deposits at the base of the cable percussive boreholes, when the cohesive Glacial Till changed back into a granular Glacial Till at approximately 9.0m bgl.

A review of local levels appears to the bank of the River Mersey is at 30m AOD, therefore the base of the channel will likely be circa 25-26m AOD.

The post fieldwork monitoring between those boreholes where levels were obtained appear to show the shallow groundwater in the Glaciofluvial Sheet Deposits is flowing towards the north east from 33.26m AOD to 32.84m AOD. The deeper groundwater in granular Glacial Till struck at 9.0m (26.0m AOD) a similar depth to the anticipated base of the River Mersey Channel. The deeper groundwater is confined by 6.0m thickness of low permeability cohesive Glacial Till.

Given the presence of low permeability clayey sand and clay, and the geological records that indicate that the Glaciofluvial Deposits pinch out to the east, it is considered that the shallow groundwater is unlikely to be in direct continuity with the River Mersey. The level of the deeper groundwater at 26m AOD would suggest that it is potentially providing base flow to the River Mersey where the channel base will be circa 25-26m AOD. Given the deeper groundwater is confined by low permeability cohesive Glacial Till it will be protected from the downward migration of contamination and therefore the site is not considered to pose a risk to the groundwater within the deeper granular deposits.

5.7 Ground gases (carbon dioxide and methane)

Records from the gas monitoring boreholes are presented in Appendix E and summarised in Table 5.5.

Four monitoring visits have been undertaken and the monitoring programme is complete. The data are assessed in Section 7.7.

Table 5.5: Range of ground gas data

Stratum	Methane (%)	Carbon dioxide (%)	Oxygen (%)	Steady flow rate (l/hr)	Comment
Glaciofluvial Sheet Deposits	0.1	0.3 – 4.5	16.2 -21	0.1- 0.7	Carbon monoxide and hydrogen sulphide remained below the limit of detection.

5.8 Geotechnical data

5.8.1 *Introduction*

Laboratory test results are contained in Appendix D with *in situ* test results shown on the relevant exploratory hole log or datasheet in Appendix B. The following sections summarise the main findings and provide interpretation where appropriate.

5.8.2 Plasticity

The volume change potentials in terms of BRE Digest 298 with respect to building near trees have been determined from the results of plasticity index tests on samples of soil. These are summarised in Table 5.6.

Table 5.6: Volume change potential

Stratum	No. of tests	Plasticity Index			Modified Plasticity Index			Plasticity designation	Volume Change Potential
		Min.	Max.	Av.	Min.	Max.	Av.		
Glaciofluvial Sheet Deposits *	1	29	29	29	29	29	29	Medium	Medium
Glacial Till - cohesive	8	13	28	20	11	28	18	Low to High	Low to Medium

***Likely representative of local clayey pockets in the granular as the fine contents in the granular soils as shown by the PSDs were <15%.**

5.8.3 Particle size distribution

Particle Size Distribution test (PSDs) results are summarised in Table 5.7 and summary descriptions and PSD plots of the material analysed are presented in Appendix D.

Table 5.7: PSD results summary

Stratum	No. of tests	Silt/Clay %	Sand %	Gravel %	General description
Made Ground	2	10 - 40	22 -51	62	very sandy clayey GRAVEL or slightly gravelly sandy CLAY
Glaciofluvial Sheet Deposits	6	2 - 37	22 - 51	13 - 76	very sandy clayey GRAVEL / very gravelly clayey SAND.
Glacial Till - cohesive	1	72	23	5	slightly gravelly slightly sandy CLAY

5.8.1 Soil strength

Table 5.8 summarises information pertaining to the shear strength of the soils according to geological stratum. Factual results are summarised for laboratory tests, field tests (e.g. hand shear vane) and uncorrected Standard Penetration Tests (SPT N_{60}). Where the SPT N_{60} is used to infer shear strength by published correlation, this is also tabulated.

Table 5.8: Soil strength results and derived values

Stratum	No. of tests	SPT N_{60} (range)	c_u (kPa)	c' (kPa)	phi' (°)**	Method
Glacial Till - cohesive	5	18 – 41	90-205	0	25-27	SPT – cable percussion
	15	7 -25	35-125			SPT -windowless sampler boreholes
	5	-	79 - 152			Laboratory Triaxial Test

*An f_1 value of 5has been used based on a plasticity index of 19. (Tomlinson (2001), after Stroud)).

**Internal friction (φ') values for the cohesive in-situ material derived from BS 8004-2015+A1:2020, where φcv' is derived from plasticity index. The use of φcv' in the analysis is considered to provide a conservative estimate of φ'.

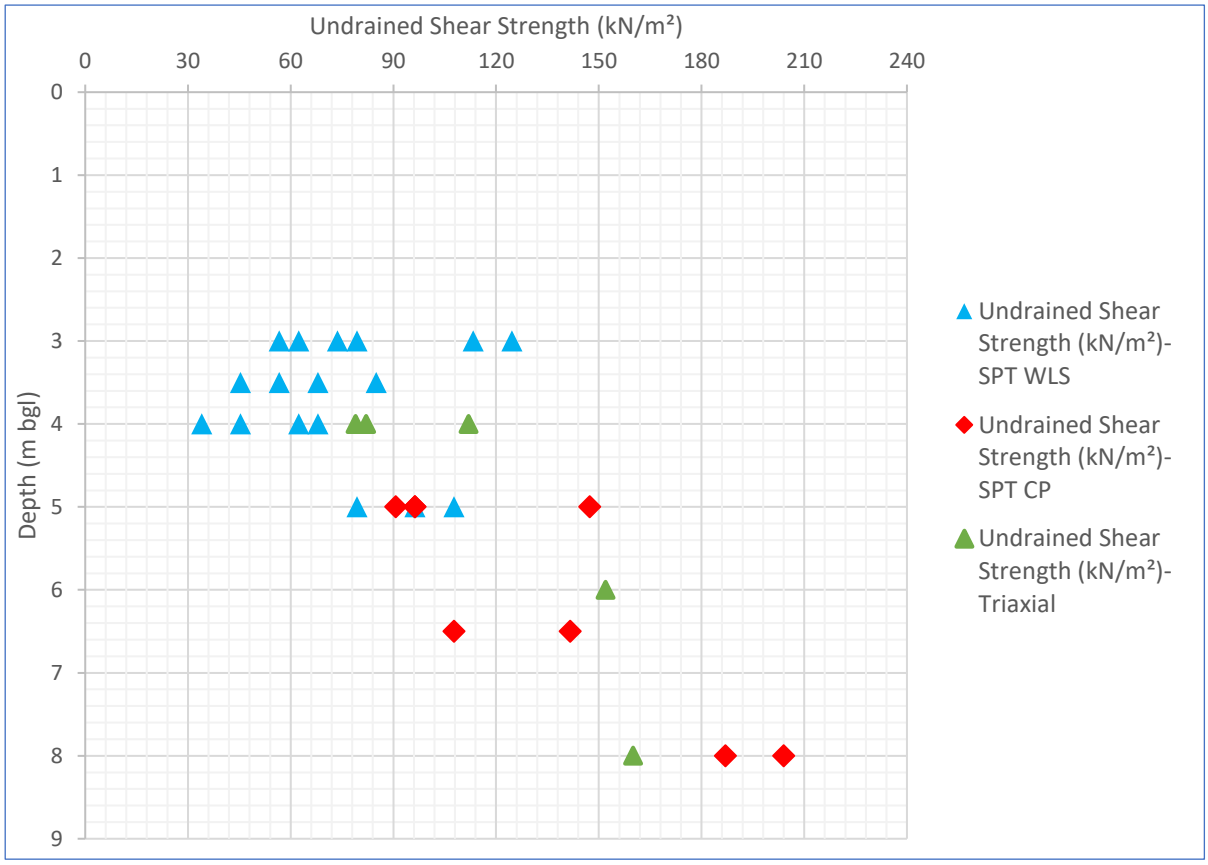


Figure 5.1: Undrained shear strength versus depth summary

As shown by Figure 5.1, between 3.0m and 4.0m the cohesive Glacial Till are medium strength with values in the order of 45-75kN/m^2 with some locally high strength clays. Below 5.0m the strength profile continues to increase and becomes high strength with values in the order of 90-147kN/m^2. Below 8.0m the cohesive Glacial Till are of very high strength with an undrained shear strength between 160 and 204kN/m^2.

5.8.2 *Relative density*

Table 5.9 summarises information pertaining to the relative density of the granular soils according to geological stratum. Factual results are summarised for laboratory tests, field tests and A SPT 'N_{60}' value versus depth profile is summarised in Figure 5.2. Plots are presented in Appendix D.

Table 5.9: Relative density results and derived values

Stratum	No. of tests	Method	SPT N_{60} (N-value) (Range)	phi' (°)
Glaciofluvial Sheet Deposits	32	SPT – windowless sampler boreholes	7 - 57	29 – 42
	11	SPT – cable percussion boreholes	8 - 45	29 - 41
Glacial Till - granular	2	SPT – windowless sampler boreholes	18 -28	33 – 37
	6	SPT – cable percussion boreholes	19 - 54	34 - 43

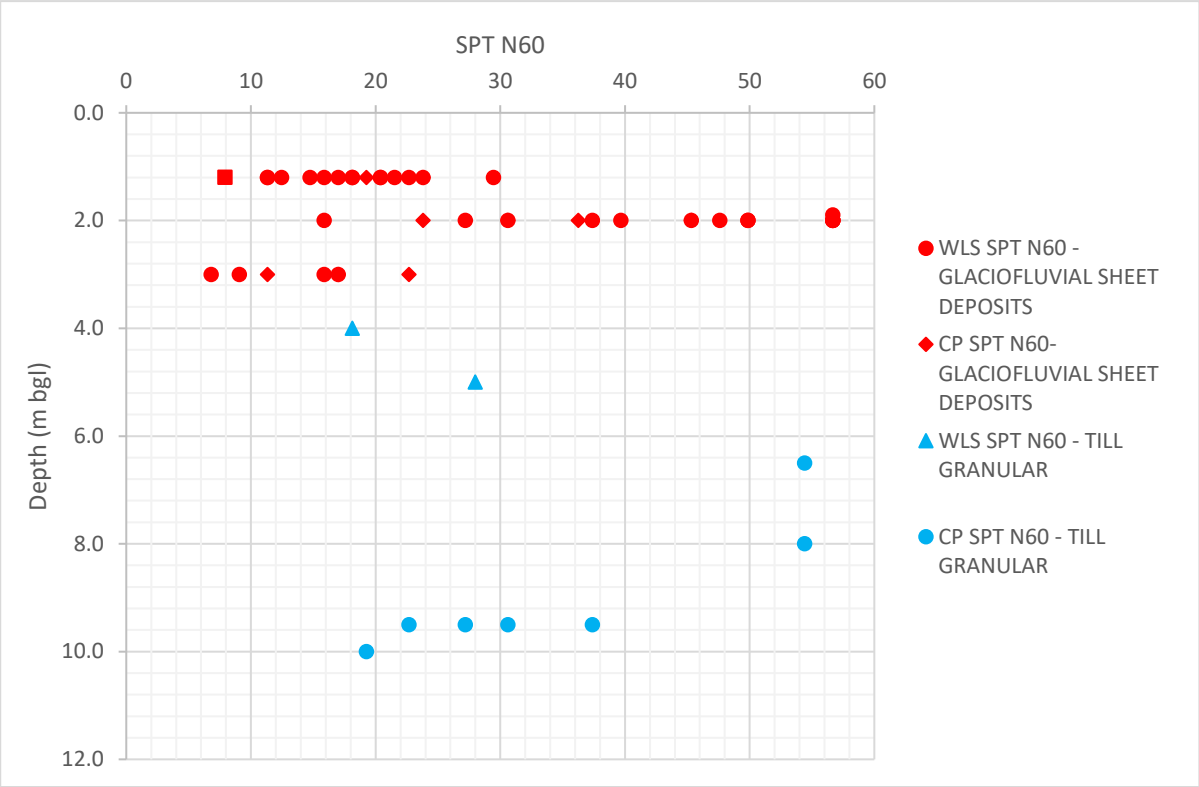


Figure 5.2: SPT N_{60} value versus depth summary

The SPT N_{60} within the granular Glaciofluvial Deposits at 1.2m bgl are generally medium dense between 11 and 29N, locally loose in CP103 at 7N. At 2.0m bgl they are predominantly dense with values predominately in the range 31 to 57N, reducing back to medium at 3.0m to 4.0m bgl. The deeper granular Glacial Till which underlies the cohesive Glacial Till at 6.5m to 10.0 are generally medium dense to dense with values between 19 and 37N locally some very dense layers at 7.0m and 8.0m bgl.

5.8.3 Compressibility

Table 5.10 presents a summary of the derived parameters for coefficient of consolidation and compressibility. The data indicates that the cohesive Glaciofluvial Deposits are generally of low to medium compressibility over the pressure ranges pressure ranges likely to represent the overburden on the site given the limited earthworks required. The SPT correlations shows the cohesive soils are of low to medium compressibility.

Table 5.10: Summary of compressibility

Stratum	No. of tests / results	Method	Pressure range (kN/m^2)	Coefficient of volume compressibility (m_v) (m^2/MN)	Coefficient of consolidation (C_v) (m^2/yr)
Glacial Till - cohesive	25	Correlation with SPT N_{60}*	-	0.29 – 0.05	-
	2	One Dimensional Oedometer Testing	0-20 20-40 40-80 80-160 Unload	0.15-0.16 0.39-0.42 0.37-0.56 0.23-0.24 0.05	0.75-2.3 1.2-13 0.82-37 0.77-2.5 -

**An F2 value of 0.45 has been used for granular and 0.55 for cohesive.*

5.8.4 Subgrade stiffness

The subgrade stiffness (CBR and Subgrade Surface Modulus) results are summarised in Table 5.11.

Table 5.11: CBR results and derived values

Stratum	No. tests	Method	Subgrade Surface Modulus r (MPa) (Range)	CBR (%) (Range)
Made Ground	1	Laboratory remoulded sample at Natural Moisture Content (NMC)	5	0.52
Glaciofluvial Sheet Deposits	4		135	19-33
Where using the CD255 method, 'k' has been back calculated from the Equivalent CBR.				

5.8.5 Sulphate content

In accordance with BRE (Special Digest 1), the Design Sulphate (DS) classification and the Aggressive Chemical Environment for Concrete (ACEC) classification are presented in Table 5.12. The assessment summary sheets are presented in Appendix D.

Table 5.12: Aggressive chemical environment concrete classification

Stratum	No. tests	DS	ACEC
Made Ground	3	DS-1	AC-1
Glaciofluvial Sheet Deposits	6	DS-1	AC-1
Glacial Till - cohesive	1	DS-1	AC-1

6. Geotechnical assessment

6.1 Geotechnical categorization of the proposed development

Eurocode 7, Section 2 advocates the use of geotechnical categorization of the proposed structures to establish the design requirements.

The proposed development will comprise the construction of new commercial units and associated landscaping, infrastructure and carparking. Proposals for the units are for a ground bearing floor slab which will require some quantitative geotechnical analysis as part of its design.

Based on the above, for the purposes of this investigation, the proposed structures have been classed as Geotechnical Category 2. Following ground investigation and as part of the assessment provided in the following section, the preliminary geotechnical hazard identification undertaken in Section 3.3 has been updated.

Assessment has been undertaken in accordance with the general requirements of ICE/DETR Document 'Managing Geotechnical Risk' and the HE documents HE-DMRB-G CS 641 and CD 622. The preliminary Geotechnical Risk Register following investigation is provided in Appendix H (Table J.3) and will need to be updated during future design works.

6.2 Characteristic design values

In accordance with BS EN ISO 1997-1 (EC 7), Hydrock consider the proposed structures would be classified as Category 2 structures. As part of the separate geotechnical design, the designer should determine the geotechnical design values.

Table 6.1 provides characteristic geotechnical values to assist the designer. These are based on laboratory testing, *in situ* testing and by professional judgement using published data together with knowledge and experience of the ground conditions. Care should be exercised in using these assumed soil strength parameters for any purpose beyond the scope of this report because it may be that additional sampling and testing are required for certain purposes. The reader should refer to the original test results summarised in Section 5.8 and provided in Appendix B and Appendix D.

Table 6.1: Characteristic geotechnical values

Parameter Stratum	Bulk unit weight kN/m³ γ [a]	Effective angle of internal friction ° ϕ' [b c]	Effective cohesion kN/m² c' [d]	Undrained shear strength kN/m² c_u [e]	Coefficient of compressibility m²/MN m_v [f]	Modulus of subgrade reaction (IAN73/06) MN/m²/m k [g]
Made Ground	18	-	0	-	-	5
Glaciofluvial Sheet Deposits	21	29	0	-	-	135
Glacial Till cohesive - 3 to 5.0m bgl	17	25	0	60	0.29	-
Glacial Till cohesive >5.0m bgl	19	27	0	100	0.10	-
Glacial Till granular	21	33	0	-	-	-

a. Measured as part of the triaxial strength test and estimated based on the recommendations of BS 8004-2015+A1:2020.
b. Internal friction (φ') values for the granular in situ material derived from SPT data following the recommendations of Peck et al., (1967).
c. Internal friction (φ') values for the cohesive in-situ material derived from BS 8004-2015+A1:2020, where φcv' is derived from plasticity index. The use of φcv' in the analysis is considered to provide a conservative estimate of φ'.
d. BS 8002:1994 Code of practice for Earth retaining structures, British Standards institution.
e. Site measurements and laboratory data.
f. Laboratory data.
g. Where using the CD255 method, 'Er' has been back calculated from the Equivalent CBR.

6.3 Groundwork

6.3.1 Site preparation

The redevelopment will involve demolition of the existing buildings. This should be undertaken to an appropriate specification to ensure any asset materials generated are geotechnically suitable for use, especially where it's considered to use the existing floor slabs or brickwork as a structural fill below the proposed ground bearing floor slab or as subgrade/capping layer below roads

Buried obstructions were encountered during this investigation potentially associated with sub-surface concrete slabs and there is a possibility of further such obstructions being encountered.

6.3.2 Groundworks

Following breaking out of hardstanding obstructions, excavation of shallow soils should be readily undertaken by conventional plant and equipment. However, excavation through any buried construction may require heavy-duty excavation plant and the use of specialist breaking equipment.

Continuous collapse of the sands in the windowless sampler boreholes was noted during the investigation where groundwater ingress occurs at circa 2.0m in the Glaciofluvial Sheet Deposits, therefore, temporary trench support, or battering of excavation sides may be required for all excavations that are to be left open for any length of time and also likely to be required where man entry is required.

A risk assessment of the stability of any open excavation should be undertaken by a competent person and appropriate measures adopted to ensure safe working practise in and around open excavations. Further guidance on responsibilities and requirements for working near, and in, excavations can be obtained from the Construction Design and Management Regulations (2015); Construction Information Sheet 47: Inspections and Reports (2005) and HSG47: Avoiding Danger from Underground Services.

To ensure no loads are imposed on the sides of the excavation, spoil should not be placed immediately adjacent to the excavation. Spoil should be placed a suitable distance from the side of the excavation (as assessed by a competent person).

Based on site observations, excavations down to 2.0m should stay dry. Below 2.0m the rate of water ingress to the proposed excavations is likely to be slow. In these circumstances, groundwater control by sump pumping is likely to be sufficient.

However, it should be recognised that groundwater levels may vary from those at the time of the investigation, for example in response to seasonal fluctuations and the timing of construction may dictate the extent of groundwater control required.

Any water pumped from excavations may need to be passed via settlement tanks (to reduce suspended solids) before being discharged to the sewer. Discharge consents may also be required.

6.3.3 Earthworks/reuse of site-won materials

At this stage, Hydrock is not aware of proposals for earthworks at the site.

Should earthworks be required, supplementary earthworks testing and an earthworks specification will be necessary to ensure the appropriate management and reuse of the existing soils.

If significant earthworks are required, the works may be Category 2 in accordance with BS EN ISO 1997-1 (EC 7) and further geotechnical design may be necessary. Once site proposals have been

further defined more specific consideration will need to be given to the reuse of materials and reference should be made back to this office.

6.4 Foundation recommendations

In accordance with EC7, BS EN 1997-1+A1 (2013) the proposed commercial units are considered to be Geotechnical Category 2. Recommendations for Geotechnical Category 2 structures are presented to aid development proposals only. A separate geotechnical design will be required at the design stage.

Subject to detailed geotechnical design, the safe bearing pressures for foundations in this report take into consideration the risk of shear failure of the ground (ultimate limit state). However, they do not assess acceptable limits of settlement (serviceability limit state). Serviceability limit state assessment will need to be undertaken as part of the separate geotechnical design.

6.4.1 Pad foundations

Pad foundations are considered suitable across the site to support the proposed commercial units. The pad foundations should be founded at least 300mm into the medium dense sands of the Glaciofluvial Sheet Deposits.

A safe allowable bearing pressure of 100kN/m^2 should be available for a pad foundation of up to 3.0m by 3.0m bearing at least 300mm into the medium dense sand across most of the site. Pad Foundation are likely to be founding at circa 1.10-1.20m bgl to ensure they are at least 300mm into the sands.

Locally deeper pads will be required in the vicinity of CP103 where the sands are loose with an N_{60} of 8N at 1.20m bgl. If an allowable bearing pressure of 70kN/m^2 is unsuitable at 1.20m bgl for design, then pads should be deepened locally to 2.00m bgl where the safe allowable bearing pressure of 200kN/m^2 should be available.

The permissible net bearing pressures for foundations detailed in this report are subject to detailed geotechnical design. They take into consideration the risk of shear failure of the ground (ultimate limit state). However, they do not assess acceptable limits of settlement (serviceability limit state). Serviceability limit state assessment also will need to be undertaken as part of the separate geotechnical design.

If trees are to be removed, the roots should be grubbed out and foundations extended to below the zone of disturbance created by this activity and to below any remaining root hairs.

Foundation formations should be inspected by a geotechnical engineer or other suitably competent person to ensure the founding conditions are suitable and as indicated in this report. Any formation materials deemed as unsuitable should be excavated and replaced with lean mix concrete or deepened to suitable strata. If this is not possible, alternative solutions (such as piling) should be undertaken.

Foundation excavations should be protected from rainfall, inflow of surface water, frost and freezing conditions. They should also be protected from drying out in hot dry weather.

6.5 Ground floor slabs

For the purposes of preliminary ground bearing floor slab assessment, a modulus of sub-grade reaction of 130MN/m^3 can be assumed for design purposes, based upon the lowest laboratory remoulded CBR results in the natural sands (Glaciofluvial Sheet Deposits) of 19%.

The overlying soft to firm cohesive Made Ground would be unsuitable to support the ground bearing floor slab in its current state due to the modulus of sub-grade reaction of <12MN/m^3 based

on a laboratory remoulded CBR value of 0.52%. In-situ plate load testing could be undertaken on these soils prior to final design to correlate with the laboratory testing.

Given that the soft to firm cohesive Made Ground is present to 0.50m bgl it is possible that it would be removed to allow for the construction of the ground bearing floor slab, with the floor slab sitting on the suitable natural sands of the Glaciofluvial Sheet Deposits. If the Made Ground is to remain, lime stabilisation could be used to improve the achieved CBR within the cohesive Made Ground, subject to additional sulphate testing and confirmation of acceptable limits of swelling.

6.6 Roads and pavements

Based on the test results and subject to *in situ* testing during construction, it is considered likely an equilibrium CBR of 2.5% will be achievable over the majority of the site.

Proof rolling of the formation level will be required and any loose or soft spots should be removed and replaced with an engineered fill, in accordance with a suitable specification. The formation level will also need to be protected during inclement weather from deterioration; all slopes should be trimmed to falls to shed rain water and the surface sealed to limit infiltration.

Prior to the placement of the founding materials and the construction of the road pavement, the sub-formation and formation will need to be inspected and checked in accordance with a suitable specification to ensure the ground conditions are as expected. All testing should be carried out in accordance with DMRB IAN 73/06 to confirm that the ground conditions at time of construction are consistent with the previous design parameters.

6.7 Buried concrete

Based on guidelines provided in BRE Special Digest 1 (BRE 2005) and the information presented in Section 5.8.5:

» All soils (Made Ground, Glaciofluvial Sheet Deposits and cohesive Glacial Till can be classified as Design Sulphate Class DS-1 and ACEC Class AC-1.

The designer should check and confirm the classification of concrete using the information presented in Appendix B and Appendix D during the design.

7. Geo-environmental assessment

7.1 Objectives

The objectives of the geo-environmental assessment present in the following sections are to:

- screen out contaminant linkages that do not potentially pose an unacceptable risk to defined receptors
- identify whether the ground conditions are suitable for the proposed land use from a land contamination perspective
- identify contaminant linkages that potentially pose an elevated risk or are associated with a level of uncertainty that warrants further consideration

7.2 Updated conceptual model

7.2.1 Updated ground model

The initial CSM developed from the desk study (Section 3) has been updated using the findings of the ground investigation and is presented in (Section 5). The updated CSM is the basis for the geo-environmental assessment presented in this section.

7.2.2 Updated exposure model

Following the ground investigation, the plausible contaminant sources, receptors and pathways identified in the preliminary geo-environmental exposure model (Section 3) have been updated or confirmed as follows.

Sources

The following potential source has been removed from the exposure model.

- Ground gases (carbon dioxide and methane) from nearby landfill. - *as ground gas monitoring found no elevated gas concentrations which would likely be associated with landfill gas migration.*

The following source has been added to the exposure model.

- Asbestos containing materials in the Made Ground- *as hard cement type asbestos was encountered within the Made Ground in WS110 at* 0.3m bgl.

Receptors

No receptors have been removed from, or added to, the exposure model.

Pathways

No pathways have been removed from, or added to, the exposure model.

Using the updated ground model and updated exposure model, generic risk assessment is undertaken as presented below.

7.3 Risk assessment approach

Using the updated CSM, a generic quantitative risk assessment (GQRA) for identified receptors based on all media sampled has been undertaken in accordance with the principles of LCRM.

Firstly, the risks associated with the identified potential contaminant linkages have been estimated using standardised methods (typically involving comparison of site data with published 'screening values'). Secondly, where screening values are exceeded, the result has been evaluated in an authoritative review of the findings with other pertinent information to determine whether or not the exceedance is or is not acceptable in the site-specific circumstances.

The data sets used in the assessment comprise the analytical results obtained by Hydrock and Ramboll.

In cases where potentially unacceptable risks are indicated and/or the land is potentially unsuitable for its intended use, actions such as more advanced stages of risk assessment (detailed quantitative risk assessment (DQRA)) or remediation are proposed.

7.4 Data sets

The data used in this report is based on the conceptual site model and the proposed development, and is taken to be the entire area of the site / based on the following site zones, with the data separated into Made Ground and natural soils.

GAC based on a soil organic matter (SOM) 2.5% for Made Ground and 2.5% Glaciofluvial Sheet Deposits based on laboratory results.

7.5 Human health risk assessment

7.5.1 Generic Assessment Criteria

The soil screening values used are generic assessment criteria (GAC) (i.e. derived in accordance with EA CLEA guidance (2009)) using the updated exposure model detailed in Defra SP1010 (2014), with the exception of published C4SLs. The term 'GAC' used in this report is inclusive of all generic soil screening values.

Based on the proposed development, GAC based on a default commercial CLEA land use scenarios have been adopted.

GAC are selected based on the following hierarchy:

- Category 4 Screening Levels (C4SL), where available.
- SoBRA Acute GAC for free cyanide, as acute dose toxicity is the primary risk driver.
- Hydrock GAC, derived by Hydrock as detailed in Appendix H.

The potential risks to human health arising from the presence of volatile contaminants in groundwater have been assessed in accordance with the SoBRA GW GAC guidance (2017). This is a preliminary approach whereby GAC have been developed using the CLEA v1.071 model for indoor air and outdoor inhalation pathways only. Exclusion screening distances for assessing vapour intrusion risk are also considered as an additional line of evidence where appropriate.

7.5.2 Assessment results

Soil and groundwater data assessment sheets are presented in Appendix F.

Made Ground

Elevated contaminants of potential concern (CoPC) have been recorded in the Made Ground and are assessed further in Section 7.5.3.

Glaciofluvial Sheet Deposits.

Based on the data comparison against the GAC the results indicate that all chemicals of potential concern are below the relevant GAC and therefore all relevant contaminant linkages are incomplete.

7.5.3 Risk evaluation

The CoPC which require further assessment are summarised in Table 7.1.

Table 7.1: Chemicals of potential concern for which further assessment is required (human health)

CoPC	Max (mg/kg)	GAC (mg/kg)	GAC Source	No. Samples	Location	Depth (m bgl)
Benzo(a)pyrene	156.92	77	C4SL	1	WS101	0.1
Benzo(b)fluoranthene	181.14	45	Hydrock GAC	1		
Dibenz(ah)anthracene	18.17	3.6	Hydrock GAC	1		

The sample taken from WS101 at 0.1m bgl indicates significantly elevated contaminants of potential concern, in relation to risk to human health. Given that this sample was collected from directly below asphalt pavement, it is considered likely that the elevated PAH are associated with fragments of asphalt included within the sample.

Based on the current potential site development plans, the shallow Made Ground in the vicinity of WS101 will likely be removed to allow for the construction of ground bearing floor slab or covered in hardstanding. Due to these PAH contaminants not being sufficiently volatile, the floor slab will reduce the risk to human health by breaking the pathway.

If material is to be disposed of off-site, it should be ensured that any Made Ground taken from the vicinity of WS101 is segregated to avoid cross contamination with any clean material.

7.5.4 Asbestos

Visual evidence of asbestos containing materials (ACM) was recorded during the investigation. Details are summarised in Table 7.2.

Table 7.2: Visual evidence of asbestos containing materials

Location	Stratum	Depth (m bgl)	Comment
WS110	Made Ground	0.3	Laboratory confirmed asbestos cement (chrysotile and crocidolite)

Crocidolite poses a higher risk to human health when compared with chrysotile, and whilst crocidolite has been detected, the laboratory data suggests this is likely trace cross contamination within the otherwise chrysotile asbestos cement. Consequently, it is considered that the risk posed by the trace presence of crocidolite in this instance will not significantly increase the risk posed by the identified ACM.

In addition, asbestos has been identified by laboratory testing of soils samples as provided in Table 7.3

Table 7.3: Asbestos in soil samples (laboratory testing)

Location	Stratum	Depth (m bgl)	% Asbestos (w/w)	Comment
WS115	Made Ground	0.1-0.2	<0.001	Chrysotile and amosite loose fibres
WS110A		0.4-0.5	<0.001	Chrysotile and amosite loose fibres
WS108		0.3-0.4	<0.001	Chrysotile and amosite loose fibres
WS105		0.3-0.5	<0.001	Chrysotile loose fibres

Asbestos cement was encountered in one location during the investigation within the Made Ground. In addition, asbestos fibres of chrysotile and amosite have been detected in trace concentrations (<0.001% w/w) across the site.

Hydrock consider it plausible for asbestos to be present in any of the Made Ground soils across the site and asbestos, even at low concentrations, represents an unacceptable risk and mitigation will be required in any areas where exposure could occur.

7.6 Controlled Waters Risk Assessment

7.6.1 Generic Assessment Criteria

The risks to groundwater and surface water from contaminants on site have been assessed in accordance with the Environment Agency (2006) Remedial Targets Methodology (RTM) Levels 1-2. In doing so the compliance point for the assessment is set as the groundwater directly beneath the site on a precautionary basis.

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

Acceptable WQT are defined for protection of human health (based on Drinking Water Standards (DWS)) and for protection of aquatic ecosystems (Environmental Quality Standards (EQS)). In this instance, site concentrations have been compared against DWS/EQS on the basis that:

- The site is underlain by Glaciofluvial Sheet Deposits which are classified as a Secondary A aquifer.
- The Secondary A aquifer status of the Glaciofluvial Sheet Deposits is likely driven by the protection to sensitive surface waters like the River Mersey it's unlikely to provide a sufficient and continuous volume of water for potable water abstraction.
- The deeper groundwater within the granular Glacial Till present at 9.0m bgl (26.0m AOD) is at a similar level to the anticipated base of the channel within the River Mersey and therefore may be in hydraulic continuity.
- The deeper aquifer is confined and protected by at least 5.0m of stiff high strength low permeability cohesive Glacial Till therefore the contaminants at shallow depth at the site is not considered to pose a risk to this deeper aquifer.
- The depth to bedrock has not been confirmed however it is anticipated significant thickness of superficial deposits including cohesive confining cohesive layer overlying the Tarporley Siltstone Formation will offer protection to the Secondary B Aquifer.
- Furthermore, the Tarporley Siltstone Formation is considered to be a poor aquifer with poor water storage potential due to the layers of cohesive weathered rock and fine-grained mudstone and siltstones.
- The site is not within a groundwater source protection zone (SPZ) and there are no groundwater abstractions within 1km of the site.

The values adopted are detailed in Appendix H and the use of these values in this assessment is considered as a first screening for potential risks of pollution of Controlled Waters. More detailed assessment may be required, with this identified in Section 7.6.2.

There are no UK drinking water WQT for petroleum hydrocarbon fractions in water. The Water Supply Regulations 1989 and the Private Water Supply Regulations 1991 both contained a prescribed concentration of 10 µg/l for 'dissolved or emulsified hydrocarbons (after extraction with petroleum ether); mineral oils'. This was removed when these Regulations were updated in 2000 and 2009 respectively. However, 10 µg/l is used in this report as an initial screening assessment noting that any exceedance has no direct regulatory significance.

In some instances, the reporting limit (or detection limit) quoted by the laboratory may be greater than the WQT that it is being assessed against. As the current exercise is an initial screening assessment, further assessment of these elements has not been undertaken if all concentrations are reported to be below that limit.

7.6.2 Assessment results

Ramboll have provided Hydrock with groundwater laboratory testing results to use in this report, the laboratory test certificates can be found in Appendix F.

The results of the Hydrock screening assessment are provided in Appendix F and are summarised in Table 7.4

Table 7.4: CoPC which require further assessment (controlled waters)

CoPC	WQT (µg/l)	Basis for WQT	No. samples	No. samples above LoD	Min. (µg/l)	Max. (µg/l)	No. samples exceeding WQT above LoD
Shallow Groundwater- Glaciofluvial Sheet Deposits							
Iron	0.2 1	DWS EQS	7	5	<4.7	4776.1	5 5
Manganese	50 123	DWS EQS	7	7	220.5	971.3	6 6
Aliphatic >EC6-EC8	10	EQS	7	3	<10	41	3
Trichloroethene (TCE)	10 10	DWS EQS	7	4	<3	95	2 2
cis 1,2-Dichloroethene (cis 1,2 DCE)	50	DWS	7	5	<3	95	2
Vinyl Chloride	0.5	DWS	7	1	<0.1	6.4	2
Deep Groundwater- Granular Glacial Till							
Arsenic	10	DWS	2	1	<0.9	13.2	1
Iron	0.2 1	DWS EQS	4	4	311.4	2644.6	4 4
Manganese	50 123	DWS EQS	4	4	479.7	858.1	4 4
Aliphatic >EC6-EC8	10	EQS	4	1	<10	13	1
Trichloroethene (TCE)	10 10	DWS EQS	5	2	<3	5	0 0
cis 1,2-Dichloroethene (cis 1,2 DCE)	50	DWS	5	2	<3	30	0
Vinyl Chloride	0.5	DWS	4	1	<0.1	1.7	1

7.6.3 Risk evaluation

Metals and Metalloids

The deeper groundwater within the granular Glacial Till contained a marginal and local exceedance for arsenic in CP101 which is not considered to pose a risk to controlled waters.

The most significant exceedances are iron and manganese present above WQT in shallow and deep groundwater, which may be explained by reducing conditions causing reduction of the iron (III) and manganese (IV) to iron (II) and manganese (III), which are more soluble and hence dissolve into solution. Therefore, the iron and manganese are expected to be naturally occurring within the aquifer and are not considered to pose risk to controlled waters.

Organics

Aliphatic >EC6-8 were present in three locations in the shallow groundwater and one in the deeper groundwater across the site at concentrations considered to be marginal exceedances and are not indicative of significant petroleum hydrocarbons impact to the shallow groundwater and therefore are not considered to pose a risk to controlled waters,

Chlorinated Solvents

The site was formerly an electrical works which is expected to have used chlorinated solvents within manufacturing/ processing activities. The soils across the site contained low concentrations of trichloroethene (TCE) indicative of small spillages rather than larger sources.

Under anaerobic conditions, such as those noted above, TCE undergoes reductive dechlorination leading to cis 1,2-Dichloroethene (cis 1,2 DCE) and vinyl chloride (VC). Oxidising conditions are required to breakdown vinyl chloride to harmless compounds. Cis 1,2 DCE was detected within WS103 and VC has been recorded in WS112 and WS113 suggesting that reductive dichlorination is occurring.

Given the TCE, cis 1,2 DCE and VC concentrations only slightly exceed their respective water quality targets (WQT) within the Glaciofluvial Sheet Deposits, which is not considered to be in hydraulic continuity with the River Mersey some 500m east, it is considered the risk posed by these contaminants is very low does not require further assessment nor remediation.

Analysis of groundwater sampled from the deeper granular Glacial Till did not detect these chlorinated hydrocarbons above their WQT.

PFAS

Groundwater samples were also collected and analysed for PFOS/PFOA, which were all below the laboratory limit of detection, and therefore not considered a risk to controlled waters.

7.7 Ground gas risk assessment

The potential risk from ground gas has been assessed using relevant data summarised in Section 5.7.

7.7.1 Assessment Criteria

The risks associated with the ground gases methane (CH4) and carbon dioxide (CO2) have been assessed using BS 8485:2015 +A1:2019, which cites the guidelines published by CIRIA (Wilson et al 2007).

7.7.2 Data adequacy

As per BS8576:2013 Decision Matrix for Initial Monitoring, it is judged from the available evidence that the gas generation potential at the site is very low (due to the presence of Made Ground less

than 1m in thickness, no evidence of degradable organic content within the Made Ground or natural soils) and as per Tables 5.5a and 5.5b CIRIA C665, the sensitivity of the development is low (due to commercial end use). In accordance with Figure 6 BS8576:2013, an appropriate minimum monitoring regime is four readings over one months, provided other monitoring requirements are also met, such as prevailing atmospheric pressure conditions (for example, BS 8485:2015 +A1:2019 and CL: AIRE TB17 advocate that monitoring should include a period of rapidly falling atmospheric pressure).

Hydrock has undertaken four readings. As shown in Figure 7.1 the visit undertaken on the 22nd of January 2025 was in a period of rapid falling atmospheric pressure. Therefore, it is considered that worst case atmospheric conditions in accordance with BS 8485:2015 +A1:2019 and CL: AIRE TB17 have been monitored.

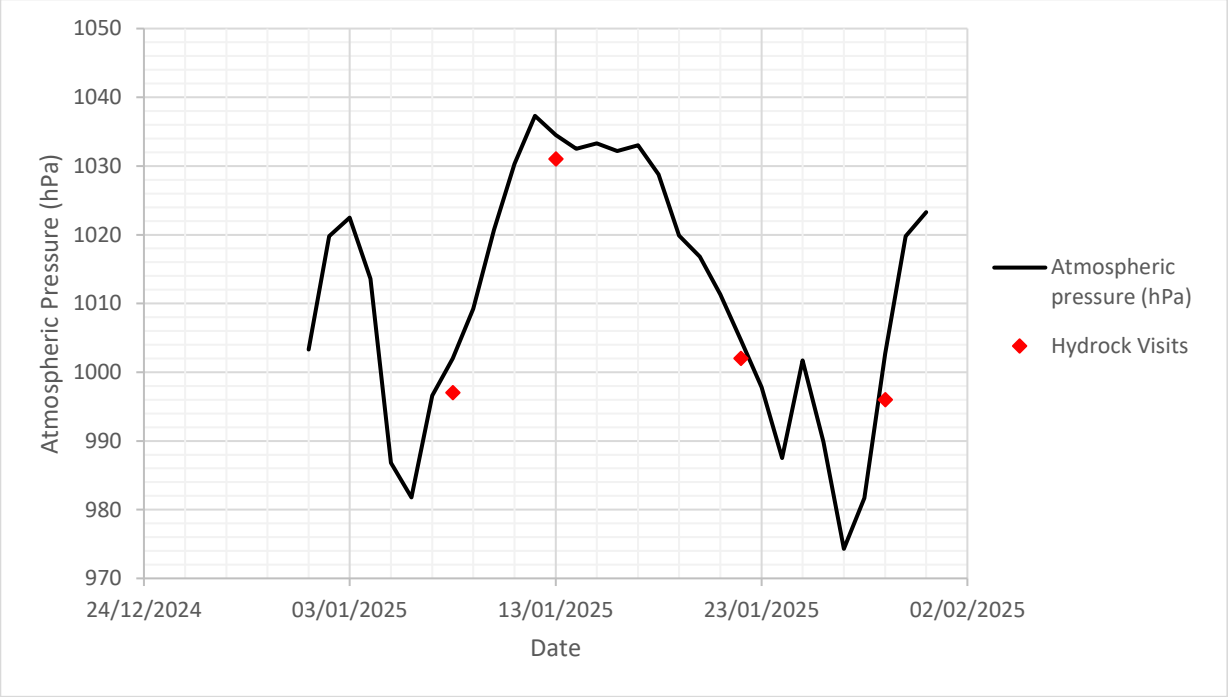


Figure 7.1: Atmospheric Pressure within the area during January 2025

7.7.3 Assessment results

The assessment is summarised in Table 7.5 and the full assessment is presented in Appendix E.

Table 7.5: Ground gas risk assessment

	Min	Max	Typical [(i)]	Comment
Steady Flow Rate (l/hr)	0.1	0.7	<0.1	-
Methane (%)	0.1	0.1	0.1	On site Methane readings of 0.2(%v/v) have been discounted due to the gas monitor recording ambient readings of the same concentrations.
Carbon Dioxide (%)	0.3	4.5	<1	All carbon dioxide readings were recorded at concentrations of <5%
Carbon Monoxide (ppm)	<1	<1	<1	-
Hydrogen Sulphide (ppm)	<1	1	<1	-

	Min	Max	Typical [i]	Comment
Oxygen (%)	16.2	21	20.7	-
Carbon Dioxide GSV (l/hr)	<LOD	0.013	<LOD	CS1
Methane GSV (l/hr)	<LOD	0.001	0.001	CS1

[i] Hydrock assumes that values are considered to be atypical if 95% or more of the remaining data are less than the value under consideration.
For the purposes of the calculation, where the recorded gas flow rate is below the manufacturer's limit of detection for the instrument used, the detection limit has been adopted for the gas flow rate.

7.7.4 Risk evaluation

The calculated borehole gas screening values for carbon dioxide and methane indicates CS1 conditions and methane and carbon dioxide are concentrations below 1% and 5% respectively. As such, the site is classified as Characteristic Situation 1.

Based on the data available, no mitigation measures are likely to be required.

7.8 Construction materials risk assessment

7.8.1 Water Pipelines

Given the shallow depth of Made Ground its anticipated that water pipelines will be installed within the natural soils. The natural soils do not contain an exceedance for organic contamination above the threshold for standard PE pipes. Hydrock believes standard PE pipework may be suitable for the site. However, confirmation should be sought from the water supply company at the earliest opportunity.

7.8.2 Ground gas

It is noted that concentrations of carbon dioxide (an asphyxiant) in the soil exceed HSE Workplace Exposure Limits for personnel in the working environment of 1.5% for short term (15 minutes) exposure or 0.5% for long term exposure. Furthermore, soil concentrations of oxygen are below the HSE recommendations of 18%.

Soil gas concentrations are not necessarily reflected by those in the breathing zone, as such, all Contractors and maintenance workers should be made aware of the possible presence of carbon dioxide and should take all necessary health and safety precautions when working in trenches or confined spaces.

7.8.3 Asbestos

The Made Ground contains occasional visible fragments of suspected asbestos cement sheeting have been identified during the ground investigation and low concentrations of asbestos fibre (<0.001%) has been identified during the laboratory testing of soils.

All site staff should be made aware that there is a likelihood of encountering further asbestos containing materials within the Made Ground anywhere on the site, and at any stage of the development. It is advised that the Contractor should supply suitable and sufficient 'Asbestos Awareness' training (specific to asbestos in soils) to all site staff who could foreseeably encounter asbestos containing materials during the course of their work.

The Contractor for each stage of works must undertake a suitable and sufficient Risk Assessment in accordance the Regulation 6 of the Control of Asbestos Regulations 2012 (CAR2012). The results of the assessment should be used to compile a methodology in accordance with Regulation 7 of

CAR2012, which limits potential exposure and spread of asbestos fibre. Appropriate training should be provided to all site staff identified within the risk assessment as having the potential to be exposed or encounter asbestos during their work in accordance with Regulation 10 of CAR2012.

It is the responsibility of the Contractor to ensure that mitigation measures are suitable and sufficient to prevent exposure to airborne asbestos so far as is reasonably practicable in accordance with Regulation 11 of CAR2012.

It is recommended that any asbestos cement sheeting encountered is handpicked under controlled conditions in accordance with HSG210 'Asbestos Essentials'. Hand picking needs to be undertaken by suitably qualified Contractors in accordance with HSE guidance and an Environmental Permit. All ACM must be suitably packaged, placed in a dedicated, covered and lockable skip pending off-site disposal to a suitably licensed waste facility.

In addition to the presence of occasional visible fragments of suspected asbestos cement sheeting, the soils contain low concentrations of asbestos fibre (<0.001%). The Contractors for each stage of works must manage the risks in accordance with HSE Guidance and CAR 2012. However, the asbestos fibres detected at the site are within a soil matrix, and if this is kept damp, this should assist in minimising the risk of the release of airborne fibres.

7.9 Updated Conceptual Site Model

A summary of the Source-Pathway-Receptor (SPR) contaminant linkages for which the risks may be unacceptable and require mitigation (those that are moderate or higher) are discussed in Table 7.6.

Table 7.6: Residual risks following risk evaluation

Contaminant Linkage				Comments	
Pollutant Linkage	Sources	Pathways	Receptors	General	Mitigation
PL 1.	Asbestos fibres in soil or occasional asbestos-containing materials in the Made Ground	Inhalation of fugitive dust.	Human health.	Made Ground seen to contain occasional asbestos-containing materials. Low level asbestos fibres measured in soil samples.	Any ACM encountered during breaking out of hardstanding will need to be handpicked and removed from site. Manage soils in accordance with CAR SOILS 2012.
PL 2.	Asbestos-containing materials in the buildings and Made Ground.	Inhalation of fugitive dust.	Human health.	The asbestos risk register records ACMs within the building.	The ACMs within the building will require removal by a licensed asbestos contractor prior to demolitions of the existing units.

7.10 Mitigation Measures

Hydrock consider the following mitigation is required to ensure the site is suitable for use for the proposed end use. The mitigation measures include:

- demolition asbestos survey and removal of ACMs by a licensed asbestos contractor (PL2)
- examination of soils following breaking out the existing hardstanding and hand picking of any occasional asbestos containing materials by a suitably CAT B qualified asbestos specialist (PL1);

» prior to any soil's movements, soils should be dampened down to avoid any fibres release (PL1).

Hydrock consider the proposed development not to constitute the requirements for a full remediation and verification strategy rather any hand picking and activities should be detailed in a short letter report which can be provided to the local authority for approval.

8. Waste and materials management

8.1 Introduction

The Waste Framework Directive (WFD) (2009/98/EC) defines waste as '*any substance which the holder discards or intends to discard.*' In a geo-environmental context, the waste is most often 'soil' and the two main scenarios are offsite disposal of the material as a waste and/or reuse of the material on site. For cost and sustainability reasons, reuse is preferred to off-site disposal.

Section 8.2 below describes the key issues relating to off-site disposal to landfill and Section 8.3 considers requirements relating to reuse of soils and materials management.

8.2 Waste disposal

8.2.1 Principles

Based on the WFD, any material excavated on site may be classified as waste and it is the responsibility of the producer of a material to determine whether or not it is waste. Where off-site disposal is undertaken, the following guidance applies.

Classification is a staged process:

- A hazardous waste is defined under the WFD as one which possesses one or more of fifteen defined hazardous properties. If a waste is not defined as hazardous, then it is non-hazardous.
- Where the materials are soil, it is then be assigned using the 'List of Waste Codes', which classifies the material as either:
  - hazardous (17-05-03), which is defined as "*soil and stones containing hazardous substances*"; or
  - non-hazardous (17-05-04), which is defined as "*soil and stones other than those mentioned in 17-05-03*".
  - Hydrock utilise the proprietary assessment tool, HazWasteOnline™ to undertake this assessment.
- Waste Acceptance Criteria (WAC) testing is then undertaken (if required), and are only applicable following classification of the waste, and only where the waste is destined for disposal to landfill. The WAC are both qualitative and quantitative. The WAC and the associated laboratory analyses (leaching tests) are not suitable for use in the determination of whether a waste is hazardous or non-hazardous.

It should be noted that some non-hazardous wastes may be suitable for disposal at an inert landfill as non-hazardous waste, subject to meeting the appropriate waste acceptance criteria.

It should be noted that classification must be undertaken on the waste produced, by the waste producer. Necessary sampling frequency to adequately characterise a soil population is defined within WM3.

8.2.2 HazWasteOnline™ assessment

As the site is brownfield, in order to inform the preliminary waste characterisation process, Hydrock has undertaken an exercise using the proprietary web-based tool HazWasteOnline™. The output of the HazWasteOnline™ assessment is provided in Appendix G and a summary of the preliminary waste classification is provided below in Section 8.2.4.

8.2.3 WAC testing

A representative sample of soils taken from the waste soil arisings was undertaken, with the results provided in Appendix G. This indicated the material may be acceptable to an inert landfill.

However, further WAC testing will be required on the excavated soils that are to be disposed of, to assist with waste disposal options prior to disposal. A summary of the preliminary waste disposal options is provided below in Section 8.2.4.

8.2.4 Preliminary waste disposal options

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

- The Glaciofluvial Sheet Deposits soils are likely to be classified as non-hazardous waste,
- The Made Ground is generally likely to be classified as non-hazardous waste with the exception of;
  - Made Ground in the vicinity of CP102 which is likely to be classified as hazardous waste due to the TPH concentrations >1000mg/kg;
  - Made Ground in the vicinity of WS101 which is likely to be classified as hazardous waste due to the elevated levels of copper, zinc and TPH concentrations >1000mg/kg.
  - Any material found to be containing visual asbestos containing materials would also be classed as hazardous until the ACMs are suitably removed.

WAC testing should be completed across the site to confirm if any non-hazardous waste can be sent to 'inert' landfill.

8.2.5 General waste comments

It should be noted that:

- Any soils containing > 0.1% asbestos or visible asbestos containing materials would be considered as hazardous.
- It is the waste producer's responsibility to segregate the waste at source and waste producers must not mix waste materials/streams or dilute hazardous components, for example by mixing with less or non-hazardous waste on site to meet WAC limit values.
- The formal classification of waste can only be undertaken on the material to be disposed of, and by the waste producer and the receiving landfill as license conditions vary from landfill to landfill.
- Basic Characterisation should be undertaken in accordance with Environment Agency guidance by the waste producer. Hydrock can assist if required and this report will assist the characterisation. However, Basic Characterisation does not form part of the current commission and would require further assessment and testing on the wastes actually to be disposed.
- Once the waste producer has undertaken an initial Basic Characterisation on each waste stream, they can manage the soils as part of the on-site processing programme (for example, stockpiling, treatment, screening and separation). The waste producer and landfill operator will then need to agree the suite of compliance testing for regularly generated waste to demonstrate compliance with the initial Basic Characterisation prior to disposal.
- At the time of disposal, additional testing on the excavated soils to be disposed of, will likely be necessary.
- Non-hazardous and hazardous soils require pre-treatment (separation, sorting and screening) prior to disposal.
- The costs for disposal of non-hazardous and hazardous soils are significant compared to disposal of inert material.
- In addition to disposal costs, landfill tax will be applicable. Non-hazardous and hazardous waste will generally be subject to the Standard Rate Landfill Tax. Inert or inactive waste will generally be subject to the Lower Rate Landfill Tax. The landfill tax value changes each April

and can be found at https://www.gov.uk/government/publications/rates-and-allowances-landfill-tax/landfill-tax-rates-from-1-april-2013.

» Before a waste producer can move waste to a landfill site for disposal, they need to check the landfill site has the appropriate permit and must have completed the following[3]:
  » Duty of care transfer note / Hazardous Waste consignment note, including comment as to if pre-treatment has been undertaken; and
  » Basic Characterisation of the waste, to include: description of the waste; waste code (using list of wastes); composition of the waste (by testing, if necessary) and; WAC testing (if required).

8.3 Materials management

8.3.1 Introduction

Soils that are to remain on site, should be managed and reused in accordance with a Materials Management Plan (MMP), prepared in accordance with 'The Definition of Waste: Development Industry Code of Practice', Version 2 (CL:AIRE), known as the DoWCoP. Where all aspects of the DoWCoP are followed the soils are considered not to be waste, because they were never discarded in the first place.

Version 2 of the DoWCoP clearly sets out the principles and an outline of the requirements of a MMP. The following compliance criteria must be seen to apply to the MMP for the site:

- Factor 1: Protection of human health and protection of the environment.
- Factor 2: Suitability for use, without further treatment.
- Factor 3: Certainty of Use.
- Factor 4: Fixed Quantity of Material.

The reuse of soils at sites should be considered during the planning and development design process so that compliance with issues such as fixed quantity and certainty of use clearly relate to agreed site levels. Suitability of Use is normally evident from the remediation strategy or the design statement, which form an integral part of a MMP. However, some soils may need to be tested post-excavation to prove they are suitable for use.

Once the MMP is finalised, it must be declared by a Qualified Person (QP). The Declaration is an on-line submission as part of which the QP is required to confirm that the declaration is being made before the relevant works have commenced (i.e. it is not a retrospective application).

Once all material movements have been completed in accordance with the MMP a verification report must be produced, kept for 2 years and provided to the EA on request.

It should be noted that failure to comply with the requirements of the DoWCoP when re-using materials has potentially significant consequences for the waste holder. The risk is that the reused materials are still regarded as a waste that has been illegally deposited. From 1 April 2018, the scope of Landfill Tax has been extended to sites operating without the appropriate environmental disposal permit, and operators of illegal waste sites will now be liable for Landfill Tax. Further information is available at: https://www.gov.uk/government/publications/landfill-tax-disposals-not-made-at-landfill-sites/landfill-tax-disposals-not-made-at-landfill-sites.

[3] ENVIRONMENT AGENCY. November 2010. Guidance on waste acceptance procedures and criteria. Waste acceptance at landfills. The Environment Agency.

If soils are excavated and reused on sites (or moved to another site) without a MMP, exemption, or appropriate Permit in place, anyone who knowingly facilitates the disposal may be *'jointly and severally liable'* to any assessment of tax, fines or prosecution.

8.3.2 Materials management scenarios

The materials management scenarios present on site are discussed below.

It should be noted that more than one scenario may apply, dependent upon where the soils are proposed for reuse.

8.3.2.1 Clean, naturally occurring materials – reused on the site of origin

Where soils are naturally occurring, uncontaminated and are reused on the site they are excavated (i.e. greenfield site with documented site history, with no Made Ground), they will fall outside the Waste Framework Directive (WFD) (i.e. they will not be a waste when reused on the site of origin).

However, there needs to be certainty of that reuse, and evidence is necessary to support this strategy, for example through information provided during the planning process. The onus is on the developer to demonstrate that the materials are not a waste and will never become a waste. As such, a Materials Re-use Strategy or a Materials Management Plan is recommended to show certainty. Alternatively, if the volume of material is under 1,000 tonnes, then a U1 waste exemption may be applied for from the Environment Agency.

Even if excess soil is not predicted, Hydrock recommend a MMP is undertaken which shows that in the event of excess soils being generated (for example over-excavation or increased bulking), there is an intent to transfer any excess to other, suitable sites using DoWCoP.

It may be noted that some 'clean naturally occurring materials' may still fail the 'suitable for use' test, for example, soils with a naturally high organic content may not be suitable for use because of their propensity to produce ground gases such as methane. Rules regarding other more unusual circumstances such as where natural soils contain an unacceptably high mineral content are described in the DoWCoP.

8.3.2.2 Made Ground and other contaminated soils

On sites where Made Ground or contaminated soils are present, any soils excavated will be a waste as soon as they are excavated (even if they are clean, naturally occurring materials), unless they are subject to reuse in accordance with the DoWCoP. As such, for any brownfield site or a site where Made Ground is present and soils are being moved and reused, the materials could be deemed a waste, subject to either:

- a Materials Management Plan (MMP), to prevent the material being classified as a waste following reuse; or
- an exemption (for limited volumes); or
- an environmental permit, dependant on its status.

Made Ground cannot be moved between sites under DoWCoP alone and would require relevant permits as part of the MMP documentation for the Hub site the material is being treated at.

8.3.2.3 Geotechnical improvement requirements

Construction activities carried out on uncontaminated soils solely for the purpose of improving geotechnical properties e.g. lime / cement modification, are not generally regarded as waste treatment operations and do not require a permit.

However, should processing be needed (such as screening, treatment or improvement), that would constitute a waste activity and require a mobile treatment permit. This may be as simple as

removing oversize material with an excavator bucket, to using a riddle bucket to remove hardcore to full mechanical screening.

9. Uncertainties and limitations

9.1 Site-specific comments

Certain areas of the site were unable to be investigated due to the presence of obstructions as summarised in Table 5.2, as such there is the potential for unknown contaminants to still be present on site.

9.2 General comments

Hydrock Consultants Limited (Hydrock) has prepared this report in accordance with the instructions of Kier Property Limited (the Client), under the terms of appointment for Hydrock, for the sole and specific use of the Client and parties commissioned by them to undertake work where reliance is placed on this report. Any third parties who use the information contained herein do so at their own risk. Hydrock shall not be responsible for any use of the report or its contents for any purpose other than that for which it was prepared or for use of the report by any parties not defined in Hydrock's appointment.

This report details the findings of work carried out in December 2024 to January 2025. The report has been prepared by Hydrock on the basis of available information obtained during the study period. Although every reasonable effort has been made to gather all relevant information, not all potential environmental constraints or liabilities associated with the site may have been revealed.

Hydrock has used reasonable skill, care and diligence in the design of the investigation of the site and in its interpretation of the information obtained. The inherent variation of ground conditions allows only definition of the actual conditions at the locations and depths of trial pits and boreholes at the time of the investigation. At intermediate locations, conditions can only be inferred.

Groundwater data are only representative of the dates on which they were obtained and both levels and quality may vary.

Unless otherwise stated, the recommendations in this report assume that ground levels will remain as existing. If there is to be any re-profiling (e.g. to create development platforms or for flood alleviation) then the recommendations may not apply.

Information provided by third parties has been used in good faith and is taken at face value; however, Hydrock cannot guarantee its accuracy or completeness.

Where the existing report(s) prepared by others have been provided by the Client, it is assumed that these have been either commissioned by the Client, or can be assigned to the Client, and can be relied upon by Hydrock. Should this not be the case Hydrock should be informed immediately as additional work may be required. Hydrock is not responsible for any factual errors or omissions in the supplied data, or for the opinions and recommendations of others. It is possible that the conditions described may have since changed through natural processes or later activities.

The work has been carried out in general accordance with recognised best practice. Unless otherwise stated, no assessment has been made for the presence of radioactive substances or unexploded ordnance. Where the phrase 'suitable for use' is used in this report, it is in keeping with the terminology used in planning control and does not imply any specific warranty or guarantee offered by Hydrock.

The work has not been undertaken to meet the requirements of the Geotechnical Design Report (GDR) in accordance with BS EN 1997-1:2004 (Eurocode 7: Geotechnical Design — Part I). The report is likely to represent a Ground Investigation Report (GIR) under the Eurocode 7 guidance.

The chemical analyses reported were scheduled for the purposes of risk assessment with respect to human health, plant life and controlled waters as discussed in the report. Whilst the results may be useful in applying the Hazardous Waste Assessment Methodology given in Environment

Agency Technical Guidance WM3, they are not primarily intended for that purpose and additional analysis will be required at the time of disposal to fully classify waste. Discussion and comment with regards to waste classification are preliminary and do not form the requirements of 'Basic Characterisation' as required.

Unless otherwise stated, at the time of this investigation the future routes of water supply pipes had not been established. This investigation and sampling strategy may not be fully compliant with UKWIR recommendations. Consequently, a targeted investigation and specific sampling and chemical testing may be required at a later date once the routes of the supply pipes are known. In addition, it is recommended that the relevant water supply company be contacted at an early stage to confirm its requirements for assessment, which may not necessarily be the same as those recommended by UKWIR.

Whilst the preliminary risk assessment process has identified potential risks to construction workers, consideration of occupational health and safety issues is beyond the scope of this report.

Please note that notwithstanding any site observations concerning the presence or otherwise of archaeological sites, asbestos-containing materials or invasive weeds, this report does not constitute a formal survey of these potential constraints and specialist advice should be sought.

Any site boundary line depicted on plans does not imply legal ownership of land.

10. Conclusions and recommendations

10.1 Conclusions

Ground investigation has been undertaken at the Electrium Sharston site in Wythenshawe. The ground conditions encountered are consistent with the published geology and the site history.

Testing of contaminants of potential concern has identified some poly aromatic hydrocarbons (PAH) exceedances against human health targets for a commercial land use scenario and asbestos fibres and asbestos contaminant materials locally. The PAH exceedances are suspected to be associated with asphalt material which was immediately above the sample location and this is likely to be removed from site as part of the site strip. Asbestos will need to be carefully managed during the demolition and groundworks as follows:

- demolition asbestos survey and removal of ACMs by a licensed asbestos contractor.
- examination of soils following breaking out the existing hardstanding and hand picking of any occasional asbestos containing materials by a suitably CAT B qualified asbestos specialist.
- prior to any soil's movements, soils should be dampened down to avoid any fibres release.

Slight exceedances of chlorinated hydrocarbons (trichloroethene (TCE), cis-1,2 dichloroethene and vinyl chloride) were detected in groundwater samples collected from the shallow sand and gravel superficial aquifer below the site. It is likely that this is associated with smaller spills of TCE solvent rather than a larger source of TCE. The cis 1,2 dichloloroethene and vinyl chloride are degradation products of TCE and suggest the TCE is degrading naturally, Given the low concentrations present, the likelihood that degradation is occurring naturally, and the 500m distance to the River Mersey, it is considered that the risk to controlled waters is very low and does not require remediation.

Obstructions including foundations, floor slabs and services, should be anticipated locally such as encountered at CP104, CP104a and WS110A.

Excavation to proposed founding depth generally should be readily achievable with standard excavation plant. Heavy duty excavation plant/breaking equipment may be required to remove the existing hardstanding and any below ground obstructions.

The sands and gravels were generally unstable throughout the investigation with continuous collapse occurring in several of the windowless sampler boreholes.

Water seepages into shallow excavations (c. 2m) are likely to be adequately controlled by sump pumping.

Foundations are recommended to comprise pad foundations at 300mm bgl. (up to 2m bgl locally).

Allowable net bearing pressure of 100kN/m^2 for pad foundations bearing onto the medium dense Glaciofluvial Sheet Deposits.

For the purposes of preliminary ground bearing floor slab assessment, a modulus of sub-grade reaction of 130MN/m^3 can be assumed for design purposes, based upon the lowest laboratory remoulded CBR results in the natural sands of 19%.

For road / pavement design, a design CBR of 2.5 % is likely to be achievable subject to in situ testing during construction and the proof rolling of formation level.

Design Sulphate Class - DS-1 and ACEC Class AC- 1 for Made Ground, Glaciofluvial Sheet Deposits and cohesive Glacial Till.

On the basis of the above it is considered that the site is suitable for the proposed development and there are unlikely to be abnormal ground conditions that would have a significant impact on construction costs and programme.

10.2 Recommendations

Following the ground investigation works undertaken to date, the following further works will be required:

- demolition asbestos survey;
- provision of geotechnical design for the Category 2 structures (ground bearing floor slab);
- design of pad foundations by a structural engineer;
- discussions with regulatory bodies and the warranty provider regarding the conclusions of this report;
- discussion and agreement with utility providers regarding the materials suitable for pipework;
- liaison with an asbestos specialist in relation to the hand picking of ACMs during the removal of the existing hardstanding and production of a letter outlining works to be provided to the LPA for approval;
- it assumed at this stage that no extensive earthworks are required and rather surplus soils are likely to be disposed therefore a Materials Management Plan is unlikely to be required.
- Should proposal change relating Material Movements than Hydrock should be made aware of these changes at the earliest possible timing.

11. References

ASSOCIATION OF GROUND INVESTIGATION SPECIALISTS. 2006. Guidelines for Good Practice in Site Investigation. Issue 2. AGS, Beckenham.

BRE. 2005. Concrete in aggressive ground. BRE Special Digest 1, 3rd Edition. BRE, Garston.

BRITISH STANDARDS INSTITUTION. 2004+A1 2013. Eurocode 7 – Geotechnical design - Part 1: General rules. BS EN 1997-1+A1. Incorporating Corrigendum February 2009. BSI, London.

BRITISH STANDARDS INSTITUTION. 2007. Eurocode 7 – Geotechnical design - Part 2: Geotechnical investigation and testing. BS EN 1997-2. BSI, London.

BRITISH STANDARDS INSTITUTION. 2010. Code of practice for earthworks. BS 6031 Incorporating Corrigendum No.1:2010. BSI, London.

BRITISH STANDARDS INSTITUTION. 2017. Code of Practice for Investigation of Potentially Contaminated sites. BS 10175 Incorporating Amendment No. 2:2017. BSI, London.

BRITISH STANDARDS INSTITUTION. 2012. Trees in relation to design, demolition and construction – Recommendations. BS 5837. BSI, London.

BRITISH STANDARDS INSTITUTION. 2013. Guidance on investigations for ground gas. Permanent gases and Volatile Organic Compounds (VOCs) BS 8576. BSI, London.

BRITISH STANDARDS INSTITUTION. 2015+A!:2020. Code of Practice for Foundations. BS 8004. BSI, London.

BRITISH STANDARDS INSTITUTION. 2020. Code of practice for ground investigations. BS 5930+A1 2020, BSI, London.

BRITISH STANDARDS INSTITUTION. 2019. Concrete – complementary British Standard to BS EN 206-1 – Part 1: Method of specifying and guidance to the specifier. BS 8500-1+A2 2019. BSI, London.

BRITISH STANDARDS INSTITUTION. 2020. Soil Quality – Conceptual Site Models for potentially contaminated sites. BS EN ISO 21365:2020

BRITISH STANDARDS INSTITUTION. 2021. Soil and waste – Guidance on the selection and application of screening methods. BS EN ISO 12404:2021

CL:AIRE. 2011. The Definition of Waste: Development Industry Code of Practice, Version 2. Contaminated Land: Applications in the Real Environment (CL:AIRE), London.

CLAYTON, C. R. I. 2001. Managing Geotechnical Risk. Improving productivity in UK building and construction. Thomas Telford, London.

CONCRETE SOCIETY, THE. 2013. Concrete industrial ground floors. A guide to design and construction. Technical Report 34 (4th Ed.). The Concrete Society, Camberley.

DEFRA. 2014. SP1010: Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination – Policy Companion Document. Defra, London.

ENVIRONMENT AGENCY. 2006. Remedial Targets Methodology. Hydrogeological Risk Assessment for Land Contamination. The Environment Agency, Bristol.

ENVIRONMENT AGENCY, 2010. Guiding Principles for Land Contamination. Part 2. FAQs, technical information, detailed advice and references, March 2010.

ENVIRONMENT AGENCY. 2023. Land Contamination: Risk Management (LCRM). The Environment Agency.

HATANAKA, M, UCHIDA, A, KAKURAI, M, and AOKI, M. 1980. A consideration on the relationship between SPT N-value and internal friction angle of sandy soils. Journal of Structural and Construction Engineering (Transactions of AIJ). 63. 125-129. 10.3130/aijs.63.125_2.

HEALTH and SAFETY EXECUTIVE. December 2005. Construction Information Sheet 47: Inspections and Reports (CIS 47 (Rev 1)). HSE.

HEALTH and SAFETY EXECUTIVE. 2014. HSG47 - Avoiding danger from underground services (Third edition). HSE.

HIGHWAYS AGENCY. 2009. Design Guidance for Road Pavement Foundations (Draft HD25). Interim Advice Note 73/06. Rev 1. Highway Agency, London.

HIGHWAYS AGENCY. 2014. Manual of Contract Documents for Highway Works, Specification for Highway Works: Volume 1, Amendment August 2014. Highway Agency, London.

THE HIGHWAYS AGENCY. 2000. Design Manual, Road and Bridges: CS 641 - Managing the maintenance of highway geotechnical assets. CS 641 Rev 0. Highway Agency, London.

THE HIGHWAYS AGENCY. 2019. Design Manual for Roads and Bridges. Managing Geotechnical Risk. CD 622 Rev 0. Highway Agency, London.

UK HEALTH SECURITY AGENCY (UKHSA) and BRITISH GEOLOGICAL SURVEY. December 2022. Indicative Atlas of Radon Potential for Great Britain (Version 3) (https://www.ukradon.org/information/ukmaps)

MINISTRY OF HOUSING, COMMUNITIES and LOCAL GOVERNMENT (MHCLG). Internet published Planning practice guidance https://www.gov.uk/government/collections/planning-practice-guidance. MHCLG. London

PECK, R.B., HANSON, W.E., AND THORNBURN, T.H., Foundation Engineering, 2nd Edn, John Wiley, New York, 1967, p.310.

SCIVYER, C. and JAGGS M. 2023. Radon: Guidance on protective measures for new buildings. Building Research Establishment Report BR 211 6th Edition. BRE, Garston.

SoBRA, 2022. Guidance on Assessing Risk to Controlled Waters from UK Land Contamination Under Conditions of Future Climate Change, Society of Brownfield Risk Assessment, August 2022.

SoBRA, 2023. The Climate Emergency: Practical Considerations in Brownfield Risk Assessment. Summer Workshop 2022 Report. Version 1.1, June 2023

STONE, K., MURRAY, A., COOKE, S., FORAN, J. and GOODERHAM, L. 2009. Unexploded ordnance (UXO), a guide to the construction industry. CIRIA Report C681. Contaminated Land: Applications in Real Environments, London.

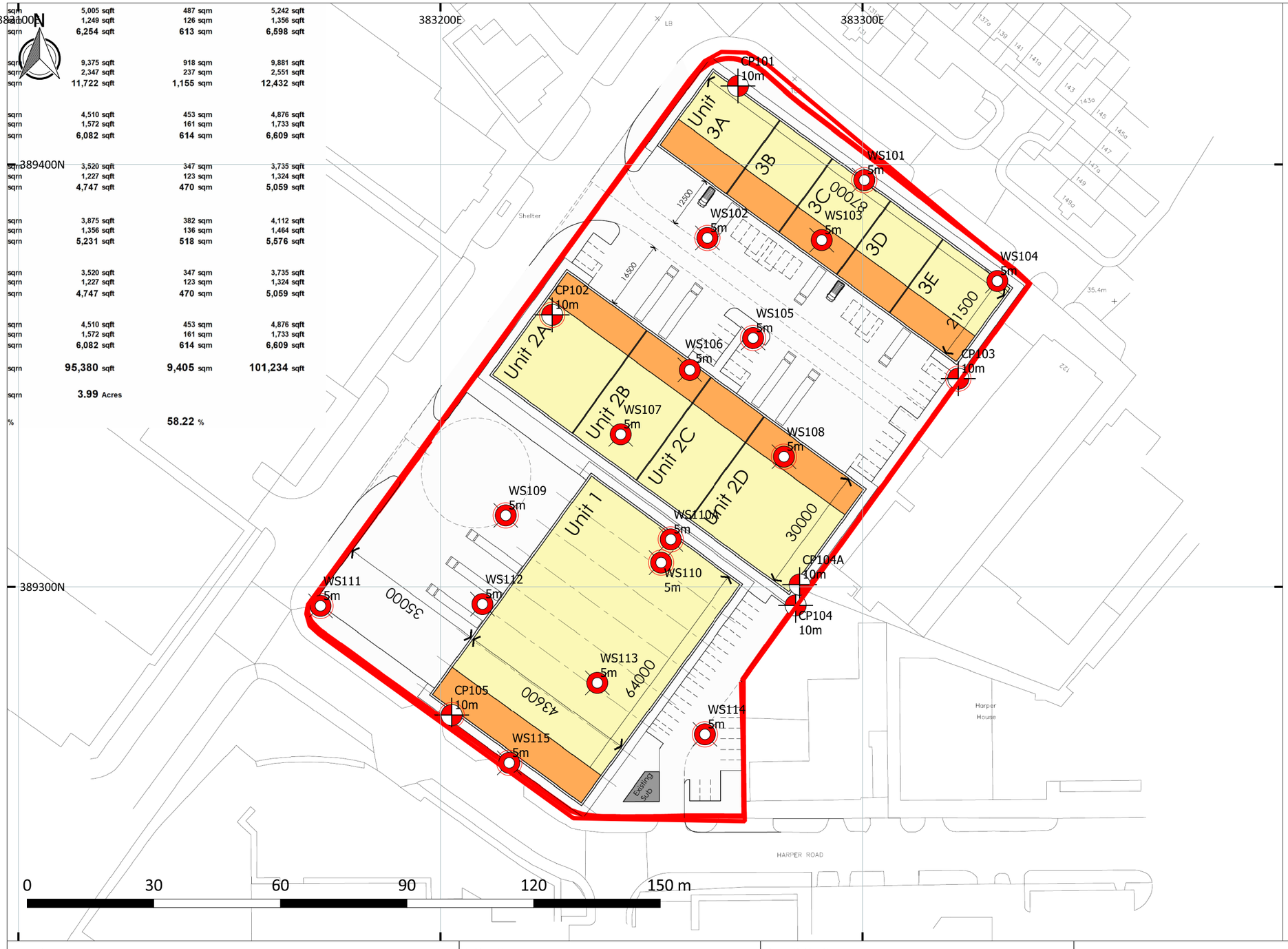
STROUD, M. A. 1975. The standard penetration test in insensitive clays and soft rocks. Proceedings of the European Symposium on penetration testing, 2, 367-375.

TOMLINSON. M.J. 2001. Foundation Design and Construction (6th Edition and 7th Edition). Prentice Hall Press

WATER UK HBF. January 2014. Contaminated Land Assessment Guidance. Water UK and the Home Builders Federation.

Appendix A Drawings

sqm	5,005 sqft	487 sqm	5,242 sqft
sqm	1,249 sqft	126 sqm	1,356 sqft
sqm	**6,254** sqft	**613** sqm	**6,598** sqft
sqm	9,375 sqft	918 sqm	9,881 sqft
sqm	2,347 sqft	237 sqm	2,551 sqft
sqm	**11,722** sqft	**1,155** sqm	**12,432** sqft
sqm	4,510 sqft	453 sqm	4,876 sqft
sqm	1,572 sqft	161 sqm	1,733 sqft
sqm	**6,082** sqft	**614** sqm	**6,609** sqft
sqm	3,520 sqft	347 sqm	3,735 sqft
sqm	1,227 sqft	123 sqm	1,324 sqft
sqm	**4,747** sqft	**470** sqm	**5,059** sqft
sqm	3,875 sqft	382 sqm	4,112 sqft
sqm	1,356 sqft	136 sqm	1,464 sqft
sqm	**5,231** sqft	**518** sqm	**5,576** sqft
sqm	3,520 sqft	347 sqm	3,735 sqft
sqm	1,227 sqft	123 sqm	1,324 sqft
sqm	**4,747** sqft	**470** sqm	**5,059** sqft
sqm	4,510 sqft	453 sqm	4,876 sqft
sqm	1,572 sqft	161 sqm	1,733 sqft
sqm	**6,082** sqft	**614** sqm	**6,609** sqft
sqm	**95,380** sqft	**9,405** sqm	**101,234** sqft
sqm	**3.99** Acres		
%		**58.22** %	



ID	Type	X (Easting)	Y (Northing)	Proposed Depth (m)	Installation	Soakaway
CP105	CP	383202.64	389269.64	10	Y	NULL
CP104	CP	383284.14	389295.61	10	n	NULL
CP101	CP	383270.47	389418.57	10	n	NULL
CP102	CP	383226.45	389364.39	10	Y	NULL
WS111	WS	383171.56	389295.49	5	Y	NULL
WS104	WS	383331.94	389372.4	5	n	NULL
WS101	WS	383300.41	389396.28	5	Y	NULL
WS114	WS	383262.65	389265.08	5	Y	NULL
WS109	WS	383215.45	389316.91	5	Y	NULL
WS115	WS	383216.28	389258.32	5	Y	NULL
WS102	WS	383263.23	389382.59	5	Y	NULL
WS105	WS	383274.06	389358.9	5	Y	NULL
WS107	WS	383242.69	389336.1	5	n	NULL
WS108	WS	383281.37	389330.81	5	Y	NULL
WS106	WS	383259.07	389351.35	5	n	NULL
WS112	WS	383209.93	389295.91	5	n	NULL
WS110	WS	383252.27	389305.73	5	Y	NULL
WS113	WS	383237.14	389277.26	5	n	NULL
WS103	WS	383290.32	389382.09	5	n	NULL
CP103	CP	383322.69	389349.29	10	Y	NULL
CP104A	CP	383285.09	389300.53	10	n	NULL
WS110A	WS	383254.55	389311.23	5	Y	NULL

KEY PLAN

- Site Boundary

Proposed Locations [22]

- Window Sampling [16]
- Cable Percussion [6]
- Installation [13]

NOTES

1. Contains OS data © Crown copyright and database right (2022)

REVISIONS

REV.	DRAWN BY INITIALS	CHECKED BY	DATE	REVISION NOTES/COMMENTS
P01	JH	MG	02/12/24	First issue
P02	JH	MG	03/12/24	Added WS116
P03	EL	BH	29/01/25	Revised coordinates of boreholes, and added CP104A and WS110A.

Hydrock

TITLE: PROPOSED GROUND INVESTIGATION PLAN

HYDROCK PROJECT NO.: 35838

SCALE @ A3: 1:1,000

CLIENT: Kier Property Ltd

PURPOSE OF ISSUE: SUITABLE FOR INFORMATION

STATUS: S2

PROJECT: Sharston Industrial Estate

DRAWING NO.: 35838-HYD-XX-XX-DR-GE-0002

REVISION: P03

Appendix B Desk study data

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Sharston Industrial Estate

Order Details

Date: 29/01/2025

Your ref: PO39144

Our Ref: HYD-WPS-KBL-ADD-H7B

Site Details

Location: 383253 389328

Area: 1.61 ha

Authority: Manchester City Council ↗



Summary of findings p. 2 >

Aerial image p. 9 >

OS MasterMap site plan p.14 >

Insight User Guide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	8	7	69	54	-
21 >	1.2 >	Historical tanks >	4	4	13	26	-
23 >	1.3 >	Historical energy features >	1	1	7	8	-
24	1.4	Historical petrol stations	0	0	0	0	-
24 >	1.5 >	Historical garages >	0	0	12	0	-
25	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
26 >	2.1 >	Historical industrial land uses >	11	10	92	76	-
33 >	2.2 >	Historical tanks >	11	4	20	38	-
36 >	2.3 >	Historical energy features >	2	1	16	18	-
38	2.4	Historical petrol stations	0	0	0	0	-
38 >	2.5 >	Historical garages >	0	0	12	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
40	3.1	Active or recent landfill	0	0	0	0	-
40	3.2	Historical landfill (BGS records)	0	0	0	0	-
41	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
41 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	0	-
41 >	3.5 >	Historical waste sites >	0	0	2	11	-
45 >	3.6 >	Licensed waste sites >	0	0	6	0	-
47 >	3.7 >	Waste exemptions >	0	1	17	12	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
51 >	4.1 >	Recent industrial land uses >	3	6	34	-	-
54 >	4.2 >	Current or recent petrol stations >	0	0	1	0	-
55	4.3	Electricity cables	0	0	0	0	-
55	4.4	Gas pipelines	0	0	0	0	-
55	4.5	Sites determined as Contaminated Land	0	0	0	0	-

55	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
55	4.7	Regulated explosive sites	0	0	0	0	-
56	4.8	Hazardous substance storage/usage	0	0	0	0	-
56	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
56 >	4.10 >	Licensed industrial activities (Part A(1)) >	1	0	0	4	-
57 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	1	1	5	6	-
59	4.12	Radioactive Substance Authorisations	0	0	0	0	-
59	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
59	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
59	4.15	Pollutant release to public sewer	0	0	0	0	-
60	4.16	List 1 Dangerous Substances	0	0	0	0	-
60	4.17	List 2 Dangerous Substances	0	0	0	0	-
60 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	1	6	-
61	4.19	Pollution inventory substances	0	0	0	0	-
61	4.20	Pollution inventory waste transfers	0	0	0	0	-
61	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
62 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
64 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
66 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
67	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
67	5.5	Groundwater vulnerability- local information	None (within 0m)				
68 >	5.6 >	Groundwater abstractions >	0	0	0	0	7
70 >	5.7 >	Surface water abstractions >	0	0	0	0	2
71	5.8	Potable abstractions	0	0	0	0	0
71	5.9	Source Protection Zones	0	0	0	0	-
71	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
72 >	6.1 >	Water Network (OS MasterMap) >	0	0	3	-	-

73 >	6.2 >	Surface water features >	0	0	1	-	-
73 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
74 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
74 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
75	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
76 >	7.2 >	Historical Flood Events >	0	0	1	-	-
76	7.3	Flood Defences	0	0	0	-	-
76	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
76	7.5	Flood Storage Areas	0	0	0	-	-
77	7.6	Flood Zone 2	None (within 50m)				
77	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
78 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
80 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
81	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
82	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
82	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
82	10.4	Special Protection Areas (SPA)	0	0	0	0	0
82	10.5	National Nature Reserves (NNR)	0	0	0	0	0
83 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	3
83 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	3
83	10.8	Biosphere Reserves	0	0	0	0	0
84	10.9	Forest Parks	0	0	0	0	0
84	10.10	Marine Conservation Zones	0	0	0	0	0
84 >	10.11 >	Green Belt >	0	0	1	0	3
84	10.12	Proposed Ramsar sites	0	0	0	0	0

85	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
85	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
85	10.15	Nitrate Sensitive Areas	0	0	0	0	0
85	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
86 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
87	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
88	11.1	World Heritage Sites	0	0	0	-	-
89	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
89	11.3	National Parks	0	0	0	-	-
89 >	11.4 >	Listed Buildings >	0	0	2	-	-
90	11.5	Conservation Areas	0	0	0	-	-
90	11.6	Scheduled Ancient Monuments	0	0	0	-	-
90	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
91 >	12.1 >	Agricultural Land Classification >	Non Agricultural (within 250m)				
92	12.2	Open Access Land	0	0	0	-	-
92	12.3	Tree Felling Licences	0	0	0	-	-
92	12.4	Environmental Stewardship Schemes	0	0	0	-	-
92	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	13.1 >	Priority Habitat Inventory >	0	0	10	-	-
94	13.2	Habitat Networks	0	0	0	-	-
94	13.3	Open Mosaic Habitat	0	0	0	-	-
94	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
95 >	14.1 >	10k Availability >	Identified (within 500m)				
96	14.2	Artificial and made ground (10k)	0	0	0	0	-
97 >	14.3 >	Superficial geology (10k) >	1	0	3	3	-

98	14.4	Landslip (10k)	0	0	0	0	-
99 >	14.5 >	Bedrock geology (10k) >	1	1	0	0	-
100 >	14.6 >	Bedrock faults and other linear features (10k) >	0	1	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
101 >	15.1 >	50k Availability >	Identified (within 500m)				
102	15.2	Artificial and made ground (50k)	0	0	0	0	-
102	15.3	Artificial ground permeability (50k)	0	0	-	-	-
103 >	15.4 >	Superficial geology (50k) >	1	0	2	4	-
104 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
104	15.6	Landslip (50k)	0	0	0	0	-
104	15.7	Landslip permeability (50k)	None (within 50m)				
105 >	15.8 >	Bedrock geology (50k) >	1	1	0	0	-
106 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
106 >	15.10 >	Bedrock faults and other linear features (50k) >	0	1	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
107 >	16.1 >	BGS Boreholes >	1	0	12	-	-
Page	Section	Natural ground subsidence >					
109 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
110 >	17.2 >	Running sands >	Very low (within 50m)				
111 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
112 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
113 >	17.5 >	Landslides >	Very low (within 50m)				
114 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
116	18.1	BritPits	0	0	0	0	-
117 >	18.2 >	Surface ground workings >	0	0	22	-	-
118	18.3	Underground workings	0	0	0	0	0
118	18.4	Underground mining extents	0	0	0	0	-
118	18.5	Historical Mineral Planning Areas	0	0	0	0	-

118	18.6	Non-coal mining	0	0	0	0	0
118	18.7	JPB mining areas	None (within 0m)				
119	18.8	The Coal Authority non-coal mining	0	0	0	0	-
119	18.9	Researched mining	0	0	0	0	-
119	18.10	Mining record office plans	0	0	0	0	-
119	18.11	BGS mine plans	0	0	0	0	-
120	18.12	Coal mining	None (within 0m)				
120	18.13	Brine areas	None (within 0m)				
120	18.14	Gypsum areas	None (within 0m)				
120	18.15	Tin mining	None (within 0m)				
120	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
121	19.1	Natural cavities	0	0	0	0	-
121	19.2	Mining cavities	0	0	0	0	0
121	19.3	Reported recent incidents	0	0	0	0	-
121	19.4	Historical incidents	0	0	0	0	-
Page	Section	**Radon** >					
123 >	**20.1** >	**Radon** >	Less than 1% (within 0m)				
Page	Section	**Soil chemistry** >	On site	0-50m	50-250m	250-500m	500-2000m
125 >	**21.1** >	**BGS Estimated Background Soil Chemistry** >	1	1	-	-	-
125	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
125	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	**Railway infrastructure and projects** >	On site	0-50m	50-250m	250-500m	500-2000m
126	22.1	Underground railways (London)	0	0	0	-	-
126	22.2	Underground railways (Non-London)	0	0	0	-	-
127	22.3	Railway tunnels	0	0	0	-	-
127 >	**22.4** >	**Historical railway and tunnel features** >	0	0	28	-	-
128	22.5	Royal Mail tunnels	0	0	0	-	-
128	22.6	Historical railways	0	0	0	-	-

129 >	**22.7 >**	**Railways >**	0	0	14	-	-
129	22.8	Crossrail 2	0	0	0	0	-
130	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 07/04/2023

Site Area: 1.61ha

Recent site history - 2019 aerial photograph



Capture Date: 22/04/2019

Site Area: 1.61ha

Recent site history - 2016 aerial photograph



Capture Date: 21/04/2016

Site Area: 1.61ha

Recent site history - 2009 aerial photograph



Capture Date: 24/06/2009

Site Area: 1.61ha

Recent site history - 2000 aerial photograph



Capture Date: 27/06/2000

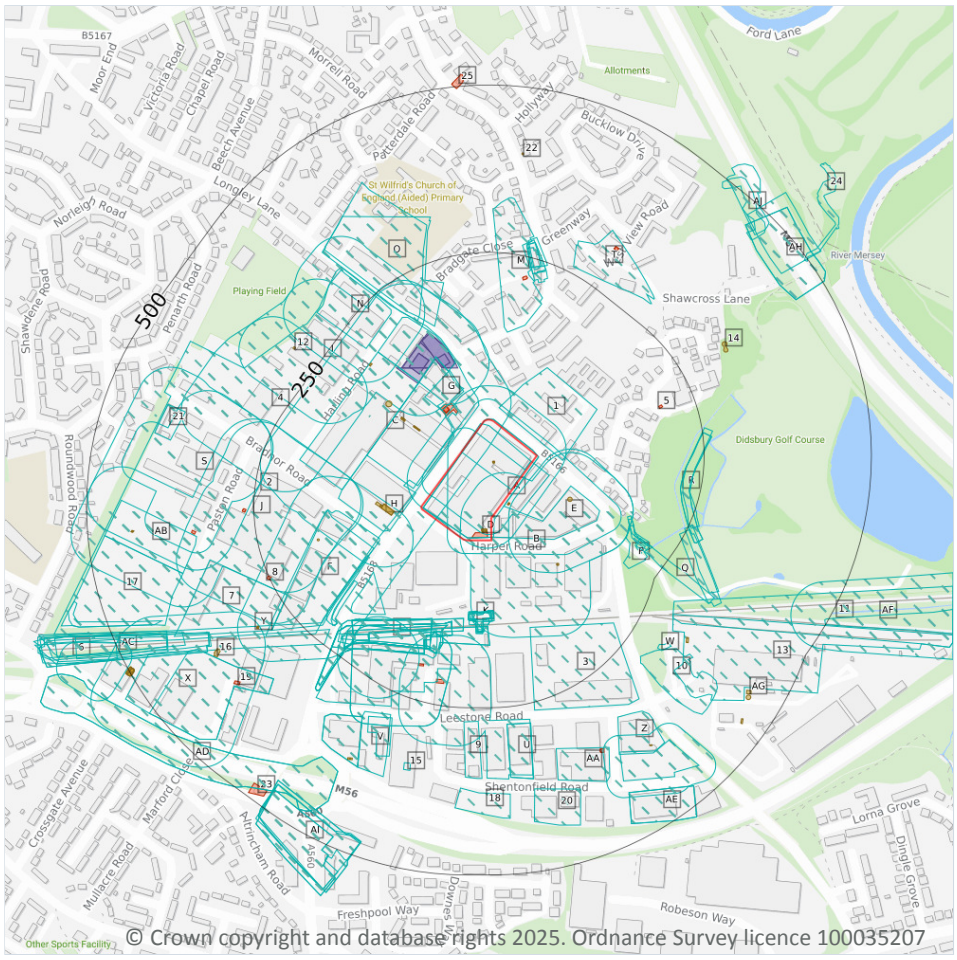
Site Area: 1.61ha

OS MasterMap site plan



Site Area: 1.61ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	138

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Factories**	**1938**	**817634**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Works**	**1977**	**867093**
A	**On site**	**Unspecified Factory**	**1938 - 1954**	**869609**
A	**On site**	**Unspecified Works**	**1967**	**903586**
A	**On site**	**Unspecified Commercial/Industrial**	**1989 - 1995**	**903798**
A	**On site**	**Unspecified Works**	**1938**	**942415**
B	**On site**	**Unspecified Works**	**1967 - 1977**	**911198**
C	**On site**	**Unspecified Works**	**1954**	**981330**
E	11m E	Unspecified Works	1967	860869
C	18m W	Unspecified Mills	1977	821884
1	19m NE	Nursery	1967	831793
2	20m W	Industrial Area	1989 - 1995	987653
C	26m W	Unspecified Mill	1967	826238
F	27m SW	Unspecified Factory	1967	857175
I	42m N	Unspecified Works	1967 - 1977	911197
G	53m N	Unspecified Works	1938	990549
F	77m SW	Unspecified Commercial/Industrial	1977	822555
J	87m W	Unspecified Works	1967	904290
J	90m W	Unspecified Works	1977	866912
G	92m N	Unspecified Commercial/Industrial	1977	822556
F	93m SW	Biscuit Factory	1938	837998
K	105m S	Railway Station	1938	954358
K	106m S	Railway Station	1908	953083
K	106m S	Railway Station	1967	954586
K	106m S	Railway Station	1911	980589
K	107m S	Railway Station	1938 - 1954	954547
K	107m S	Railway Station	1897	878548
K	108m S	Railway Station	1905	861661
K	108m S	Railway Station	1916 - 1923	1003889

ID	Location	Land use	Dates present	Group ID
F	110m SW	Unspecified Ground Workings	1954	863606
C	111m W	Unspecified Depot	1967 - 1977	904497
L	117m S	Goods Yard	1938	931935
L	117m S	Railway Sidings	1938	957415
F	119m SW	Unspecified Pit	1938	878837
L	123m S	Railway Sidings	1905	882129
L	123m S	Goods Yard	1905	929740
L	123m S	Goods Yard	1916 - 1923	956542
L	123m S	Railway Sidings	1916	960249
L	123m S	Railway Sidings	1923	967695
L	127m S	Cuttings	1995	928362
L	127m S	Cuttings	1977	930408
L	127m S	Cuttings	1967	938494
L	127m S	Cuttings	1989	943987
L	129m S	Railway Sidings	1989 - 1995	959491
L	129m S	Railway Sidings	1954 - 1977	962266
L	130m S	Railway Sidings	1907	860718
L	130m S	Railway Sidings	1897	887187
K	133m S	Railway Building	1897	855033
M	133m N	Nursery	1938 - 1954	982411
L	141m S	Railway Sidings	1938	963016
L	142m S	Cattle Pen	1907	920791
3	142m S	Dairy	1967 - 1977	973958
L	143m S	Unspecified Works	1967	894559
L	144m S	Goods Yard	1907	916797
L	146m S	Unspecified Works	1989 - 1995	917699
L	146m S	Unspecified Works	1977	936777
F	146m SW	Unspecified Ground Workings	1977	933359

ID	Location	Land use	Dates present	Group ID
4	155m W	Unspecified Works	1967 - 1977	918594
N	156m NW	Unspecified Factory	1967	857174
L	156m SW	Goods Yard	1907	1009077
O	160m N	Nursery	1907	887607
P	164m E	Unspecified Ground Workings	1954 - 1967	922823
P	167m E	Unspecified Ground Workings	1977	873798
L	171m S	Unspecified Depot	1967	821379
P	175m E	Unspecified Ground Workings	1989 - 1995	962678
O	180m N	Nursery	1905	988067
Q	197m E	Unspecified Heap	1954	862832
L	199m SW	Railway Sidings	1907	949464
N	206m NW	Unspecified Commercial/Industrial	1977	822557
M	217m N	Smithy	1897	953123
R	220m E	Unspecified Heap	1989	864570
R	220m E	Unspecified Heap	1967 - 1977	866129
R	222m E	Unspecified Heap	1995	966966
6	227m SW	Cuttings	1916	877967
M	227m N	Smithy	1905	927638
M	227m N	Smithy	1916 - 1923	976493
M	234m N	Smithy	1911	1002332
S	235m W	Unspecified Works	1967	901060
M	236m N	Smithy	1908	913485
S	236m W	Unspecified Works	1977	932925
M	236m N	Smithy	1938	875504
7	239m SW	Unspecified Depot	1977	821367
Q	243m E	Unspecified Heap	1916 - 1923	1008463
Q	246m E	Unspecified Heap	1954	949364
T	260m NE	Nursery	1938 - 1954	876325

ID	Location	Land use	Dates present	Group ID
9	270m S	Unspecified Works	1967	896721
U	276m S	Unspecified Commercial/Industrial	1989 - 1995	958536
U	276m S	Unspecified Works	1977	1002844
10	282m SE	Unspecified Heap	1938 - 1954	948354
V	283m S	Ambulance Station	1989 - 1995	950238
V	287m S	Ambulance Depot	1967	820029
11	288m SE	Railway Building	1989	855007
13	293m SE	Refuse Treatment Plant	1989	821805
W	295m SE	Unspecified Ground Workings	1954	815968
X	299m SW	Unspecified Works	1967 - 1977	881974
V	305m SW	Unspecified Commercial/Industrial	1989 - 1995	937630
V	305m SW	Unspecified Works	1977	989989
Z	325m SE	Unspecified Works	1967	922807
AA	326m S	Unspecified Works	1967 - 1977	1007016
X	337m SW	Unspecified Factory	1977	857180
X	337m SW	Unspecified Commercial/Industrial	1989	959598
AB	339m W	Unspecified Commercial/Industrial	1977	822554
15	344m S	Ambulance Station	1995	806558
Z	345m SE	Unspecified Works	1977	974681
AC	367m SW	Cuttings	1923 - 1938	962278
AC	369m SW	Cuttings	1907	965661
AC	369m SW	Cuttings	1905 - 1907	973146
17	370m W	Unspecified Depot	1967 - 1977	985235
18	370m S	Unspecified Depot	1967	821378
Z	370m SE	Unspecified Commercial/Industrial	1989 - 1995	920583
20	377m S	Unspecified Depot	1967	821377
21	380m W	Unspecified Depot	1967	821366
AD	388m SW	Cuttings	1977	875640

ID	Location	Land use	Dates present	Group ID
AD	388m SW	Cuttings	1989 - 1995	978584
AC	403m SW	Cuttings	1897	887213
AC	423m SW	Cuttings	1989 - 1995	963063
AC	423m SW	Unspecified Ground Workings	1967	815943
AC	425m SW	Cuttings	1967	943201
AC	426m SW	Cuttings	1977	910731
AE	430m SE	Unspecified Commercial/Industrial	1989 - 1995	876636
AE	430m SE	Unspecified Works	1967 - 1977	1004462
AF	441m E	Rifle Range	1938	863258
AH	444m NE	Cuttings	1977	921852
AH	444m NE	Cuttings	1989	961321
AI	454m SW	Nurseries	1907	952989
AI	454m SW	Nurseries	1907	994992
AJ	455m NE	Unspecified Heap	1938	913241
AH	456m NE	Cuttings	1995	1004766
AI	459m SW	Nurseries	1938	964452
AI	459m SW	Nurseries	1907	910592
AJ	464m NE	Unspecified Heap	1954 - 1967	898139
AI	468m SW	Nurseries	1916 - 1923	939100
AI	468m SW	Nurseries	1905	960260
AC	484m SW	Ambulance Station	1967	806557
AC	492m SW	Cuttings	1954	912292
24	495m NE	Unspecified Ground Workings	1967 - 1977	869069
AF	495m E	Rifle Range	1892	925672
AC	499m SW	Cuttings	1938	957735

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	47

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Tank**	**1956 - 1967**	**145755**
A	**On site**	**Unspecified Tank**	**1992 - 1995**	**145775**
D	**On site**	**Unspecified Tank**	**1967 - 1995**	**133406**
D	**On site**	**Unspecified Tank**	**1956 - 1957**	**154996**
A	7m SE	Unspecified Tank	1956	142288
A	8m SE	Unspecified Tank	1957	154278
H	41m W	Unspecified Tank	1956	139121
H	41m W	Unspecified Tank	1957	129404
H	58m W	Unspecified Tank	1967	135288
H	58m W	Unspecified Tank	1956	154543
H	61m W	Unspecified Tank	1957	123849
C	69m NW	Tanks	1957	132180
C	69m NW	Tanks	1956	151743
E	75m E	Unspecified Tank	1992 - 1995	153316
C	76m NW	Tanks	1956	149311
C	96m NW	Tanks	1967 - 1995	138693
C	96m NW	Tanks	1956 - 1957	134885
B	104m SE	Unspecified Tank	1961	121794
C	126m NW	Unspecified Tank	1992 - 1995	147864
F	160m W	Unspecified Tank	1992 - 1995	155776
I	185m NW	Unspecified Tank	1956 - 1957	152762

ID	Location	Land use	Dates present	Group ID
12	292m NW	Unspecified Tank	1992	149396
Y	300m SW	Unspecified Tank	1992 - 1996	135579
Y	301m SW	Unspecified Tank	1980	134591
Y	301m SW	Unspecified Tank	1980	138132
Y	301m SW	Unspecified Tank	1987	154950
14	320m NE	Tanks	1898	110989
W	326m SE	Unspecified Tank	1983 - 1996	136483
V	366m SW	Tanks	1978	111690
16	367m SW	Tanks	1987 - 1996	128974
V	368m SW	Tanks	1978	111691
Z	387m SE	Unspecified Tank	1978	121795
22	399m N	Unspecified Tank	1910	121796
AB	431m W	Unspecified Tank	1967	140967
AB	431m W	Unspecified Tank	1980	133732
AB	431m W	Unspecified Tank	1980	153110
AG	443m SE	Unspecified Tank	1983 - 1996	130230
AG	447m SE	Unspecified Tank	1983 - 1996	151273
AG	459m SE	Unspecified Tank	1978 - 1997	154735
AC	492m SW	Tanks	1961	131391
AC	493m SW	Tanks	1959	136908
AC	493m SW	Tanks	1967	150934
AC	493m SW	Tanks	1980	148548
AC	493m SW	Unspecified Tank	1987	123857
AC	495m SW	Tanks	1959	131048
AC	495m SW	Tanks	1967	133834
AC	500m SW	Unspecified Tank	1987	123856

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	17

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
D	**On site**	**Electricity Substation**	**1956 - 1957**	**86968**
G	40m N	Electricity Substation	1957	82545
G	51m N	Electricity Substation	1992 - 1995	90870
G	52m N	Electricity Substation	1956	87501
L	196m S	Electricity Substation	1992 - 1995	88099
5	197m NE	Electricity Substation	1996	67801
L	211m S	Electricity Substation	1992 - 1995	75214
M	215m N	Electricity Substation	1984 - 1992	70571
8	247m SW	Electricity Substation	1980 - 1996	69154
J	262m W	Electricity Substation	1987 - 1996	90411
T	314m NE	Electricity Substation	1992	72917
T	314m NE	Electricity Substation	1967	74787
J	339m W	Electricity Substation	1980	85107
AA	352m SE	Electricity Substation	1978 - 1995	76949
19	375m SW	Electricity Substation	1980	83789
23	476m SW	Electricity Substation	1978 - 1992	75614
25	497m N	Electricity Substation	1984 - 1992	72072

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	12

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
G	89m N	Garage	1984	29440
G	94m N	Garage	1967	28517
G	94m N	Garage	1959	26380
G	94m N	Garage	1956	28087
G	100m N	Garage	1961	23046
G	100m N	Garage	1957	28382
G	113m NW	Garage	1956	27299
G	115m NW	Garage	1967	27782
G	120m NW	Garage	1961	27886
G	120m NW	Garage	1957	28266
G	120m NW	Garage	1959	27487
G	120m NW	Garage	1956	27811

This data is sourced from Ordnance Survey / Groundsure.

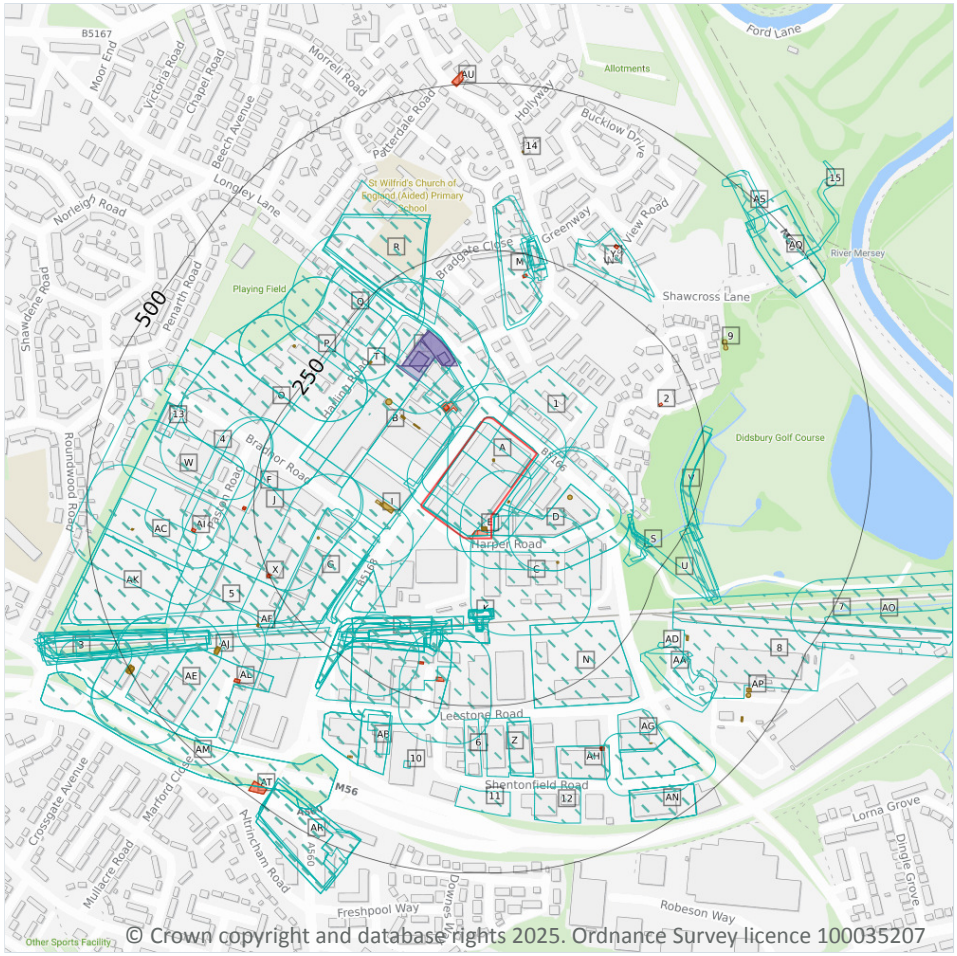
1.6 Historical military land

Records within 500m	0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.

2 Past land use - un-grouped



© Crown copyright and database rights 2025. Ordnance Survey licence 100035207

2.1 Historical industrial land uses

Records within 500m	189

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 26 >**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Works	1938	942415
A	On site	Unspecified Factory	1938	869609
A	On site	Unspecified Factory	1954	869609

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Works**	**1967**	**903586**
A	**On site**	**Unspecified Commercial/Industrial**	**1995**	**903798**
A	**On site**	**Unspecified Works**	**1977**	**867093**
A	**On site**	**Unspecified Commercial/Industrial**	**1989**	**903798**
A	**On site**	**Unspecified Factories**	**1938**	**817634**
B	**On site**	**Unspecified Works**	**1954**	**981330**
C	**On site**	**Unspecified Works**	**1967**	**911198**
D	**On site**	**Unspecified Works**	**1977**	**911198**
D	3m S	Unspecified Commercial/Industrial	1995	903798
D	3m S	Unspecified Commercial/Industrial	1989	903798
D	11m E	Unspecified Works	1967	860869
B	18m W	Unspecified Mills	1977	821884
1	19m NE	Nursery	1967	831793
F	20m W	Industrial Area	1995	987653
F	20m W	Industrial Area	1989	987653
B	26m W	Unspecified Mill	1967	826238
G	27m SW	Unspecified Factory	1967	857175
H	42m N	Unspecified Works	1967	911197
H	53m N	Unspecified Works	1938	990549
G	77m SW	Unspecified Commercial/Industrial	1977	822555
J	87m W	Unspecified Works	1967	904290
J	90m W	Unspecified Works	1977	866912
H	92m N	Unspecified Commercial/Industrial	1977	822556
G	93m SW	Biscuit Factory	1938	837998
K	105m S	Railway Station	1938	954358
K	106m S	Railway Station	1908	953083
K	106m S	Railway Station	1967	954586
K	106m S	Railway Station	1911	980589

ID	Location	Land Use	Date	Group ID
K	107m S	Railway Station	1954	954547
K	107m S	Railway Station	1897	878548
K	108m S	Railway Station	1916	1003889
K	108m S	Railway Station	1905	861661
K	108m S	Railway Station	1923	1003889
G	110m SW	Unspecified Ground Workings	1954	863606
B	111m W	Unspecified Depot	1967	904497
B	111m W	Unspecified Depot	1977	904497
K	116m S	Railway Station	1938	954547
L	117m S	Goods Yard	1938	931935
L	117m S	Railway Sidings	1938	957415
G	119m SW	Unspecified Pit	1938	878837
G	119m SW	Unspecified Pit	1938	878837
L	123m S	Railway Sidings	1916	960249
L	123m S	Goods Yard	1916	956542
L	123m S	Railway Sidings	1905	882129
L	123m S	Goods Yard	1905	929740
L	123m S	Goods Yard	1923	956542
L	123m S	Railway Sidings	1923	967695
L	127m S	Cuttings	1995	928362
L	127m S	Cuttings	1967	938494
L	127m S	Cuttings	1977	930408
L	127m S	Cuttings	1989	943987
L	129m S	Railway Sidings	1954	962266
L	129m S	Railway Sidings	1995	959491
L	129m S	Railway Sidings	1967	962266
L	129m S	Railway Sidings	1977	962266
L	129m S	Railway Sidings	1989	959491

ID	Location	Land Use	Date	Group ID
L	130m S	Railway Sidings	1897	887187
L	130m S	Railway Sidings	1907	860718
K	133m S	Railway Building	1897	855033
M	133m N	Nursery	1938	982411
L	141m S	Railway Sidings	1938	963016
M	141m N	Nursery	1954	982411
L	142m S	Cattle Pen	1907	920791
L	142m S	Cattle Pen	1907	920791
N	142m S	Dairy	1967	973958
N	142m S	Dairy	1977	973958
L	143m S	Unspecified Works	1967	894559
L	144m S	Goods Yard	1907	916797
L	144m S	Goods Yard	1907	916797
L	146m S	Unspecified Works	1995	917699
L	146m S	Unspecified Works	1977	936777
L	146m S	Unspecified Works	1989	917699
G	146m SW	Unspecified Ground Workings	1977	933359
O	155m W	Unspecified Works	1967	918594
O	155m W	Unspecified Works	1977	918594
P	156m NW	Unspecified Works	1967	911197
P	156m NW	Unspecified Works	1977	911197
Q	156m NW	Unspecified Factory	1967	857174
L	156m SW	Goods Yard	1907	1009077
R	160m N	Nursery	1907	887607
S	164m E	Unspecified Ground Workings	1967	922823
S	167m E	Unspecified Ground Workings	1977	873798
L	171m S	Unspecified Depot	1967	821379
S	173m E	Unspecified Ground Workings	1954	922823

ID	Location	Land Use	Date	Group ID
S	175m E	Unspecified Ground Workings	1995	962678
S	175m E	Unspecified Ground Workings	1989	962678
R	180m N	Nursery	1905	988067
R	184m N	Nursery	1907	887607
R	184m N	Nursery	1907	887607
U	197m E	Unspecified Heap	1954	862832
L	199m SW	Railway Sidings	1907	949464
L	199m SW	Railway Sidings	1907	949464
Q	206m NW	Unspecified Commercial/Industrial	1977	822557
M	217m N	Smithy	1897	953123
V	220m E	Unspecified Heap	1967	866129
V	220m E	Unspecified Heap	1977	866129
V	220m E	Unspecified Heap	1989	864570
V	222m E	Unspecified Heap	1995	966966
3	227m SW	Cuttings	1916	877967
M	227m N	Smithy	1916	976493
M	227m N	Smithy	1905	927638
M	227m N	Smithy	1923	976493
M	234m N	Smithy	1911	1002332
4	235m W	Unspecified Works	1967	901060
M	236m N	Smithy	1908	913485
W	236m W	Unspecified Works	1977	932925
M	236m N	Smithy	1938	875504
5	239m SW	Unspecified Depot	1977	821367
U	243m E	Unspecified Heap	1916	1008463
U	246m E	Unspecified Heap	1954	949364
U	251m E	Unspecified Heap	1923	1008463
Y	260m NE	Nursery	1938	876325

ID	Location	Land Use	Date	Group ID
Y	269m NE	Nursery	1954	876325
W	269m W	Unspecified Works	1967	901060
Z	269m S	Unspecified Works	1967	894559
6	270m S	Unspecified Works	1967	896721
Z	276m S	Unspecified Commercial/Industrial	1995	958536
Z	276m S	Unspecified Works	1977	1002844
Z	276m S	Unspecified Commercial/Industrial	1989	958536
AA	282m SE	Unspecified Heap	1938	948354
AB	283m S	Ambulance Station	1995	950238
AB	283m S	Ambulance Station	1989	950238
AA	287m SE	Unspecified Heap	1954	948354
AB	287m S	Ambulance Depot	1967	820029
7	288m SE	Railway Building	1989	855007
AC	288m W	Unspecified Works	1967	904290
8	293m SE	Refuse Treatment Plant	1989	821805
AD	295m SE	Unspecified Ground Workings	1954	815968
AE	299m SW	Unspecified Works	1967	881974
AB	305m SW	Unspecified Commercial/Industrial	1995	937630
AB	305m SW	Unspecified Works	1977	989989
AB	305m SW	Unspecified Commercial/Industrial	1989	937630
AG	325m SE	Unspecified Works	1967	922807
AH	326m S	Unspecified Works	1967	1007016
AH	326m S	Unspecified Works	1977	1007016
AE	337m SW	Unspecified Factory	1977	857180
AE	337m SW	Unspecified Commercial/Industrial	1989	959598
AC	339m W	Unspecified Commercial/Industrial	1977	822554
10	344m S	Ambulance Station	1995	806558
AG	345m SE	Unspecified Works	1977	974681

ID	Location	Land Use	Date	Group ID
AE	358m SW	Unspecified Works	1977	881974
AE	367m SW	Cuttings	1938	962278
AE	369m SW	Cuttings	1907	965661
AE	369m SW	Cuttings	1907	973146
AE	369m SW	Cuttings	1907	973146
AK	370m W	Unspecified Depot	1967	985235
AK	370m W	Unspecified Depot	1977	985235
11	370m S	Unspecified Depot	1967	821378
AG	370m SE	Unspecified Commercial/Industrial	1995	920583
AG	370m SE	Unspecified Commercial/Industrial	1989	920583
AE	376m SW	Cuttings	1923	962278
AE	376m SW	Cuttings	1905	973146
12	377m S	Unspecified Depot	1967	821377
13	380m W	Unspecified Depot	1967	821366
AM	388m SW	Cuttings	1995	978584
AM	388m SW	Cuttings	1977	875640
AM	388m SW	Cuttings	1989	978584
AE	403m SW	Cuttings	1897	887213
AE	409m SW	Unspecified Commercial/Industrial	1989	959598
AE	423m SW	Cuttings	1995	963063
AE	423m SW	Cuttings	1989	963063
AE	423m SW	Unspecified Ground Workings	1967	815943
AE	425m SW	Cuttings	1967	943201
AE	426m SW	Cuttings	1977	910731
AN	430m SE	Unspecified Commercial/Industrial	1995	876636
AN	430m SE	Unspecified Works	1967	1004462
AN	430m SE	Unspecified Works	1977	1004462
AN	430m SE	Unspecified Commercial/Industrial	1989	876636

ID	Location	Land Use	Date	Group ID
AO	441m E	Rifle Range	1938	863258
AQ	444m NE	Cuttings	1977	921852
AQ	444m NE	Cuttings	1989	961321
AR	454m SW	Nurseries	1907	952989
AR	454m SW	Nurseries	1907	994992
AS	455m NE	Unspecified Heap	1938	913241
AQ	456m NE	Cuttings	1995	1004766
AR	459m SW	Nurseries	1938	964452
AR	459m SW	Nurseries	1907	910592
AS	464m NE	Unspecified Heap	1954	898139
AR	468m SW	Nurseries	1916	939100
AR	468m SW	Nurseries	1905	960260
AR	468m SW	Nurseries	1923	939100
AE	484m SW	Ambulance Station	1967	806557
AE	492m SW	Cuttings	1954	912292
15	495m NE	Unspecified Ground Workings	1967	869069
AO	495m E	Rifle Range	1892	925672
AE	499m SW	Cuttings	1938	957735

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**73**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 26 >**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Tank**	**1956**	**145755**
A	**On site**	**Unspecified Tank**	**1957**	**145755**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Tank**	**1961**	**145755**
A	**On site**	**Unspecified Tank**	**1967**	**145755**
A	**On site**	**Unspecified Tank**	**1995**	**145775**
A	**On site**	**Unspecified Tank**	**1992**	**145775**
E	**On site**	**Unspecified Tank**	**1956**	**154996**
E	**On site**	**Unspecified Tank**	**1957**	**154996**
E	**On site**	**Unspecified Tank**	**1967**	**133406**
E	**On site**	**Unspecified Tank**	**1995**	**133406**
E	**On site**	**Unspecified Tank**	**1992**	**133406**
A	7m SE	Unspecified Tank	1956	142288
A	8m SE	Unspecified Tank	1957	154278
I	41m W	Unspecified Tank	1956	139121
I	41m W	Unspecified Tank	1957	129404
I	58m W	Unspecified Tank	1956	154543
I	58m W	Unspecified Tank	1967	135288
I	61m W	Unspecified Tank	1957	123849
B	69m NW	Tanks	1957	132180
B	69m NW	Tanks	1956	151743
D	75m E	Unspecified Tank	1995	153316
D	75m E	Unspecified Tank	1992	153316
B	76m NW	Tanks	1956	149311
B	96m NW	Tanks	1995	138693
B	96m NW	Tanks	1992	138693
B	96m NW	Tanks	1957	134885
B	97m NW	Tanks	1956	134885
B	97m NW	Tanks	1967	138693
C	104m SE	Unspecified Tank	1961	121794
B	126m NW	Unspecified Tank	1995	147864

ID	Location	Land Use	Date	Group ID
B	126m NW	Unspecified Tank	1992	147864
G	160m W	Unspecified Tank	1995	155776
G	160m W	Unspecified Tank	1992	155776
T	185m NW	Unspecified Tank	1957	152762
T	186m NW	Unspecified Tank	1956	152762
P	292m NW	Unspecified Tank	1992	149396
P	292m NW	Unspecified Tank	1992	149396
AF	300m SW	Unspecified Tank	1996	135579
AF	300m SW	Unspecified Tank	1992	135579
AF	300m SW	Unspecified Tank	1992	135579
AF	301m SW	Unspecified Tank	1980	138132
AF	301m SW	Unspecified Tank	1980	134591
AF	301m SW	Unspecified Tank	1987	154950
9	320m NE	Tanks	1898	110989
AD	326m SE	Unspecified Tank	1983	136483
AD	327m SE	Unspecified Tank	1996	136483
AB	366m SW	Tanks	1978	111690
AJ	367m SW	Tanks	1996	128974
AJ	367m SW	Tanks	1992	128974
AJ	367m SW	Tanks	1992	128974
AB	368m SW	Tanks	1978	111691
AJ	369m SW	Tanks	1987	128974
AG	387m SE	Unspecified Tank	1978	121795
14	399m N	Unspecified Tank	1910	121796
AC	431m W	Unspecified Tank	1967	140967
AC	431m W	Unspecified Tank	1980	133732
AC	431m W	Unspecified Tank	1980	153110
AP	443m SE	Unspecified Tank	1983	130230

ID	Location	Land Use	Date	Group ID
AP	443m SE	Unspecified Tank	1996	130230
AP	447m SE	Unspecified Tank	1983	151273
AP	447m SE	Unspecified Tank	1996	151273
AP	459m SE	Unspecified Tank	1978	154735
AP	460m SE	Unspecified Tank	1992	154735
AP	460m SE	Unspecified Tank	1997	154735
AE	492m SW	Tanks	1961	131391
AE	493m SW	Tanks	1959	136908
AE	493m SW	Tanks	1967	150934
AE	493m SW	Tanks	1980	148548
AE	493m SW	Tanks	1980	148548
AE	493m SW	Unspecified Tank	1987	123857
AE	495m SW	Tanks	1959	131048
AE	495m SW	Tanks	1967	133834
AE	500m SW	Unspecified Tank	1987	123856

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m **37**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 26 >**

ID	Location	Land Use	Date	Group ID
E	**On site**	**Electricity Substation**	**1956**	**86968**
E	**On site**	**Electricity Substation**	**1957**	**86968**
H	40m N	Electricity Substation	1957	82545
H	51m N	Electricity Substation	1995	90870
H	51m N	Electricity Substation	1992	90870

ID	Location	Land Use	Date	Group ID
H	52m N	Electricity Substation	1956	87501
L	196m S	Electricity Substation	1995	88099
L	196m S	Electricity Substation	1992	88099
2	197m NE	Electricity Substation	1996	67801
L	211m S	Electricity Substation	1995	75214
L	211m S	Electricity Substation	1992	75214
M	215m N	Electricity Substation	1992	70571
M	216m N	Electricity Substation	1984	70571
X	247m SW	Electricity Substation	1996	69154
X	247m SW	Electricity Substation	1992	69154
X	247m SW	Electricity Substation	1992	69154
X	248m SW	Electricity Substation	1980	69154
X	248m SW	Electricity Substation	1980	69154
X	248m SW	Electricity Substation	1987	69154
J	262m W	Electricity Substation	1996	90411
J	262m W	Electricity Substation	1992	90411
J	262m W	Electricity Substation	1992	90411
J	264m W	Electricity Substation	1987	90411
Y	314m NE	Electricity Substation	1992	72917
Y	314m NE	Electricity Substation	1967	74787
AI	339m W	Electricity Substation	1980	85107
AI	339m W	Electricity Substation	1980	85107
AH	352m SE	Electricity Substation	1987	76949
AH	352m SE	Electricity Substation	1978	76949
AH	354m SE	Electricity Substation	1992	76949
AH	354m SE	Electricity Substation	1995	76949
AL	375m SW	Electricity Substation	1980	83789
AL	375m SW	Electricity Substation	1980	83789

ID	Location	Land Use	Date	Group ID
AT	476m SW	Electricity Substation	1992	75614
AT	477m SW	Electricity Substation	1978	75614
AU	497m N	Electricity Substation	1992	72072
AU	499m N	Electricity Substation	1984	72072

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	**12**

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

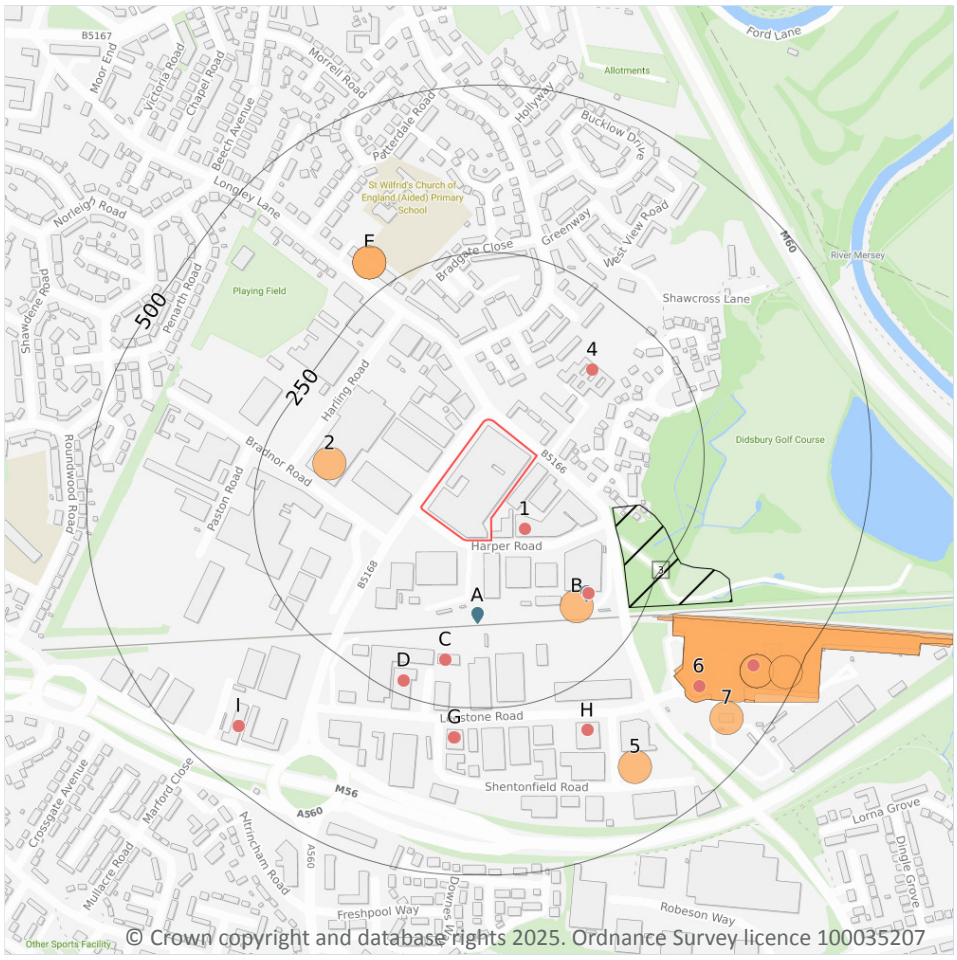
Features are displayed on the Past land use - un-grouped map on **page 26 >**

ID	Location	Land Use	Date	Group ID
H	89m N	Garage	1984	29440
H	94m N	Garage	1967	28517
H	94m N	Garage	1959	26380
H	94m N	Garage	1956	28087
H	100m N	Garage	1957	28382
H	100m N	Garage	1961	23046
H	113m NW	Garage	1956	27299
H	115m NW	Garage	1967	27782
H	120m NW	Garage	1957	28266

ID	Location	Land Use	Date	Group ID
H	120m NW	Garage	1961	27886
H	120m NW	Garage	1959	27487
H	120m NW	Garage	1956	27811

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



© Crown copyright and database rights 2025. Ordnance Survey licence 100035207

3.1 Active or recent landfill

Records within 500m	0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m	0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	1

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 40 >**

ID	Location	Details		
3	138m E	Site Address: Longley Lane, Northenden, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: F053 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m	13

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 40 >**

ID	Location	Address	Further Details	Date
2	127m W	Site Address: The Astrodome, Bradnor Road, Sharston, MANCHESTER, Greater Manchester, M22 4TX	Type of Site: Waste Recycling Plant Planning application reference: 043960/93 Description: No Details Data source: Historic Planning Application Data Type: Point	-

ID	Location	Address	Further Details	Date
B	136m SE	Site Address: Waste Transfer Station To The, Off Longley Road, Worsley, Manchester, Greater Manchester, M28 3	Type of Site: Waste Transfer Station (Extension) Planning application reference: 120297/FO/2018 Description: Scheme comprises part retrospective application for the creation of a new access point off Sharston Road to existing waste transfer station together with installation of waste processing equipment, site cabins, weigh bridges and storage bins. Data source: Historic Planning Application Data Type: Point	23/10/2018
E	268m NW	Site Address: Longley Lane, Sharston, MANCHESTER, Greater Manchester, M22 4HZ	Type of Site: Waste Management Facility Planning application reference: 063199/VO/SOUTH2/01 Description: Scheme comprises re-organisations of waste management facility and vehicle depot to provide extended and enhanced materials re-cycling facilities, there will be a new research and development centre, cladding of existing store, re-location of tanksvehicl e barriers and a visitors centre. Associated works include 155 car paring spaces, access, sewer systems, enabling, landscaping works and service engineering. Construction - internal partitions walls; carpets, insitu concrete, linoleum/vinyl, raised acces s floor; pitched roof; aluminium framed, double glazed windows; fire, timber doors; pad foundations; portal, steel frame; black top surfacing, drain covers, kerbing, planting, road drainage, street lighting, turfing/grass, white lining site works;fire al arm system, suspended ceilings fittings. An application (ref: 063199/VO/SOUTH2/01) for Detailed Planning permission was granted by Manchester C.C. Contract details have not yet been confirmed. We have been advised that detailed planning has been approved . Data source: Historic Planning Application Data Type: Point	-
E	268m NW	Site Address: Longley Lane, Sharston, MANCHESTER, Greater Manchester, M22 4HZ	Type of Site: Waste Disposal (Alterations) Planning application reference: 49638 Description: Modify doorways. An application (ref: 49638) for Detailed Planning permission was submitted to Manchester C.C. on 29th March 1996. Data source: Historic Planning Application Data Type: Point	-

ID	Location	Address	Further Details	Date
F	274m SE	Site Address: N/A	Type of Site: Refuse Treatment Plant Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983
F	293m SE	Site Address: N/A	Type of Site: Refuse Treatment Plant Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
F	296m SE	Site Address: N/A	Type of Site: Refuse Treatment Plant Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996
5	376m SE	Site Address: Former Green Bros Signs Ltd Si, Shentonfield Road, Sharston Industrial Area, Manchester, Greater Manchester, M22 4TJ	Type of Site: Metal Recycling Facility Planning application reference: 101154/FO/2012/S2 Description: Scheme comprises change of use of site to metal recycling facility, including construction of office/staff amenity building, construction of buying shed and canopy, construction of End of Life Vehicle facility and associated tank farm, siting of weighbri dge and associated cabin, construction of 6m high boundary treatment, landscaping and siting of external plant and machinery and associated works following demolition of industrial building. Data source: Historic Planning Application Data Type: Point	07/02/2013
7	416m SE	Site Address: Greater Manchester Waste, Longley Lane, Sharston, Manchester, Greater Manchester, M22 4RQ	Type of Site: Materials Recycling Facility Planning application reference: 107205/WST/2014/S2 Description: Scheme comprises construction of materials recycling facility (MRF) welfare and office facility. The associated works include sewer systems, landscaping, infrastructure, enabling works, cable laying and access roads. Data source: Historic Planning Application Data Type: Point	30/12/2014

ID	Location	Address	Further Details	Date
F	417m SE	Site Address: Refuse Treatment Plant, Longley Lane, Sharston, MANCHESTER, Greater Manchester, M22 4	Type of Site: Recycling Area/Car Park Planning application reference: 49846 Description: 15 space car park. Re-cycling areas. An application (ref: 49846) for Detailed Planning permission was submitted to Manchester C.C. on 3rd May 1996. Data source: Historic Planning Application Data Type: Point	-
F	417m SE	Site Address: South Manchester Resource Reco, Longley Lane,Sharston, MANCHESTER, Greater Manchester, M22 4RQ	Type of Site: Waste Storage Area Planning application reference: 087983/FO/2008/S2 Description: Scheme comprises creation of temporary waste storage area for a period of 18 months during the redevelopment of the waste management facility approved as part of planning permission 085916/JO/2008S2. An application (ref: 087983/FO/2008/S2) for detailed p lanning permission was granted by Manchester C.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	01/07/2009
F	417m SE	Site Address: Former Railway Sidings, Lomgley Lane, Sharston, MANCHESTER, Greater Manchester	Type of Site: Waste Transfer Station (C/U) Planning application reference: 48545 Description: Use of land as a waste transfer station with the construction of timber and metal storage bays. An application (ref: 48545) for Detailed Planning permission was submitted to Manchester C.C. on 26th September 1995. Data source: Historic Planning Application Data Type: Point	-
F	457m SE	Site Address: Longley Lane, Sharston Industrial Area, MANCHESTER, Greater Manchester, M22 4WT	Type of Site: Recycling Centre Planning application reference: 083953/FO/2007/S2 Description: Scheme comprises construction of a mechanical biological treatment plant, improvements to the green waste shredding facility and the household waste recycling centre. Construction - black top surfacing site works. An application (ref: 083953/FO/2007/S2fo r detailed planning permission was granted by Manchester C.C. This is part of the PFI waste management scheme, lead 05087716 Works have commenced on site. Data source: Historic Planning Application Data Type: Point	22/02/2010

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m	6

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 40 >**

ID	Location	Details		
A	112m S	Site Name: The Old Railway Station Site Address: The Old Railway Station, Longley Lane, Sharston Ind Est, Manchester, M22 4SS Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PPO005 EPR reference: EA/EPR/AB3205FD/T001 Operator: P P O' Connor Limited Waste Management licence No: 53457 Annual Tonnage: 3250	Issue Date: 16/02/1998 Effective Date: 27/06/2013 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	112m S	Site Name: The Old Railway Station Site Address: The Old Railway Station, Longley Lane, Sharston Ind Est, Manchester, M22 4SS Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PPO005 EPR reference: EA/EPR/AB3205FD/V002 Operator: P P O' Connor Group Limited Waste Management licence No: 53457 Annual Tonnage: 3250	Issue Date: 16/02/1998 Effective Date: 27/06/2013 Modified: 13/12/2019 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
A	112m S	Site Name: The Old Railway Station Site Address: The Old Railway Station, Longley Lane, Sharston Ind Est, Manchester, Manchester, M22 4SS Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 640227 EPR reference: EA/EPR/AB3205FD Operator: Pp O'connor Group Limited Waste Management licence No: 53457 Annual Tonnage: 3250	Issue Date: 16/02/1998 Effective Date: 16/02/1998 Modified: 16/02/1998 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	162m SE	Site Name: Davidson's Skip Hire Ltd Site Address: The Old Railway Station, Longley Lane, Sharston Ind Area, Manchester, M22 4SS Correspondence Address: The Old Railway Station, Longley Lane, Sharston Ind Area, Manchester, M22 4SS	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DSH001 EPR reference: - Operator: Davidson's Skip Hire Ltd Waste Management licence No: 53457 Annual Tonnage: 3250	Issue Date: 16/02/1998 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	162m SE	Site Name: The Recycling Hutch Site Address: The Old Railway Station, Longley Lane, Sharston Ind Area, Manchester, Lancs, M22 4SS Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REC249 EPR reference: GP3093SD/T001 Operator: The Recycling Hutch Ltd Waste Management licence No: 53457 Annual Tonnage: 3250	Issue Date: 16/02/1998 Effective Date: 16/04/2010 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred

ID	Location	Details		
B	162m SE	Site Name: The Old Railway Station Site Address: The Old Railway Station, Longley Lane, Sharston Ind Est, Manchester, M22 4SS Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOH005 EPR reference: EA/EPR/UP3390VZ/T001 Operator: M O' Halloran & Son (Plant Hire) Ltd Waste Management licence No: 53457 Annual Tonnage: 3250	Issue Date: 16/02/1998 Effective Date: 21/03/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m	**30**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 40 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	50m SE	South Manchester Hwrc, Mrf And Mbt, Longley Lane, Sharston, Manchester, M22 4rg	WEX176468	Storing waste exemption	Not on a farm	Storage of waste in a secure place
4	152m NE	-	WEX388214	Using waste exemption	Not on a farm	Use of waste in construction
B	165m SE	Longley Lane, Sharston Industrial Area, Manchester, M22 4ss	WEX376832	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	165m SE	Longley Lane, Sharston Industrial Area, Manchester, M22 4ss	WEX376832	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	165m SE	The Old Railway Station, Off Longley Lane, Sharston Industrial Estate, Manchester, M22 4ss	WEX409101	Storing waste exemption	Not on a farm	Storage of waste in a secure place

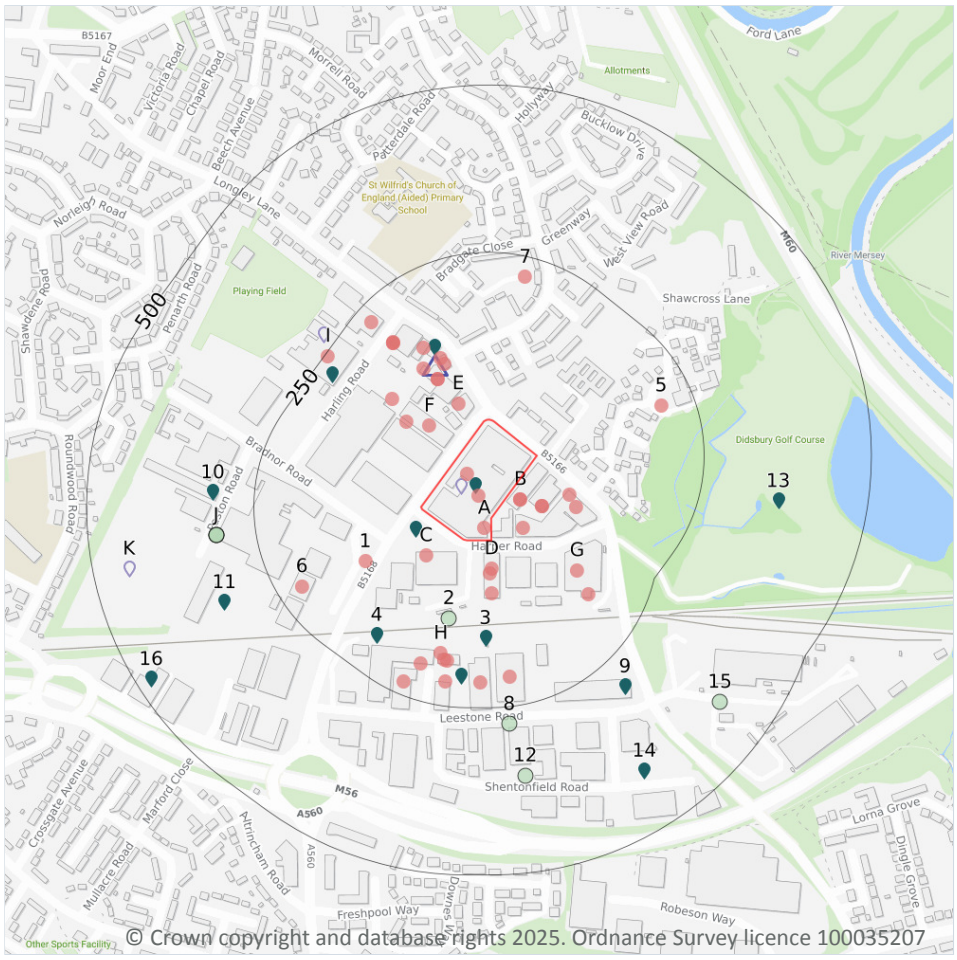
ID	Location	Site	Reference	Category	Sub-Category	Description
B	165m SE	The Old Railway Station, Off Longley Lane, Sharston Industrial Estate, Manchester, M22 4ss	WEX409101	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	165m SE	The Old Railway Station, Off Longley Lane, Sharston Industrial Estate, Manchester, M22 4ss	WEX409101	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	165m SE	Longley Lane, Sharston Industrial Area, Manchester, M22 4ss	WEX247677	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	165m SE	Longley Lane, Sharston Industrial Area, Manchester, M22 4ss	WEX247677	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	165m SE	Longley Lane, Sharston Industrial Area, Manchester, M22 4ss	WEX105195	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	165m SE	Longley Lane, Sharston Industrial Area, Manchester, M22 4ss	WEX105195	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	165m SE	The Old Railway Station, Off Longley Lane, Sharston Industrial Estate, Manchester, M22 4ss	WEX279966	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	165m SE	The Old Railway Station, Off Longley Lane, Sharston Industrial Estate, Manchester, M22 4ss	WEX279966	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	165m SE	The Old Railway Station, Off Longley Lane, Sharston Industrial Estate, Manchester, M22 4ss	WEX279966	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	181m S	Interpart (Uk) Ltd - Extension New Build By Russells Ltd, Warsall Road, Sharston Industrial Area, Manchester, M22 4rh	WEX076121	Treating waste exemption	Not on a farm	Screening and blending of waste
C	181m S	Interpart (Uk) Ltd - Extension New Build By Russells Ltd, Warsall Road, Sharston Industrial Area, Manchester, M22 4rh	WEX076121	Using waste exemption	Not on a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
D	229m S	Unit 41 (Russells Construction Site - New Build), Sharston Industrial Estate, Leestone Road, Sharston, M22 4rh	WEX155327	Treating waste exemption	Not on a farm	Screening and blending of waste
D	229m S	Unit 41 (Russells Construction Site - New Build), Sharston Industrial Estate, Leestone Road, Sharston, M22 4rh	WEX155327	Using waste exemption	Not on a farm	Use of waste in construction
G	295m S	Impex House, Leestone Road, Sharston Industrial Area, Manchester, M22 4rn	WEX386377	Treating waste exemption	Not on a farm	Treatment of waste aerosol cans
G	295m S	Impex House, Leestone Road, Sharston Industrial Area, Manchester, M22 4rn	WEX116693	Treating waste exemption	Not on a farm	Treatment of waste aerosol cans
G	295m S	Impex House, Leestone Road, Sharston Industrial Area, Manchester, M22 4rn	WEX257486	Treating waste exemption	Not on a farm	Treatment of waste aerosol cans
G	296m S	Impex House Leestone Road Manchester M22 4rn	EPR/AF0406LZ/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste aerosol cans
H	318m SE	Delta Point Leestone Road Wythenshawe M22 4sa	EPR/WH0011RM/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
H	318m SE	Delta Point Leestone Road Wythenshawe M22 4sa	EPR/WH0011RM/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
6	379m SE	South Manchester Hwrc, Mrf And Mbt Facility Longley Lane Manchester M22 4rq	EPR/YF0102GA/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
I	425m SW	Seddon Construction Ltd, Altrincham Road, Sharston, M23 9pf	WEX017915	Using waste exemption	Not on a farm	Use of waste in construction
I	425m SW	Seddon Construction Ltd, Altrincham Road, Sharston, M23 9pf	WEX017915	Treating waste exemption	Not on a farm	Screening and blending of waste
I	425m SW	Mkm Sharston, Altrincham Road, Manchester, M23 9pf	WEX001514	Using waste exemption	Not on a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
I	425m SW	Mkm Sharston, Altrincham Road, Manchester, M23 9pf	WEX001514	Treating waste exemption	Not on a farm	Screening and blending of waste
F	433m SE	Suez Recycling And Recovery Uk Ltd, Longley Lane (South Manchester) Rrc, Longley Lane, M22 4rq, M22 4rq	WEX313762	Storing waste exemption	Not on a farm	Storage of waste in a secure place

This data is sourced from the Environment Agency and Natural Resources Wales.

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	43

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 51 >**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Tank**	**Greater Manchester, M22**	**Tanks (Generic)**	**Industrial Features**
A	**On site**	**Electrium Sales Ltd**	**Wylex Works, Sharston Road, Manchester, Greater Manchester, M22 4RA**	**Electronic Equipment**	**Industrial Products**
A	**On site**	**Industrial Area**	**Greater Manchester, M22**	**Business Parks and Industrial Estates**	**Industrial Features**

ID	Location	Company	Address	Activity	Category
B	19m E	Top Tyres Ltd	122, Longley Lane, Manchester, Greater Manchester, M22 4SY	Vehicle Parts and Accessories	Motoring
B	19m E	Top Gear Motors	122, Longley Lane, Manchester, Greater Manchester, M22 4SY	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	42m S	G S F Car Parts Manchester - Wythenshawe	Unit 2 Beta Court, Harper Road, Manchester, Greater Manchester, M22 4QE	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	47m N	Crown Telecom	Longley House 110, Longley Lane, Manchester, Greater Manchester, M22 4SY	Radar and Telecommunications Equipment	Industrial Products
B	48m SE	Oak Fields Autos	Unit 5 Harper House, Harper Road, Manchester, Greater Manchester, M22 4RG	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	49m S	The Flava People	Unit 5-6 Flava House Beta Court, Harper Road, Sharston Industrial Area, Manchester, Greater Manchester, M22 4XR	Catering and Non Specific Food Products	Foodstuffs
B	51m E	Siltint Industries Ltd	124, Longley Lane, Manchester, Greater Manchester, M22 4SP	Photographic and Optical Equipment	Consumer Products
B	51m E	Miller Autos	124, Longley Lane, Manchester, Greater Manchester, M22 4SP	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	52m SW	Sunbelt Rentals Ltd	Broadoak Works Harper Road, Wythenshawe, Manchester, Greater Manchester, M22 4RA	Construction and Tool Hire	Hire Services
F	62m NW	Juice Works	Sonex House, Sharston Road, Manchester, Greater Manchester, M22 4RX	Non Alcoholic Drinks	Foodstuffs
B	73m E	Tank	Greater Manchester, M22	Tanks (Generic)	Industrial Features
D	79m S	Hawk Motors	Unit 4 Beta Court, Harper Road, Manchester, Greater Manchester, M22 4RG	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	93m E	Branagan Flooring Ltd	Unit 1 Harper House 124a, Longley Lane, Manchester, Greater Manchester, M22 4SY	Construction Completion Services	Construction Services
F	93m NW	Tanks	Greater Manchester, M22	Tanks (Generic)	Industrial Features
E	93m N	Longworth Ltd	Longworth Leltex House, Longley Lane, Manchester, Greater Manchester, M22 4SY	Workwear	Industrial Products
E	93m N	Hartbrights Sign Solutions	Leltex House, Longley Lane, Manchester, Greater Manchester, M22 4SY	Signs	Industrial Products

ID	Location	Company	Address	Activity	Category
E	104m N	Royle Green Filling Station	106, Longley Lane, Manchester, Greater Manchester, M22 4SY	Petrol and Fuel Stations	Road and Rail
E	114m N	Halfords	106, Longley Lane, Manchester, Greater Manchester, M22 4SY	Vehicle Parts and Accessories	Motoring
1	115m SW	Electricity Sub Station	Greater Manchester, M22	Electrical Features	Infrastructure and Facilities
E	120m NW	B P Car Wash	Longley Lane, Manchester, Greater Manchester, M22 4SY	Vehicle Cleaning Services	Personal, Consumer and Other Services
F	131m NW	Tank	Greater Manchester, M22	Tanks (Generic)	Industrial Features
G	136m SE	Factory	Greater Manchester, M22	Unspecified Works Or Factories	Industrial Features
E	142m N	Asda Royle Green Express Petrol	Longley Lane, Manchester, Greater Manchester, M22 4SY	Petrol and Fuel Stations	Road and Rail
G	165m SE	Howells Railway Products Plc	Longley Lane, Manchester, Greater Manchester, M22 4SS	Special Purpose Machinery and Equipment	Industrial Products
H	173m S	Electricity Sub Station	Greater Manchester, M22	Electrical Features	Infrastructure and Facilities
E	180m NW	Hire Equip N W Ltd	Unit 1 The Oakfield Centre, Longley Lane, Manchester, Greater Manchester, M22 4UX	Construction and Tool Hire	Hire Services
E	180m NW	Halfords Autocentre	The Oakfield Centre, 104, Longley Lane, Manchester, Greater Manchester, M22	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	180m NW	Belly Button Designs	The Oakfield Centre, 104, Longley Lane, Manchester, Greater Manchester, M22	Published Goods	Industrial Products
H	182m S	Tommy Tyres	Castle House, Warsall Road, Manchester, Greater Manchester, M22 4RH	Vehicle Parts and Accessories	Motoring
H	182m S	Atlas Motor Services Ltd	Unit 2, Castle House, Warsall Road, Manchester, Greater Manchester, M22 4RH	Vehicle Repair, Testing and Servicing	Repair and Servicing
H	196m S	Electricity Sub Station	Greater Manchester, M22	Electrical Features	Infrastructure and Facilities
5	200m NE	Electricity Sub Station	Greater Manchester, M22	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
H	205m S	Winston Publishing Limited Within Cardinal Building	Harling Road, Sharston Industrial Area, Manchester, Greater Manchester, M22 4UX	Published Goods	Industrial Products
H	212m S	Kobo	Ketton House, Leestone Road, Manchester, Greater Manchester, M22 4RB	Special Purpose Machinery and Equipment	Industrial Products
6	213m SW	Bollore Logistics	Unit 3 Alpha Point, Bradnor Road, Manchester, Greater Manchester, M22 4TE	Distribution and Haulage	Transport, Storage and Delivery
H	214m S	Electricity Sub Station	Greater Manchester, M22	Electrical Features	Infrastructure and Facilities
7	220m N	Electricity Sub Station	Greater Manchester, M22	Electrical Features	Infrastructure and Facilities
E	224m NW	Northenden Service Station	Unit 11 Wearlee Works, Harling Road, Sharston Industrial Area, Manchester, Greater Manchester, M22 4WT	Vehicle Repair, Testing and Servicing	Repair and Servicing
H	231m S	Interpart UK Ltd	2, Warsall Road, Manchester, Greater Manchester, M22 4RH	Construction Plant	Construction Services
I	246m NW	Vita Liquid Polymers	Harling Road, Manchester, Greater Manchester, M22 4SZ	Adhesives and Sealants	Industrial Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m **1**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 51 >**

ID	Location	Company	Address	LPG	Status
E	112m N	BP	106, Longley Lane, Northendon, Manchester, Greater Manchester, M22 4SY	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m	5

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 51 >**

ID	Location	Details	
A	**On site**	**Operator: AMPIL 2 ASSET LIMITED** **Installation Name: Ampil Electrium Sharston Road Biomass Boiler** **Process: MCP** **Permit Number: WE6081AB** **Original Permit Number: WE6081AB**	**EPR Reference: EPR/WE6081AB** **Issue Date: 28/06/2022** **Effective Date: 28/06/2022** **Last date noted as effective: 29/10/2024** **Status: Effective**
I	271m NW	Operator: VITA LIQUID POLYMERS LIMITED Installation Name: Vita Liquid Polymers - Wythenshawe - EPR/DP3532DM Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: DP3532DM Original Permit Number: DP3532DM	EPR Reference: EPR/DP3532DM Issue Date: 12/09/2018 Effective Date: 12/09/2018 Last date noted as effective: 29/10/2024 Status: Effective
I	271m NW	Operator: Vita Liquid Polymers Limited Installation Name: Vita Liquid Polymers - Wythenshawe - EPR/DP3532DM Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: HP3039QB Original Permit Number: DP3532DM	EPR Reference: - Issue Date: 12/09/2018 Effective Date: 12/09/2018 Last date noted as effective: 21/03/2023 Status: Effective

ID	Location	Details	
K	446m W	Operator: ARLA FOODS UK SERVICES LIMITED Installation Name: Arla Foods Manchester Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC MILK >200T/DAY Permit Number: YP3830BB Original Permit Number: YP3830BB	EPR Reference: EPR/YP3830BB Issue Date: 10/02/2010 Effective Date: 10/02/2010 Last date noted as effective: 29/10/2024 Status: Surrendered
K	446m W	Operator: Arla Foods UK Services Ltd Installation Name: Arla Foods Manchester Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC MILK >200T/DAY Permit Number: YP3830GX Original Permit Number: YP3830BB	EPR Reference: - Issue Date: - Effective Date: 10/02/2010 Last date noted as effective: 21/03/2023 Status: Surrender Effective

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m **13**

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 51 >**

ID	Location	Address	Details	
A	**On site**	**Electrium Sales Ltd, Harper Road, Sharton, Wythenshawe, M22 4RA**	**Process: Coating Processes** **Status: Current Permit** **Permit Type: Part B**	**Enforcement: No Enforcement Notified** **Date of enforcement: No Enforcement Notified** **Comment: No Enforcement Notified**
C	30m SW	Wylex Ltd, Sharston Road, Wythenshawe, M22 4RA	Process: Combustion & Incineration Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	133m N	Royle Green Service Station, Longley Lane, Northenden M22 4SY	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

ID	Location	Address	Details	
3	146m S	Breedon Southern LTD, The Railway Sidings, off Leestone Road (Shentonfield Road), Sharston Industrial Estate, M22 4RT	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
4	192m SW	Blue Circle Industries, Shentonfield Rd, M22 4RT	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
H	203m S	Lafarge Aggregates Limited, The Railway Sidings, Sharston Industrial Estate, M22 4RT	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	225m NW	Vita Liquid Polymers Ltd, Harling Road, Sharston Industrial Estate, Wythenshawe, Manchester, M22 4SZ	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
9	296m SE	Bellcharm Motor Company Ltd, Accident Repair Centre, Leestone Road, M22 4RB	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
10	312m W	Walls Developments, Paston Road, Sharston Industrial Estate, M22 4TF	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
11	327m SW	Aggregate Industries UK Limited, Paston Road, Wythenshawe, Manchester, M22 4TF	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
13	367m E	Wylex Sharston Rd, M22 4RS	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
14	413m SE	Green Brothers Ltd, Shentonfield Road, Sharton Industrial Estate, M22 4TJ	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

ID	Location	Address	Details	
16	478m SW	RegaLead Limited, Columbus House, Altrincham Road, Sharston, M22 9AF	Process: Non-ferrous Metal Foundry Processes Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m	0

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m	7

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 51 >**

ID	Location	Details	
2	120m S	Incident Date: 01/07/2010 Incident Identification: 796800 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
8	276m S	Incident Date: 26/10/2001 Incident Identification: 39221 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	310m W	Incident Date: 22/05/2001 Incident Identification: 6231 Pollutant: Other Pollutant:Pollutant Not Identified Pollutant Description: Other:Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	310m W	Incident Date: 22/05/2001 Incident Identification: 6231 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
J	310m W	Incident Date: 22/05/2001 Incident Identification: 6231 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
12	355m S	Incident Date: 28/06/2001 Incident Identification: 12100 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
15	418m SE	Incident Date: 17/07/2003 Incident Identification: 174583 Pollutant: Specific Waste Materials Pollutant Description: Inorganic Chemical Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m	0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

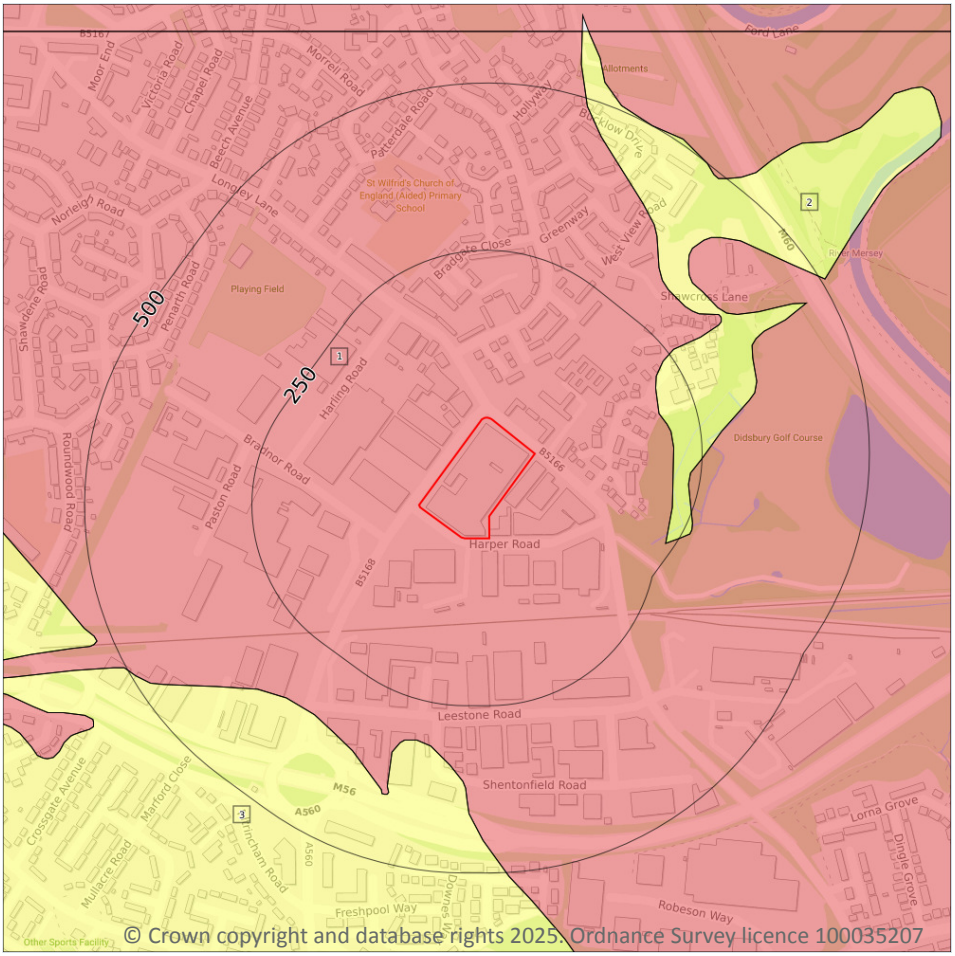
4.21 Pollution inventory radioactive waste

Records within 500m	0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	3

Aquifer status of groundwater held within superficial geology.

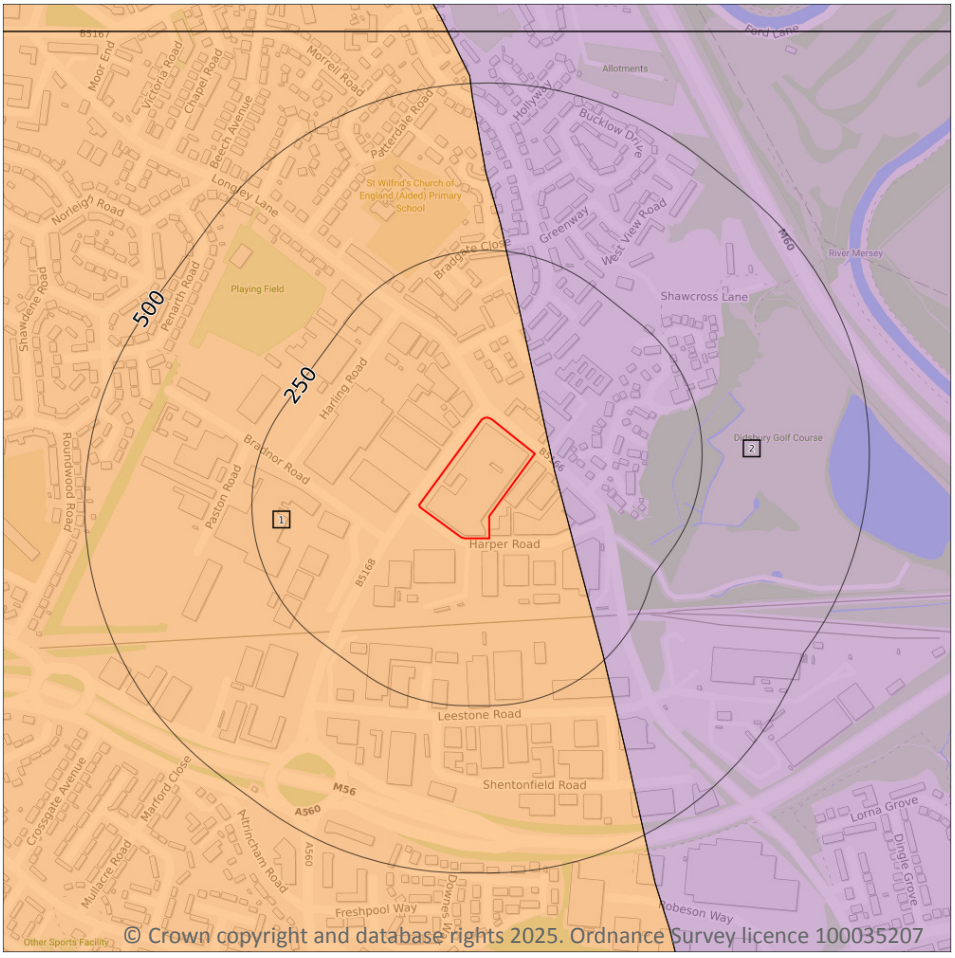
Features are displayed on the Hydrogeology map on **page 62 >**

ID	Location	Designation	Description
1	**On site**	**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. These are generally aquifers formerly classified as minor aquifers**
2	195m E	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	310m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	2

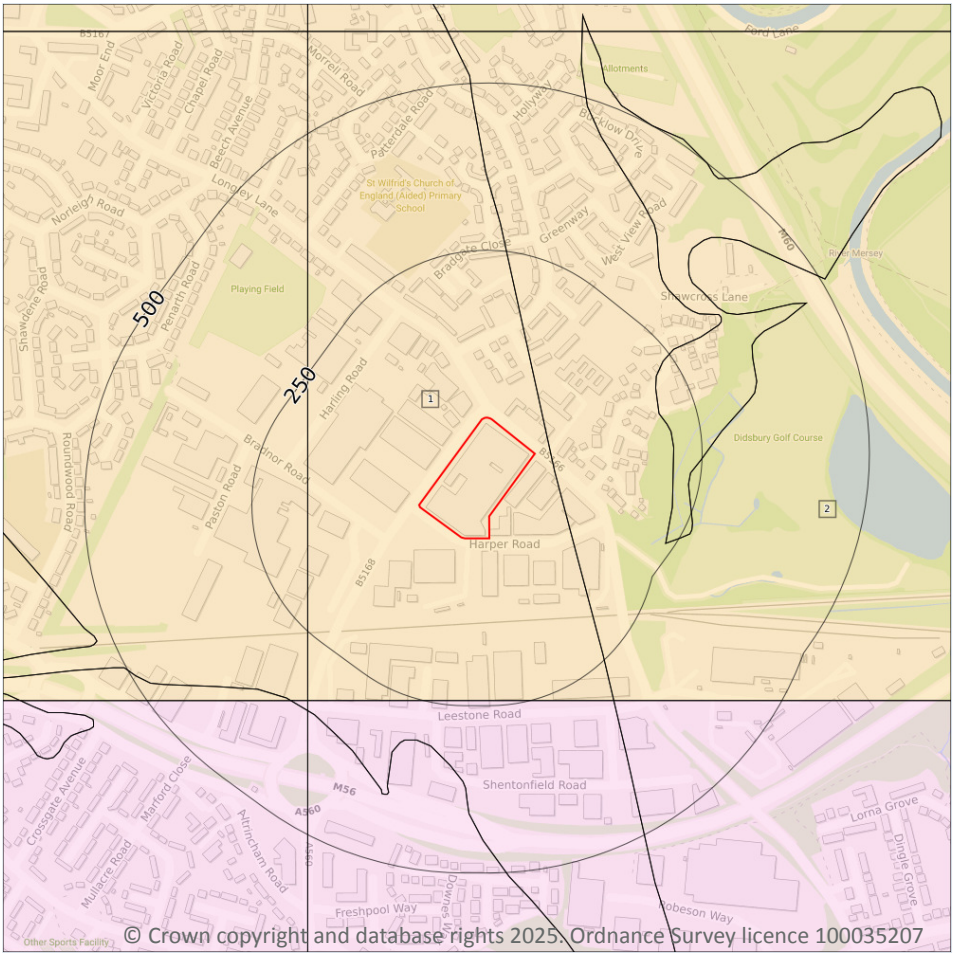
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 64 >**

ID	Location	Designation	Description
1	**On site**	**Secondary B**	**Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers**
2	23m E	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	2

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 66 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High**	**Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	23m E	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**0**

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

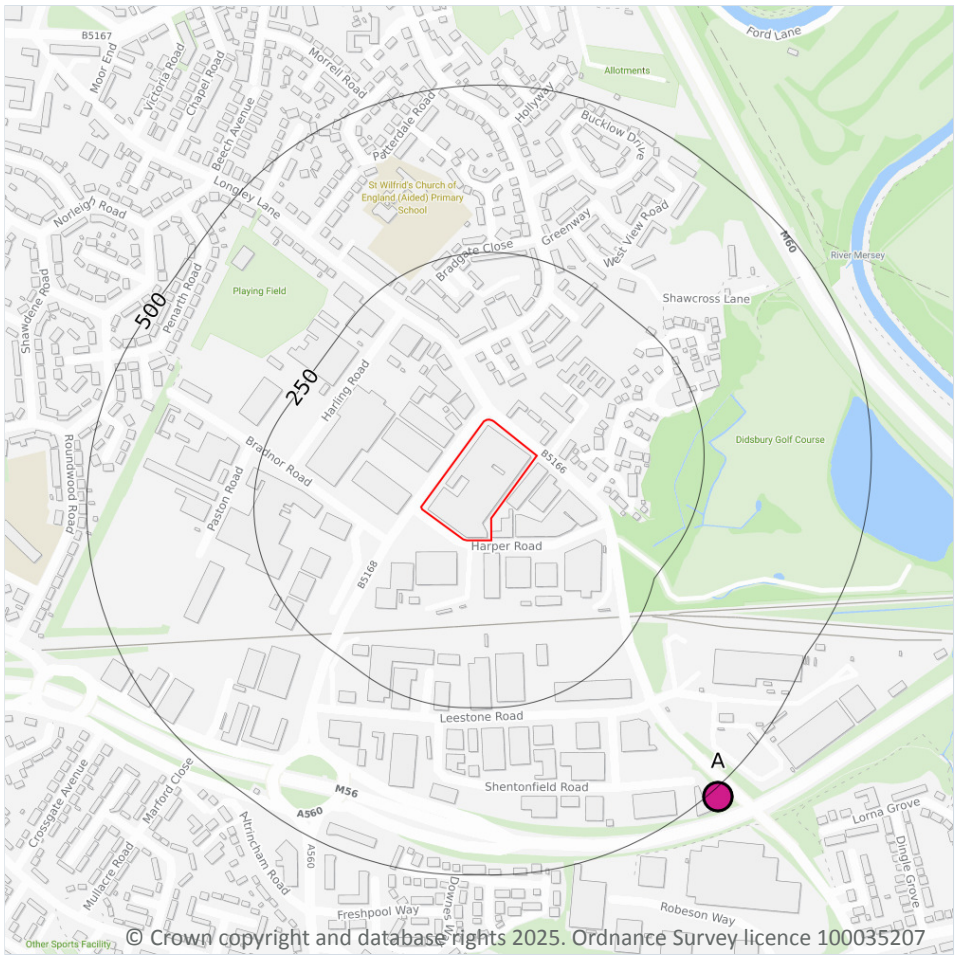
5.5 Groundwater vulnerability- local information

Records on site	**0**

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



© Crown copyright and database rights 2025. Ordnance Survey licence 100035207

- Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	7

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 68 >**

ID	Location	Details	
A	511m SE	Status: Historical Licence No: 2569014037 Details: Laundry Use Direct Source: Ground Water - North West Region Point: "UNDERGROUND STRATA: BOREHOLE AT SHARSTON, MANCHESTER" Data Type: Point Name: MR KHALID SALEEM Easting: 383610 Northing: 388860	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 15/11/2002 Expiry Date: 31-Mar-18 Issue No: 1 Version Start Date: 15/11/2002 Version End Date: -
A	511m SE	Status: Historical Licence No: 2569014037 Details: Laundry Use Direct Source: Ground Water - North West Region Point: UNDERGROUND STRATA: BOREHOLE AT SHARSTON, MANCHESTER Data Type: Point Name: MR KHALID SALEEM Easting: 383610 Northing: 388860	Annual Volume (m^3): 20975 Max Daily Volume (m^3): 80.67 Original Application No: - Original Start Date: 15/11/2002 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 15/11/2002 Version End Date: -
-	1248m NE	Status: Active Licence No: 2569015006 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT DIDSBURY GOLF CLUB NORTHENDEN WYTHENSHAWE Data Type: Point Name: DIDSBURY GOLF CLUB LTD Easting: 383950 Northing: 390470	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 68.19 Original Application No: 1053 Original Start Date: 22/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1248m NE	Status: Historical Licence No: 2569015006 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DIDSBURY GOLF CLUB, NORTHENDEN, WYTHENSHAWE," Data Type: Point Name: DIDSBURY GOLF CLUB LTD Easting: 383950 Northing: 390470	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/12/1992 Version End Date: -

ID	Location	Details	
-	1248m NE	Status: Historical Licence No: 2569015006 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT DIDSBURY GOLF CLUB, NORTHENDEN, WYTHENSHAWE Data Type: Point Name: DIDSBURY GOLF CLUB LTD Easting: 383950 Northing: 390470	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 22/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/12/1992 Version End Date: -
-	1252m SE	Status: Historical Licence No: 2569014022 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: "WELL AT PREMISES, GATLEY, CHESHIRE" Data Type: Point Name: JEFFERIES Easting: 384400 Northing: 388700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 03/09/1974 Expiry Date: - Issue No: 101 Version Start Date: 31/01/1997 Version End Date: -
-	1252m SE	Status: Historical Licence No: 2569014022 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: WELL AT PREMISES, GATLEY, CHESHIRE Data Type: Point Name: JEFFERIES Easting: 384400 Northing: 388700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 03/09/1974 Expiry Date: - Issue No: 101 Version Start Date: 31/01/1997 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m	**2**

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 68 >**

ID	Location	Details	
-	1712m N	Status: Historical Licence No: 2569015016 Details: Dust suppression Direct Source: Surface, Non-Tidal - North West Region Point: RIVER MERSEY AT TRAFFORD, MANCHESTER Data Type: Point Name: AMEC / ALFRED MCALPINE JV Easting: 382650 Northing: 391020	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/11/2003 Expiry Date: 31/12/2006 Issue No: 1 Version Start Date: 28/11/2003 Version End Date: -
-	1712m N	Status: Historical Licence No: 2569015016 Details: General Washing/Process Washing Direct Source: Surface, Non-Tidal - North West Region Point: RIVER MERSEY AT TRAFFORD, MANCHESTER Data Type: Point Name: AMEC / ALFRED MCALPINE JV Easting: 382650 Northing: 391020	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/11/2003 Expiry Date: 31/12/2006 Issue No: 1 Version Start Date: 28/11/2003 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m	0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

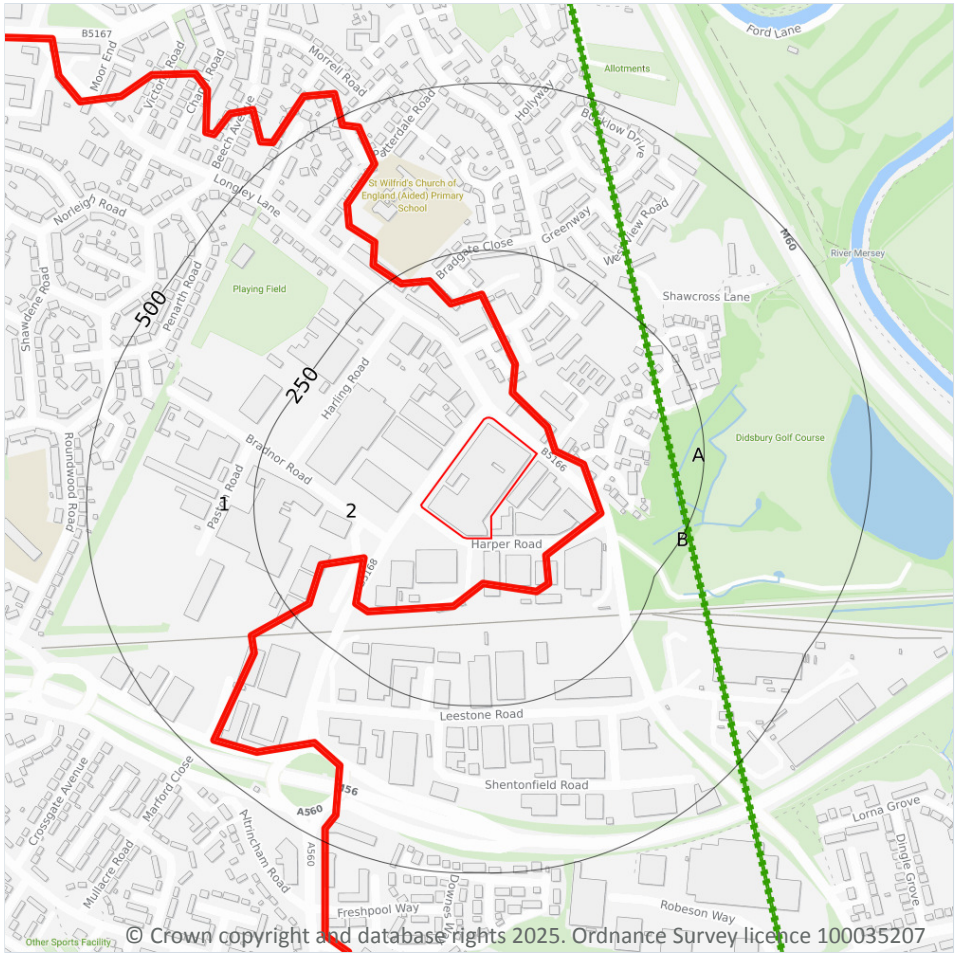
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m	3

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 72 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	211m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
B	221m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	236m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**1**

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 72 >**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	**1**

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 72 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Sinderland Brook (Fairywell Bk and Baguley Bk)**	**GB112069061270**	**Bollin Dean Mersey Upper**	**Mersey Upper**

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 72 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1031m W	River	Sinderland Brook (Fairywell Bk and Baguley Bk)	GB112069061270 ↗	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 72 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	**On site**	**Weaver and Dane Quaternary Sand and Gravel Aquifers**	**GB41202G991700 ↗**	**Poor**	**Poor**	**Good**	**2019**

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m	1

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on **page 75 >**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	192m E	Didsbury	2021-01-20 2021-01-20	Main river	Other	Fluvial

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m	0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m	0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

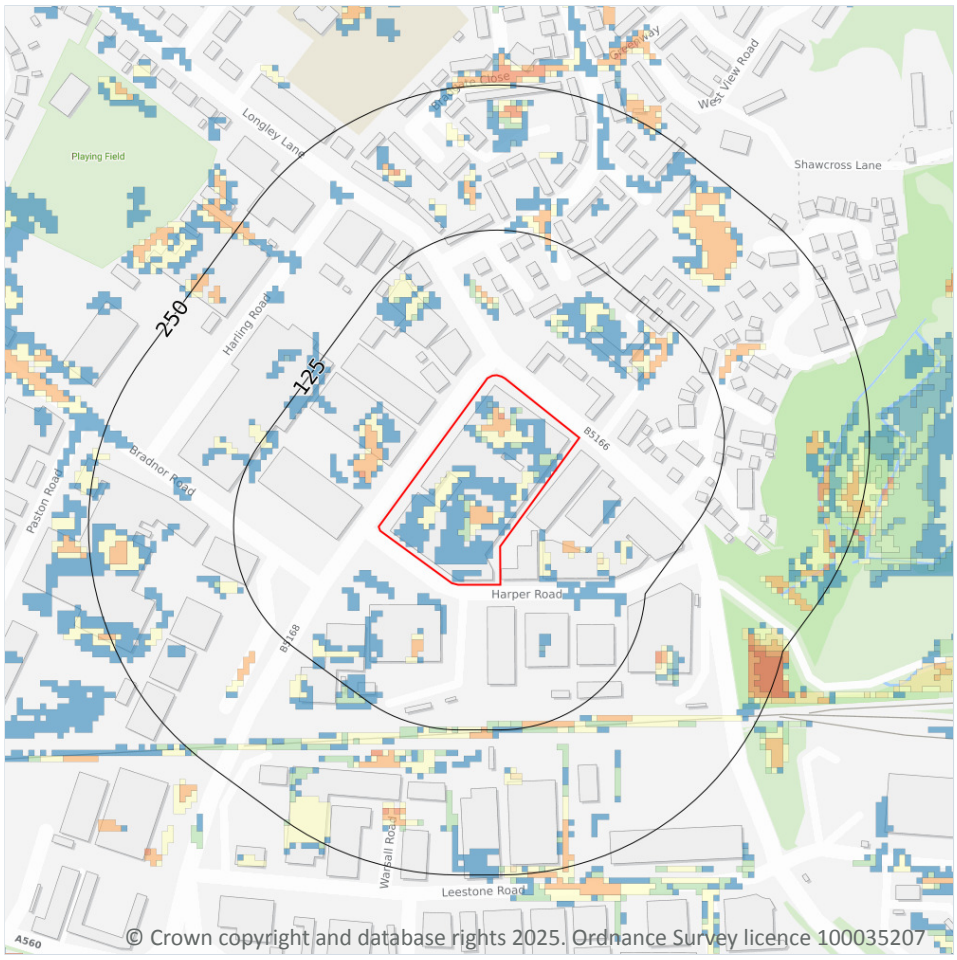
7.7 Flood Zone 3

Records within 50m	0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

8 Surface water flooding



Site Outline
Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 78 >**

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

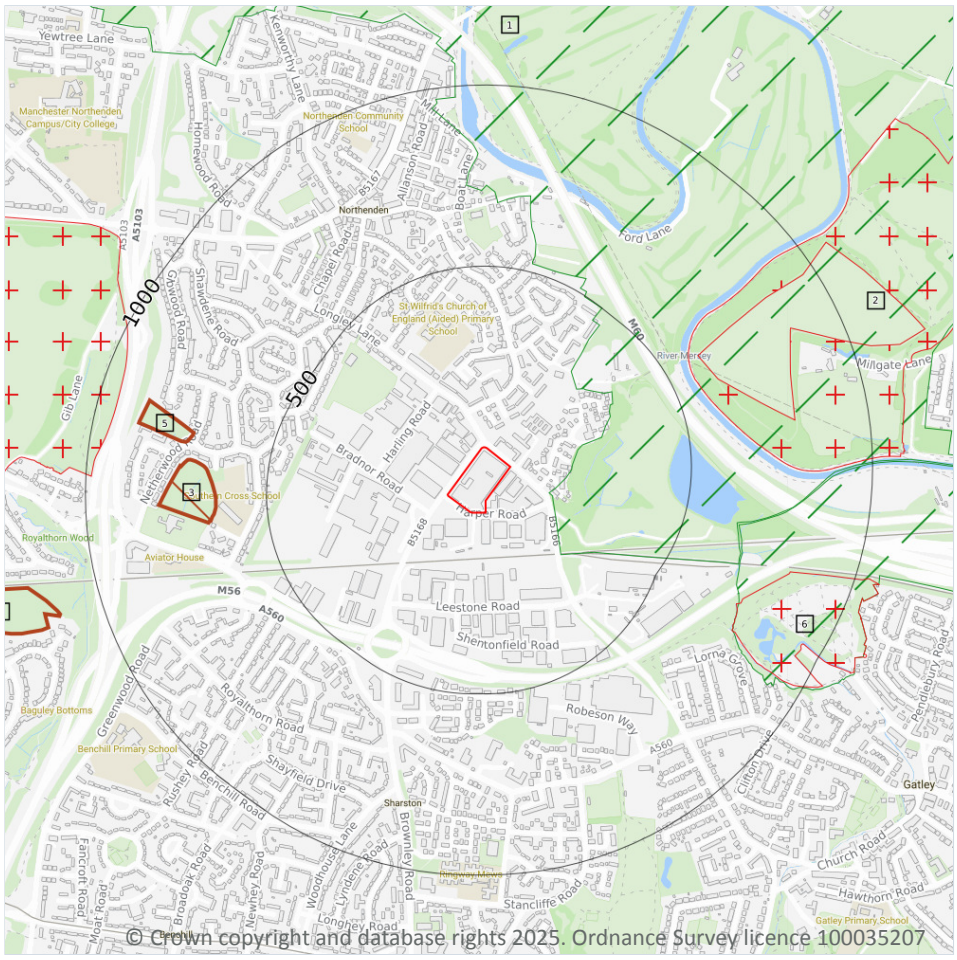
Highest risk on site	**Moderate**
Highest risk within 50m	**Moderate**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 80 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Local Nature Reserves (LNR)

Designated Ancient Woodland

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m	0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m	0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m	3

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on **page 81 >**

ID	Location	Name	Data source
2	564m NE	Stenner Woods and Milgate Fields, Didsbury	Natural England
6	730m SE	Gatley Carrs	Natural England
7	947m W	Wythenshawe Park	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m	3

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 81 >**

ID	Location	Name	Woodland Type
3	640m W	Round's Wood	Ancient & Semi-Natural Woodland
5	721m W	Black Field Wood	Ancient & Semi-Natural Woodland
8	1119m W	Black Carr Wood	Ancient & Semi-Natural Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m	0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m	0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m	4

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on **page 81 >**

ID	Location	Name	Local Authority name
1	129m E	Merseyside and Greater Manchester Green Belt	Manchester
4	651m E	Merseyside and Greater Manchester Green Belt	Stockport
-	1548m S	Merseyside and Greater Manchester Green Belt	Manchester
-	1724m SE	Merseyside and Greater Manchester Green Belt	Stockport

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m	0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

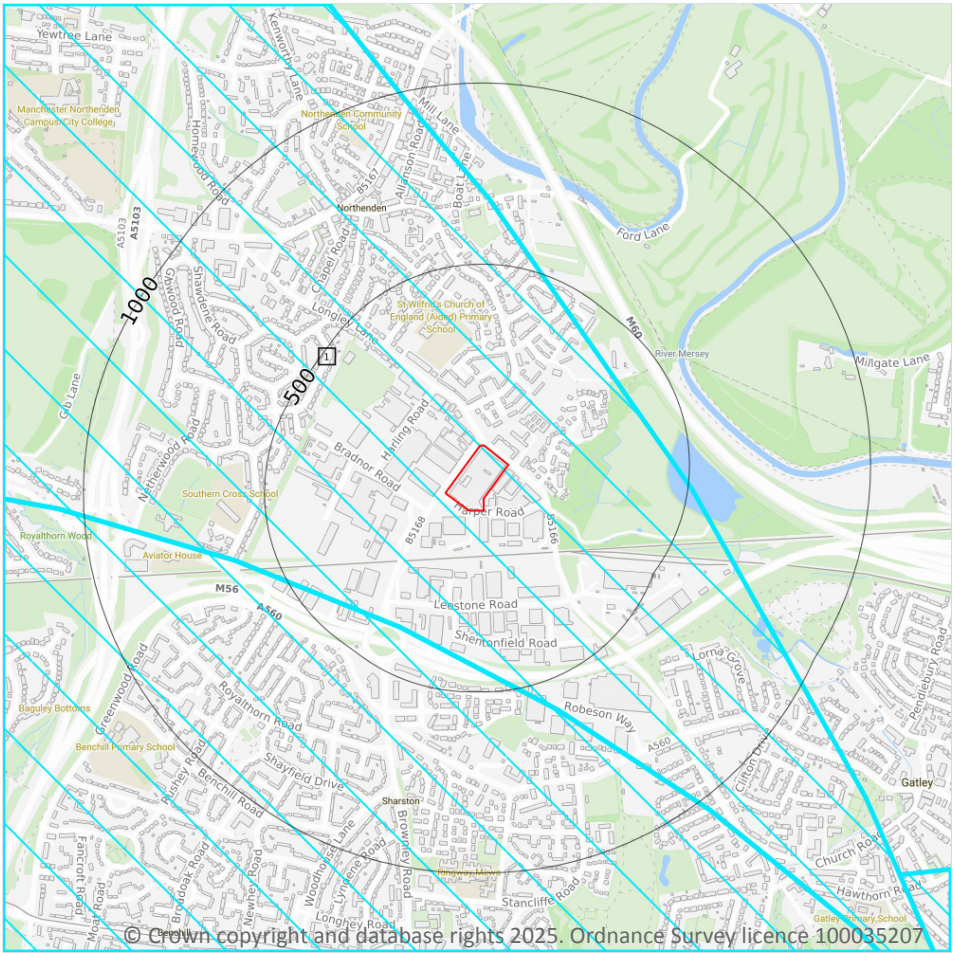
10.16 Nitrate Vulnerable Zones

Records within 2000m	0

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 86 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Oil & gas exploration/extraction. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m². Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**0**

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

This data is sourced from Natural England and Natural Resources Wales.

11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m	0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m	0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m	2

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on **page 88 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	152m W	Wythenshawe Bus Depot	II*	1389256	13/07/2001
2	231m NE	Rose Hill	II*	1291365	11/04/1991

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m	0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m	0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

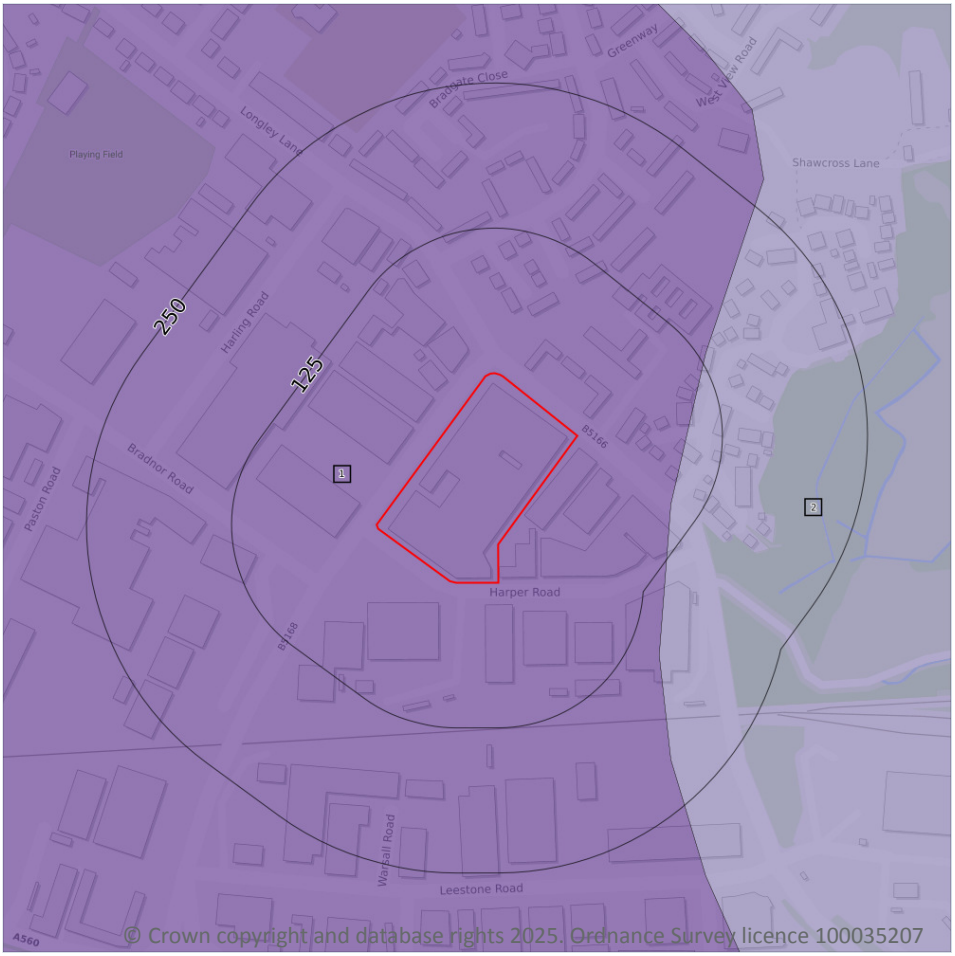
11.7 Registered Parks and Gardens

Records within 250m	0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	2

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 91 >**

ID	Location	Classification	Description
1	**On site**	**Urban**	**Non-agricultural/no quality assigned**
2	92m E	Non Agricultural	Non-agricultural/no quality assigned

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m	0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.

13 Habitat designations



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks

Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	10

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 93 >**

ID	Location	Main Habitat	Other habitats
1	131m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	146m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	173m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	180m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
4	219m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	225m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	226m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	237m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	239m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	249m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	**0**

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	**0**

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

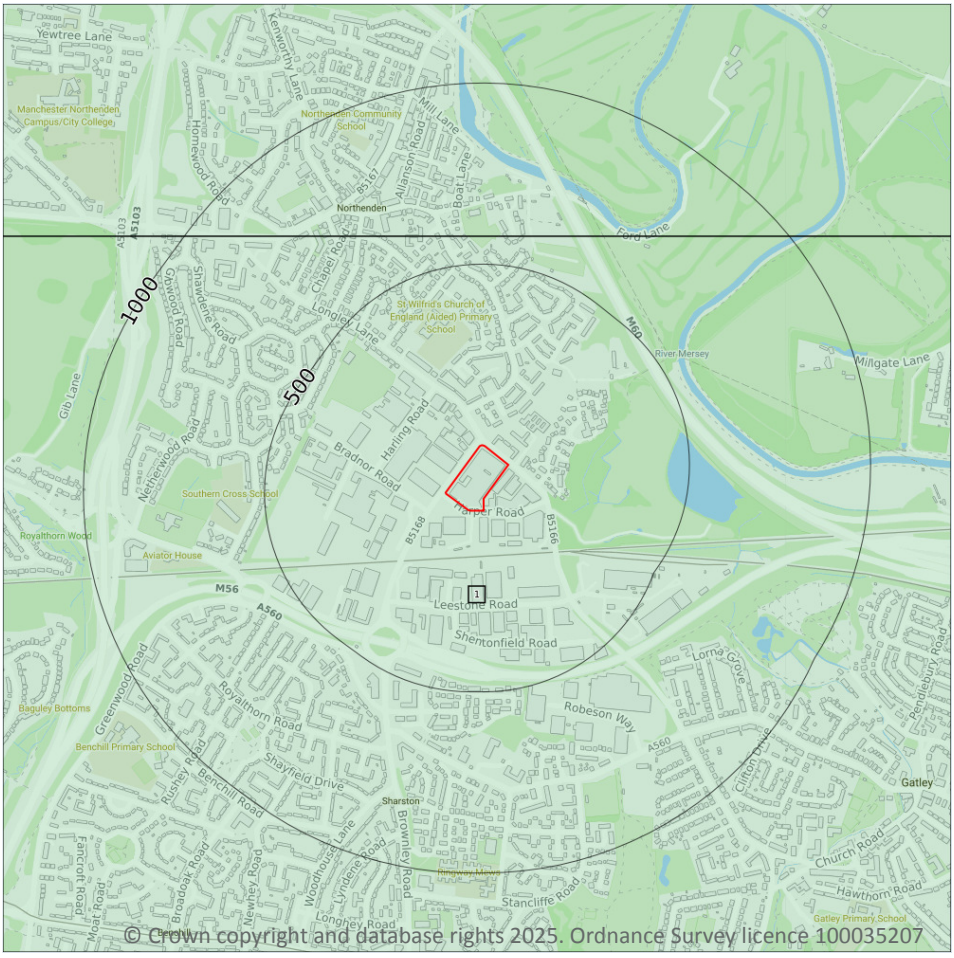
13.4 Limestone Pavement Orders

Records within 250m	**0**

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 95 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**No coverage**	**SJ88NW**

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground

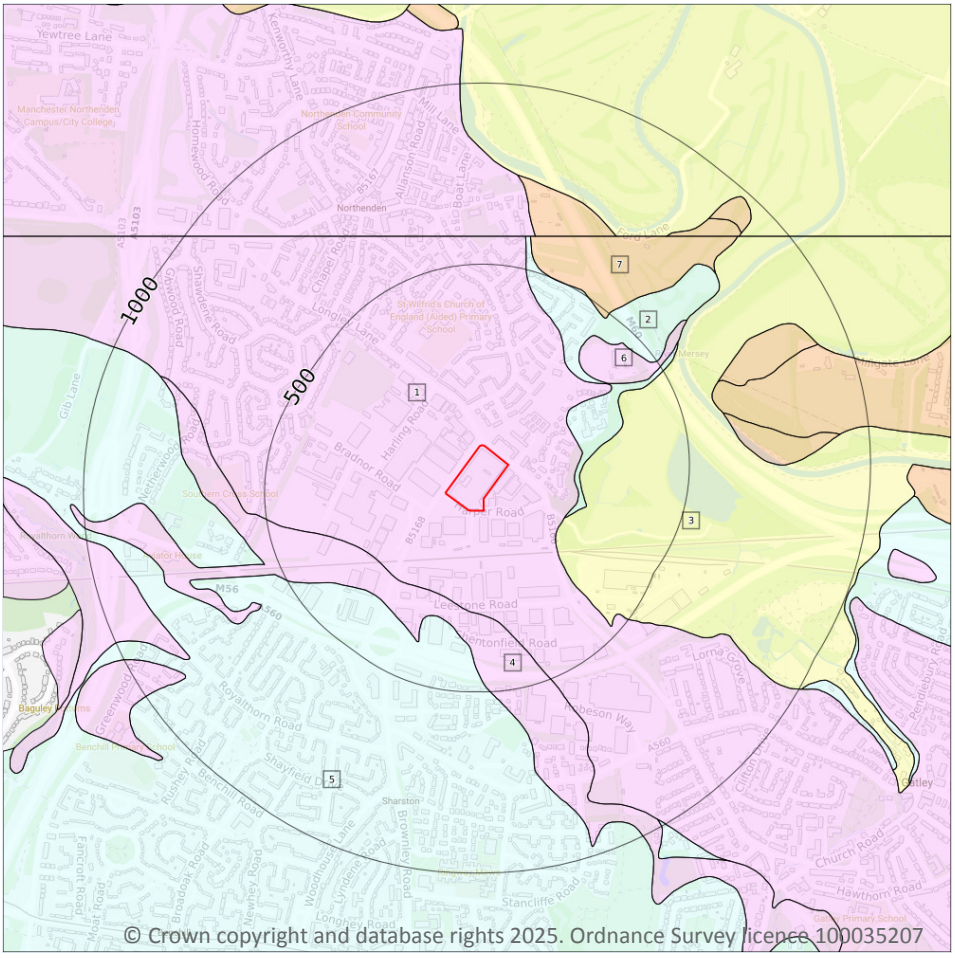
14.2 Artificial and made ground (10k)

Records within 500m	0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m **7**

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 97 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**GFSDD-XSV**	**Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel**	**Sand And Gravel**
2	186m E	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
3	199m E	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
4	245m S	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel

ID	Location	LEX Code	Description	Rock description
5	305m S	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
6	332m NE	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
7	483m NE	RTD2-XSV	River Terrace Deposits, 2 - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

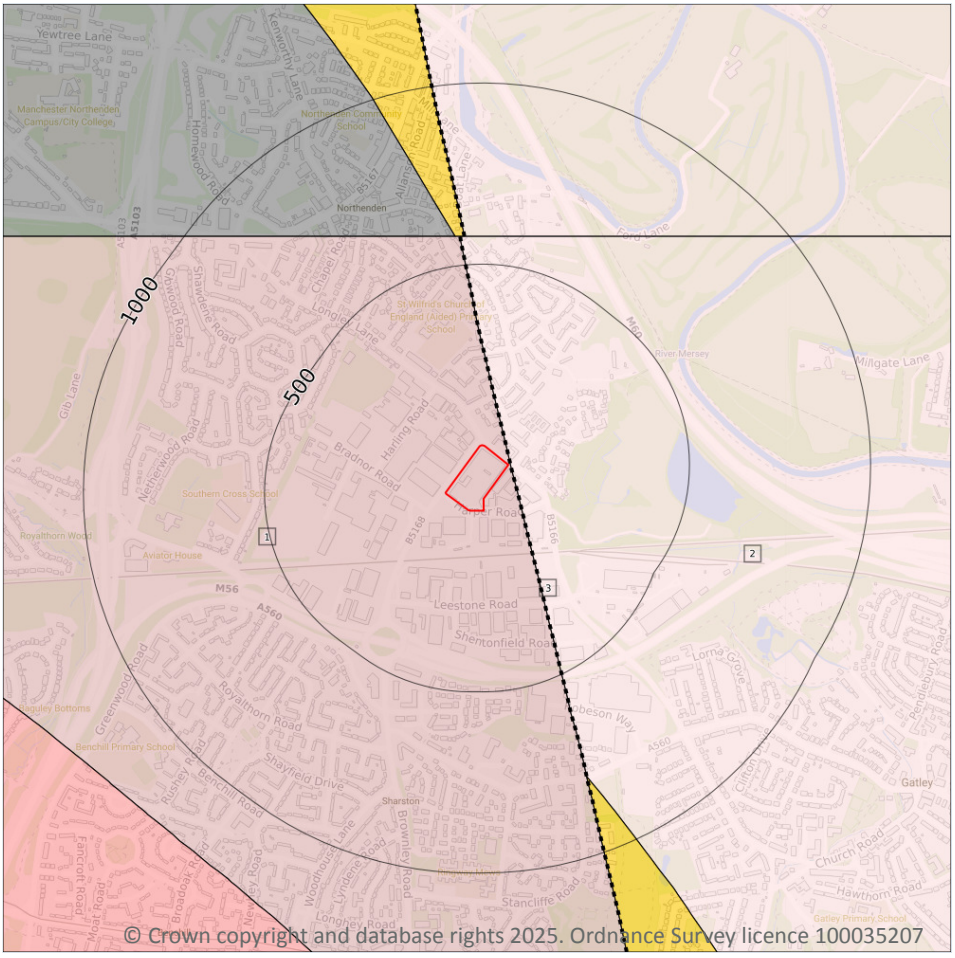
14.4 Landslip (10k)

Records within 500m	**0**

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m	2

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 99 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**TPSF-SISD**	**Tarporley Siltstone Formation - Siltstone And Sandstone**	**Anisian Age - Olenekian Age**
2	6m NE	WLSF-SDST	Wilmslow Sandstone Formation - Sandstone	Early Triassic Epoch

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	1

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 99 >**

ID	Location	Category	Description
3	6m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 101 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW098_stockport_v4**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground

15.2 Artificial and made ground (50k)

Records within 500m	0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

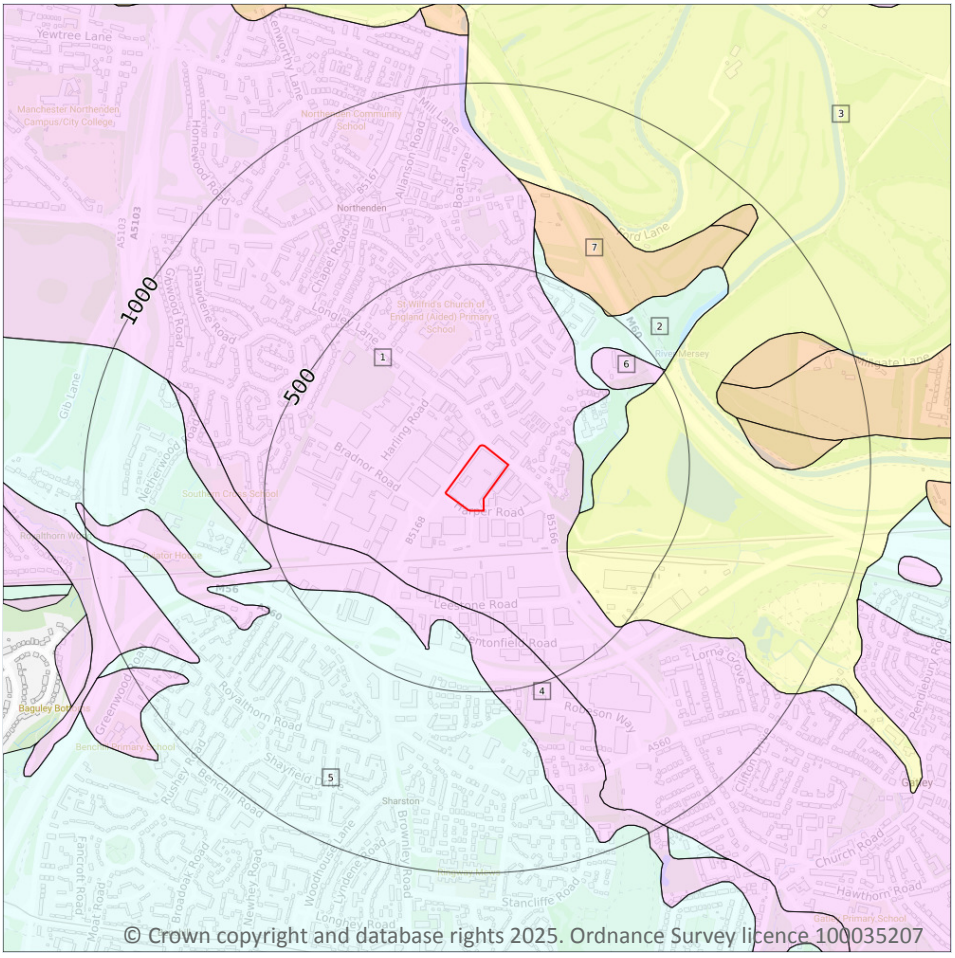
15.3 Artificial ground permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m **7**

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 103 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**GFSDD-XSV**	**GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN**	**SAND AND GRAVEL**
2	195m E	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
3	234m E	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
4	251m S	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
5	310m S	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
6	347m NE	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
7	493m NE	RTDU-XSV	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	**1**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**Very High**	**High**

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	**0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

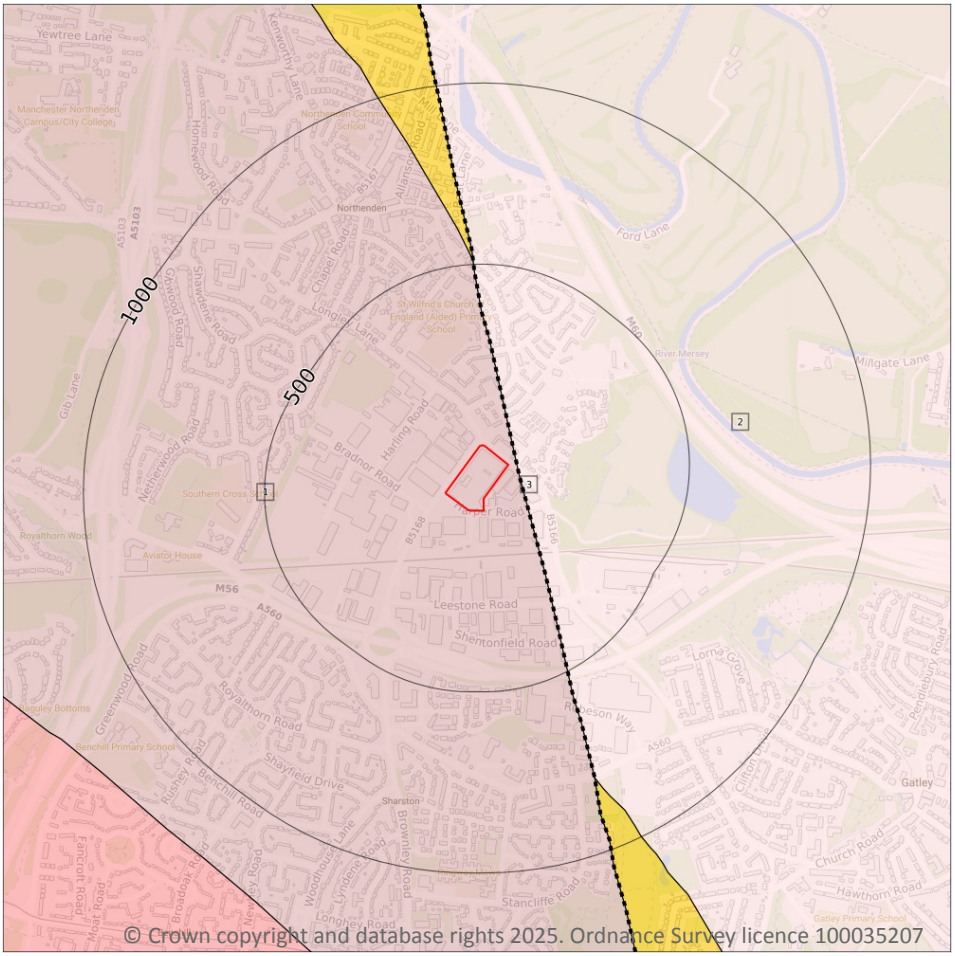
15.7 Landslip permeability (50k)

Records within 50m	**0**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m	2

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 105 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**TPSF-SIMS**	**TARPORLEY SILTSTONE FORMATION - SILTSTONE, MUDSTONE AND SANDSTONE**	**OLENEKIAN**
2	23m E	WLSF-SDST	WILMSLOW SANDSTONE FORMATION - SANDSTONE	-

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	2

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Moderate**	**Low**
23m E	Intergranular	High	High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	1

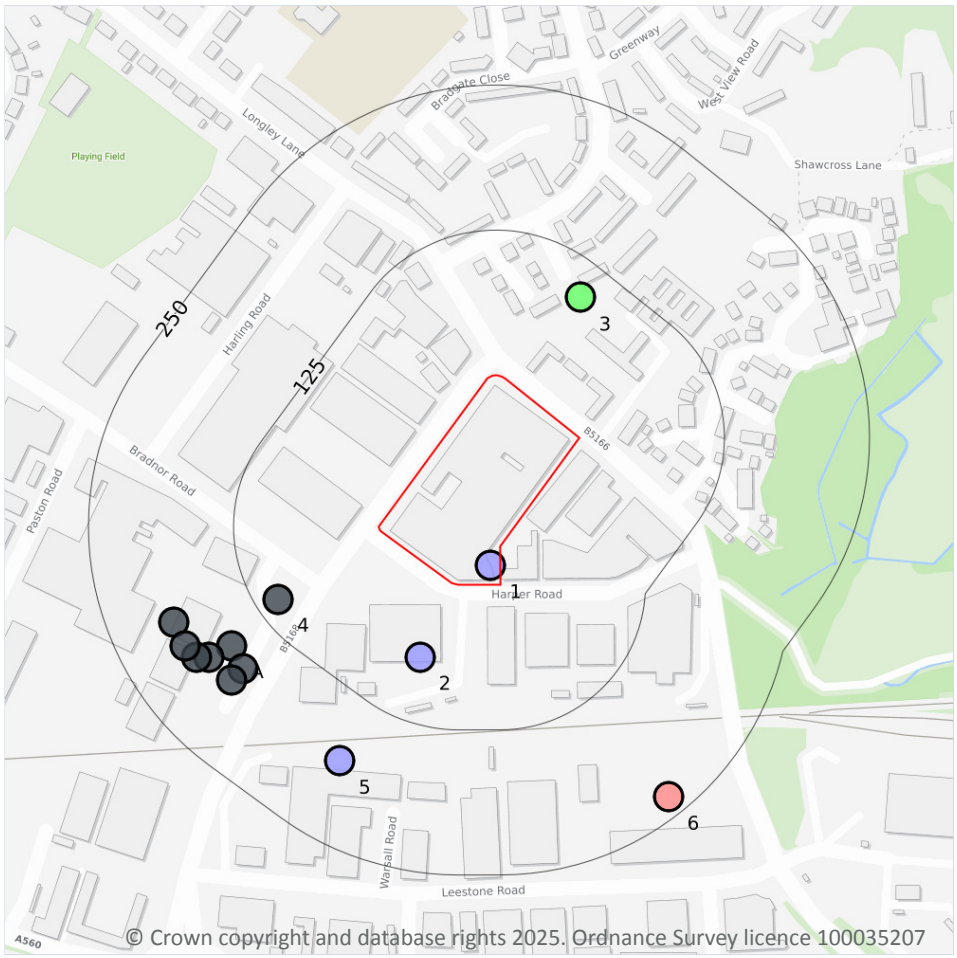
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 105 >**

ID	Location	Category	Description
3	23m E	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m	13

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

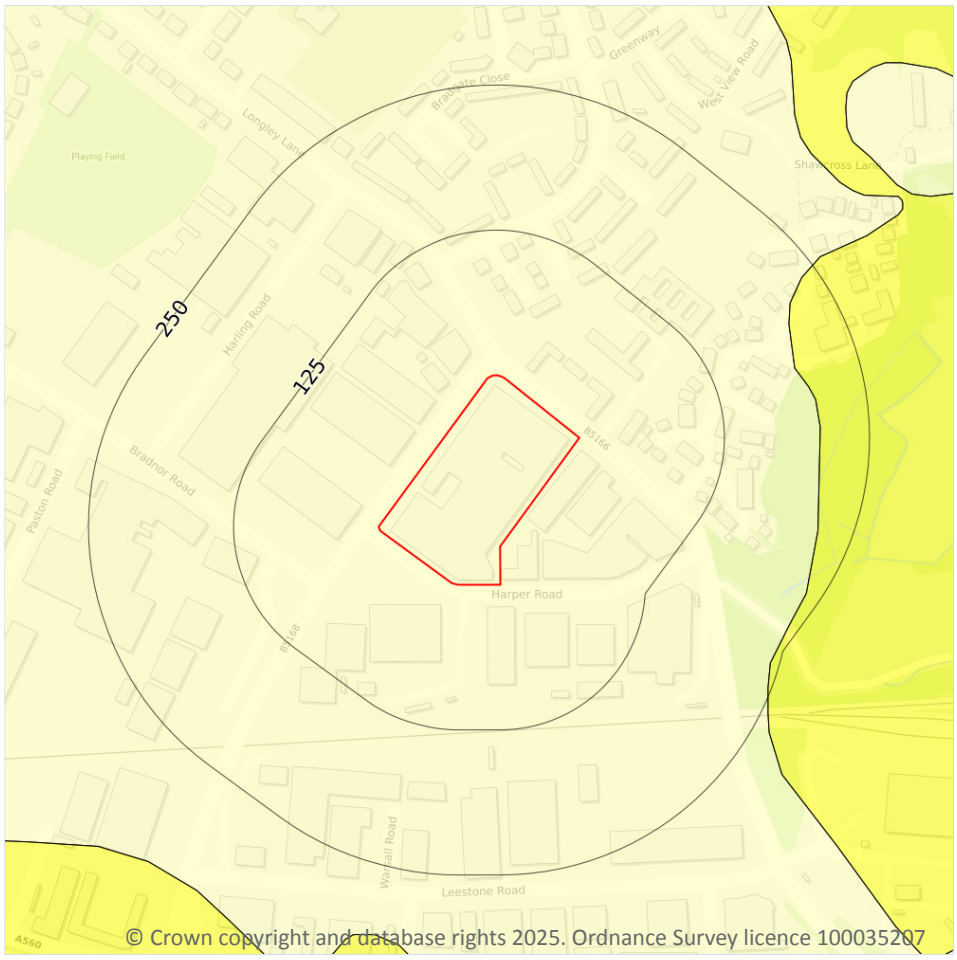
Features are displayed on the Boreholes map on **page 107 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	**On site**	**383263 389259**	**SHARSTON BYPASS. 132**	**8.84**	**N**	**914831** ↗
2	70m S	383202 389180	SHARSTON BYPASS. 131	8.53	N	914830 ↗
3	95m NE	383340 389490	SALE EASTERN/NORTHENDEN. 51	14.94	N	914719 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	106m SW	383080 389230	MANOR BAKERIES SITE SHARSTON TP 4	-	Y	N/A
A	162m SW	383040 389190	MANOR BAKERIES SITE SHARSTON TP 3	-	Y	N/A
A	167m SW	383050 389170	MANOR BAKERIES SITE SHARSTON TP 2	-	Y	N/A
5	181m SW	383133 389091	SHARSTON BYPASS. 130	9.14	N	914829 ↗
A	182m SW	383040 389160	MANOR BAKERIES SITE SHARSTON TP 1	-	Y	N/A
A	184m SW	383020 389180	MANOR BAKERIES SITE SHARSTON TP 5	-	Y	N/A
A	192m SW	383010 389180	MANOR BAKERIES SITE SHARSTON TP 6	-	Y	N/A
A	195m SW	382990 389210	MANOR BAKERIES SITE SHARSTON TP 8	-	Y	N/A
A	195m SW	383000 389190	MANOR BAKERIES SITE SHARSTON TP 7	-	Y	N/A
6	233m SE	383416 389060	M/C CORPORATION LONGLEY LANE	92.05	N	914672 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.1 Shrink swell clays

Records within 50m	1

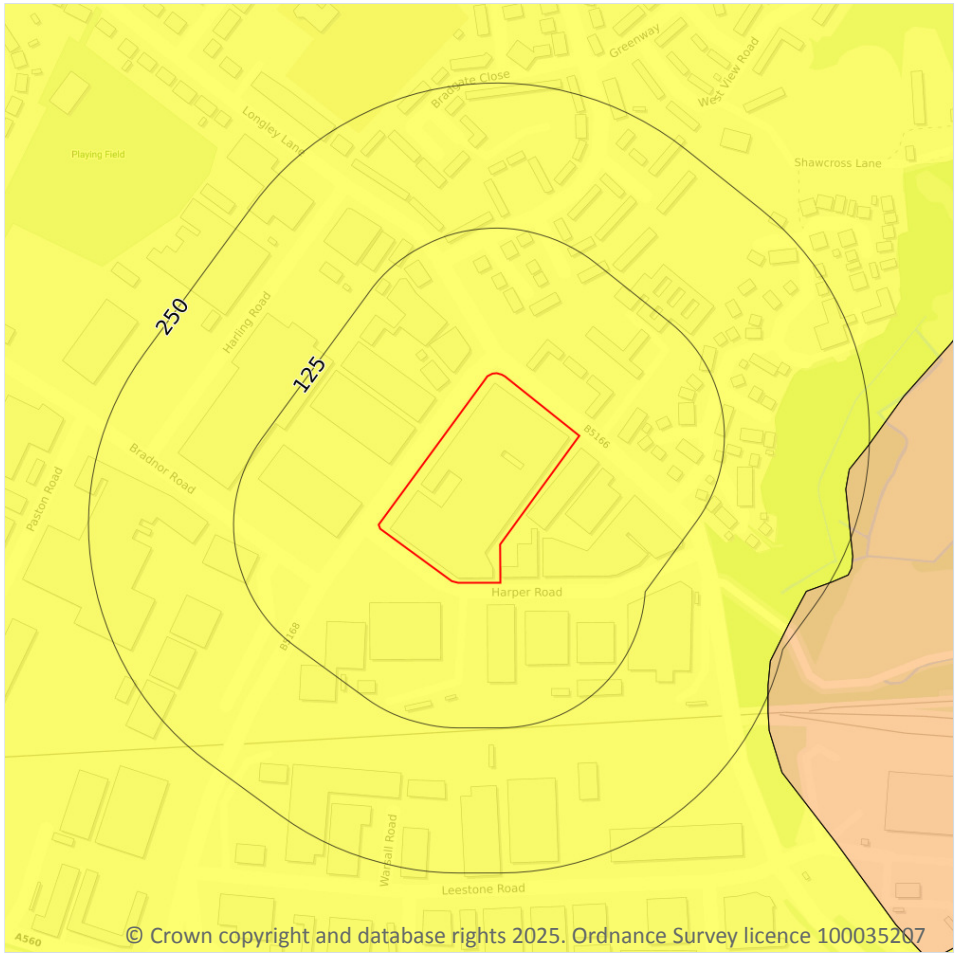
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 109 >**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m	1

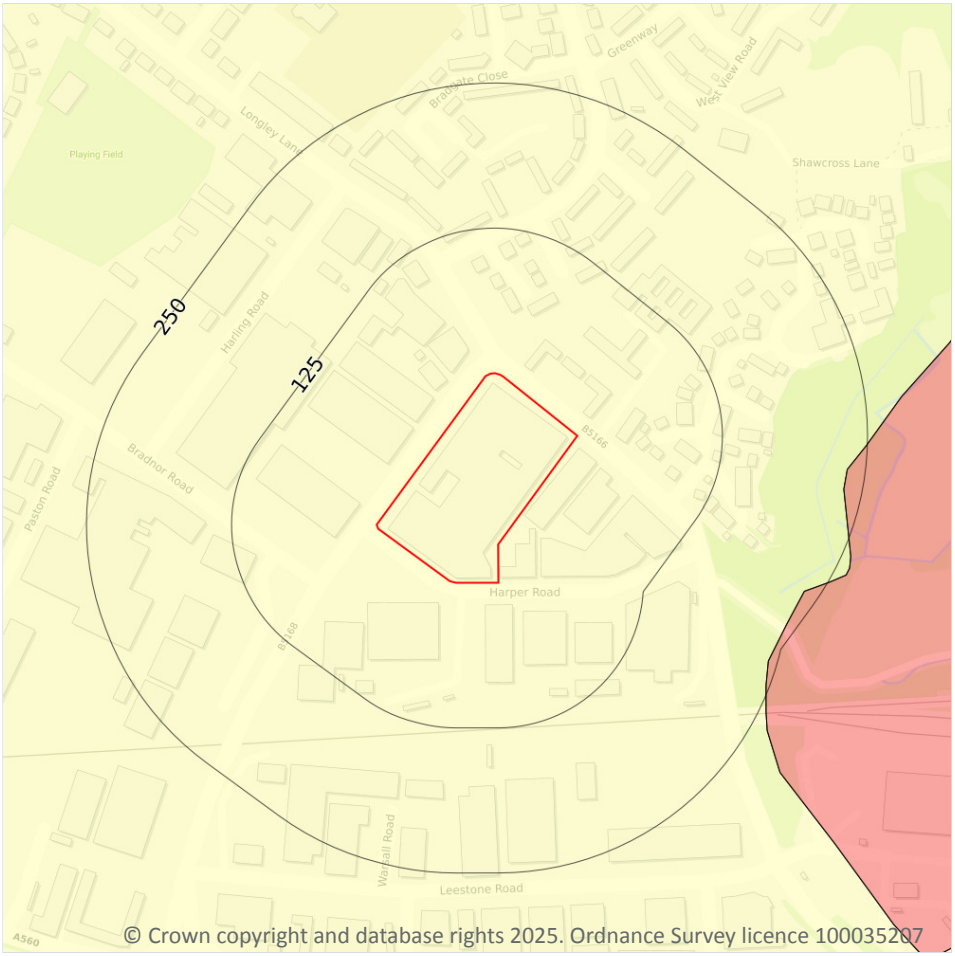
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 110 >**

Location	Hazard rating	Details
On site	**Very low**	**Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m	1

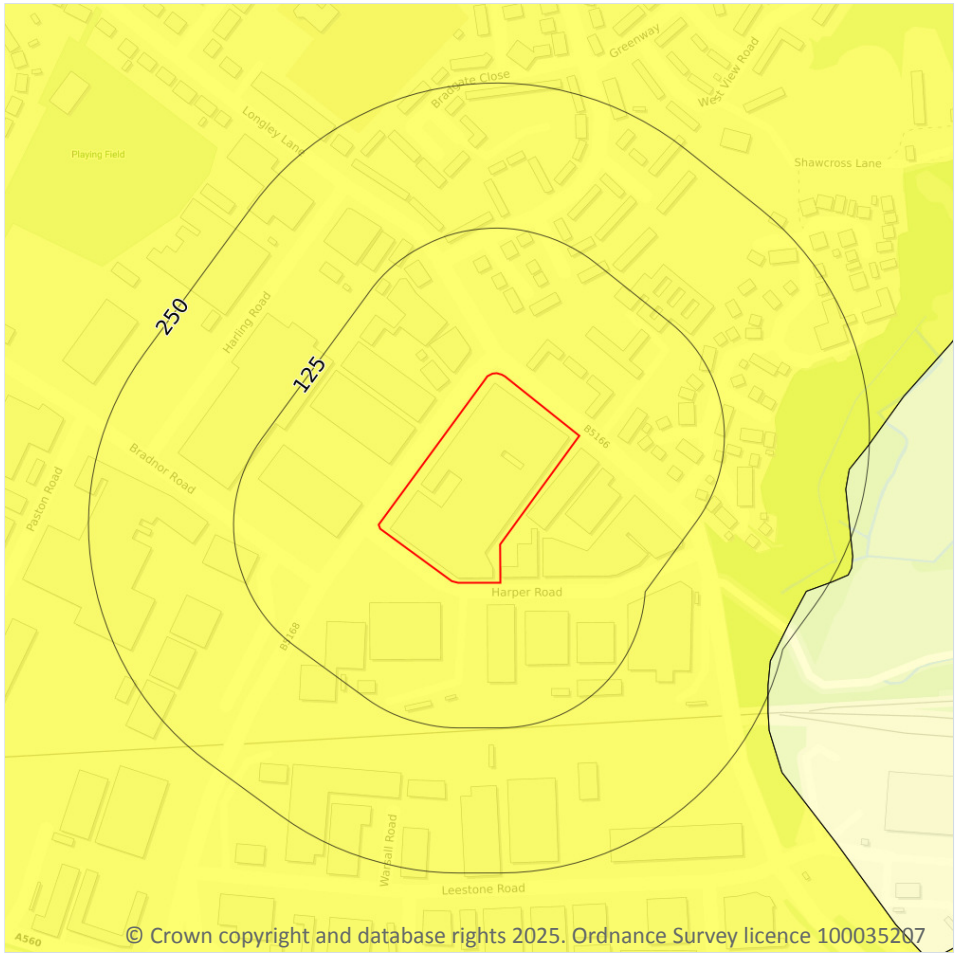
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 111 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m	1

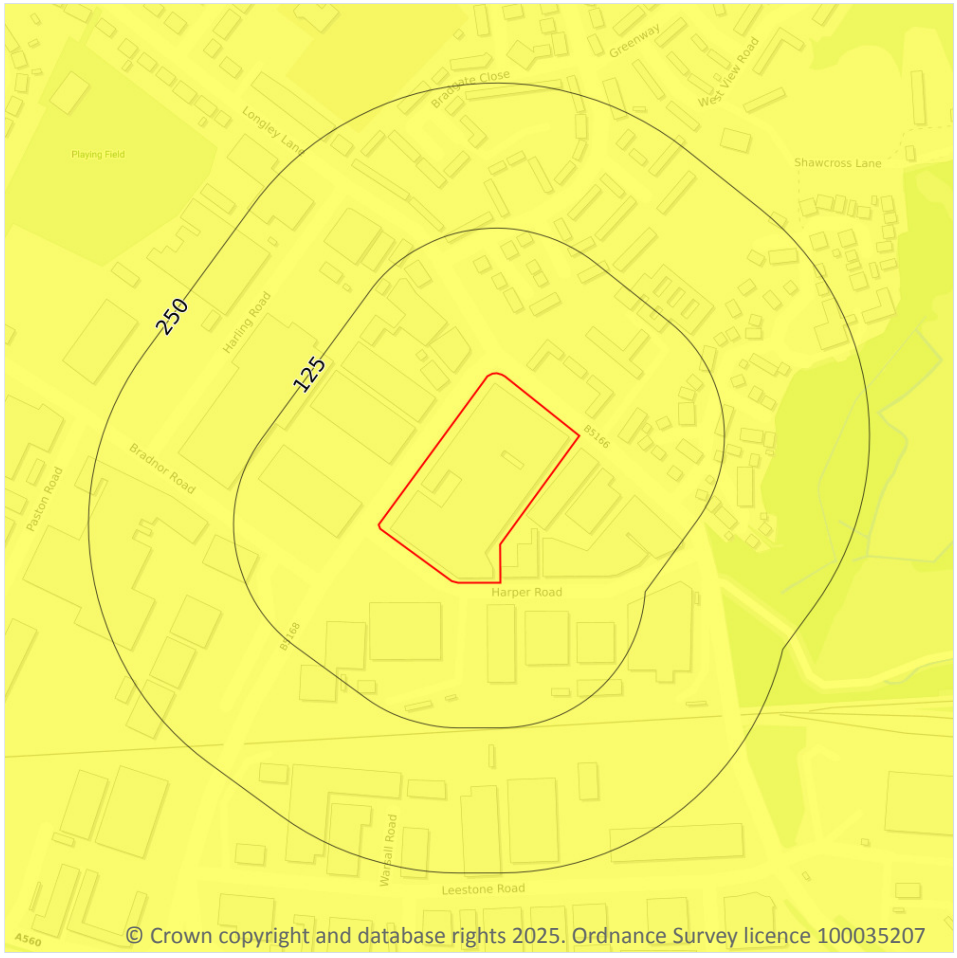
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 112 >**

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m	1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 113 >**

Location	Hazard rating	Details
On site	**Very low**	**Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



© Crown copyright and database rights 2025. Ordnance Survey licence 100035207

Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m	1

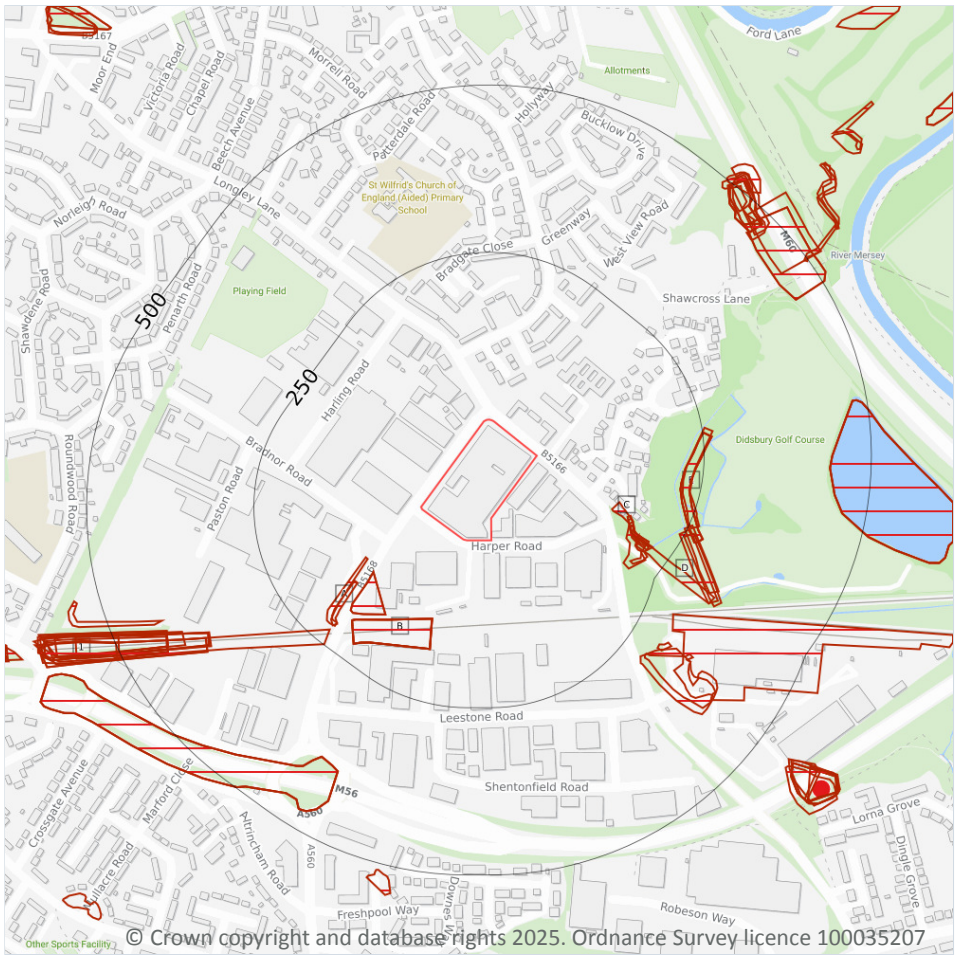
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 114 >**

Location	Hazard rating	Details
On site	**Negligible**	**Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.**

This data is sourced from the British Geological Survey.

18 Mining and ground workings



© Crown copyright and database rights 2025. Ordnance Survey licence 100035207

Site Outline

Search buffers in metres (m)

- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m	0

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	22

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on **page 116 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	110m SW	Unspecified Ground Workings	1954	1:10560
A	119m SW	Unspecified Pit	1938	1:10560
A	119m SW	Unspecified Pit	1938	1:10560
B	127m S	Cuttings	1977	1:10000
B	127m S	Cuttings	1989	1:10000
B	127m S	Cuttings	1995	1:10000
B	127m S	Cuttings	1967	1:10560
C	138m E	Pond	1954	1:10560
A	146m SW	Unspecified Ground Workings	1977	1:10000
C	164m E	Unspecified Ground Workings	1967	1:10560
C	167m E	Unspecified Ground Workings	1977	1:10000
C	173m E	Unspecified Ground Workings	1954	1:10560
C	175m E	Unspecified Ground Workings	1989	1:10000
C	175m E	Unspecified Ground Workings	1995	1:10000
D	197m E	Unspecified Heap	1954	1:10560
E	220m E	Unspecified Heap	1977	1:10000
E	220m E	Unspecified Heap	1989	1:10000
E	220m E	Unspecified Heap	1967	1:10560
E	222m E	Unspecified Heap	1995	1:10000
1	227m SW	Cuttings	1916	1:10560
D	243m E	Unspecified Heap	1916	1:10560
D	246m E	Unspecified Heap	1954	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	0

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	0

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	0

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.

20 Radon



© Crown copyright and database rights 2025. Ordnance Survey licence 100035207

20.1 Radon

Records on site	1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on **page 123 >**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Less than 1%**	**None**

This data is sourced from the British Geological Survey and UK Health Security Agency.

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	2

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 mg/kg**
23m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



© Crown copyright and database rights 2025. Ordnance Survey licence 100035207

22.1 Underground railways (London)

Records within 250m	0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	28

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 126 >**

Location	Land Use	Year of mapping	Mapping scale
108m S	Railways	1922	-
108m S	Railways	1934	-
111m S	Railway Sidings	1961	2500
111m S	Railway	1898	-
117m S	Railway Sidings	1938	10560
123m S	Railway Sidings	1916	10560
123m S	Railway Sidings	1905	10560
123m S	Railway Sidings	1923	10560
129m S	Railway Sidings	1954	10560
129m S	Railway Sidings	1995	10000
129m S	Railway Sidings	1967	10560
129m S	Railway Sidings	1977	10000
129m S	Railway Sidings	1989	10000
130m S	Railway Sidings	1897	10560
130m S	Railway Sidings	1907	10560
130m S	Railway Sidings	1898	2500
130m S	Railway Sidings	1910	2500

Location	Land Use	Year of mapping	Mapping scale
130m S	Railway Sidings	1876	2500
133m S	Railway Sidings	1995	1250
133m S	Railway Sidings	1992	1250
141m S	Railway Sidings	1922	2500
141m S	Railway Sidings	1938	10560
142m S	Railway Sidings	1957	2500
142m S	Railway Sidings	1967	1250
142m S	Railway Sidings	1956	1250
156m S	Railway Sidings	1934	2500
188m SW	Railway	1876	-
199m SW	Railway Sidings	1907	10560

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	14

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

Features are displayed on the Railway infrastructure and projects map on **page 126 >**

Location	Name	Type
123m S	Woodley Junction to Partington Branch	rail
126m S	Not given	Multi Track
126m S	Woodley Junction to Partington Branch	rail
131m S	Not given	Multi Track
136m S		rail
168m SW	Not given	Multi Track
181m SE		rail
181m SE	Edgeley Junction and Northenden Branch	rail
230m SW	Not given	Multi Track
236m SE	Not given	Multi Track
239m SE		rail
239m SE	Edgeley Junction and Northenden Branch	rail
241m SE	Not given	Multi Track
248m SW	Woodley Junction to Partington Branch	rail

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m	0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m	0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

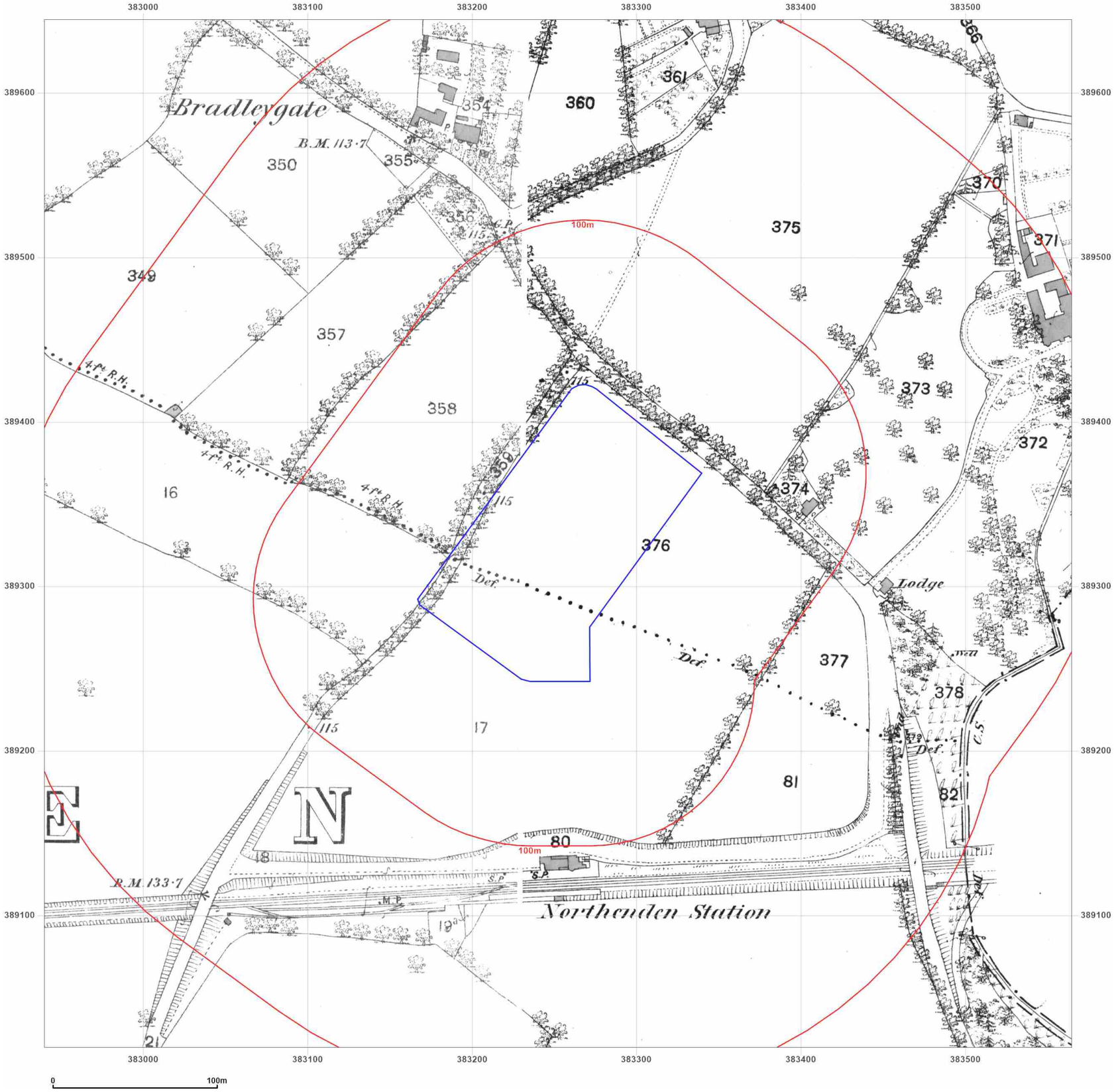
This data is sourced from HS2 ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see https://www.groundsure.com/sources-reference ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

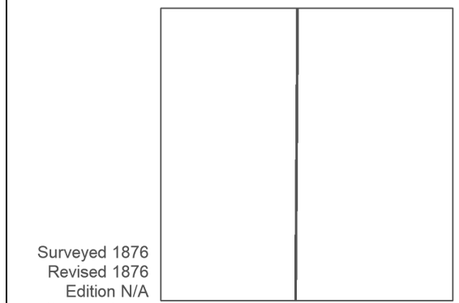
Map Name: County Series

Map date: **1872-1876**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1872
Edition N/A
Copyright N/A
Levelled N/A

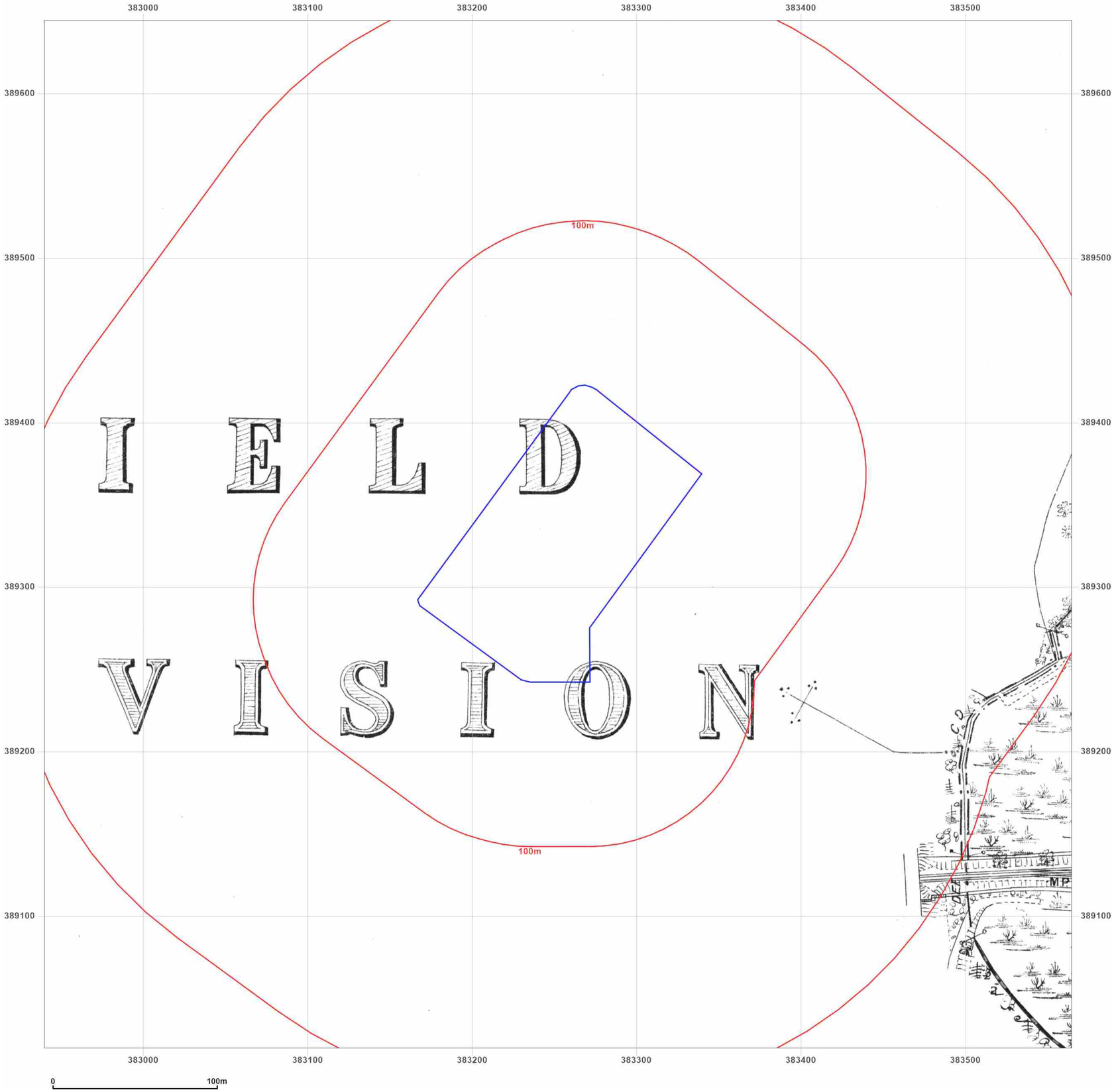
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

Map date: **1881**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1881
Revised 1881
Edition N/A
Copyright N/A
Levelled N/A

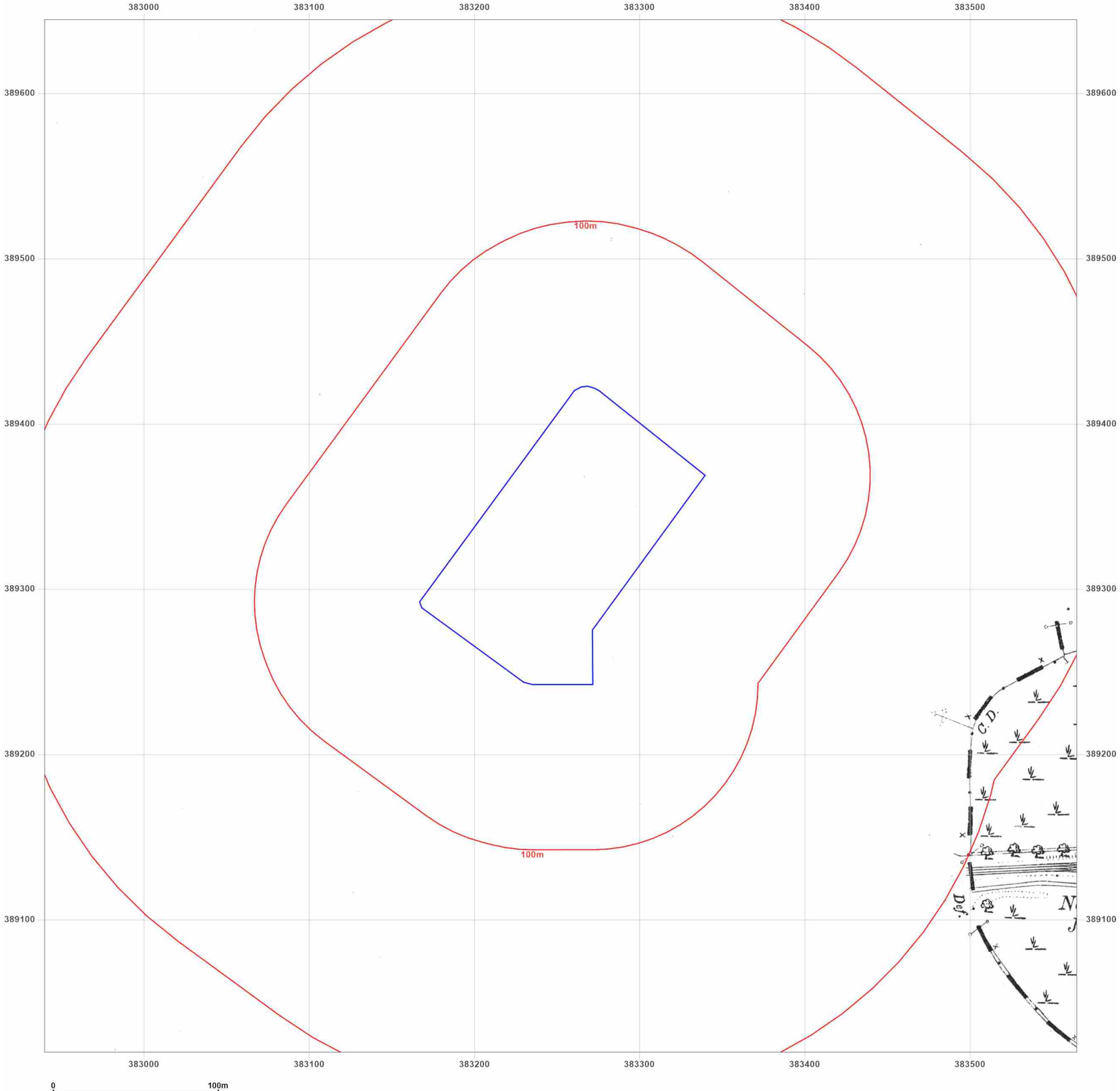
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

Map date: **1893**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

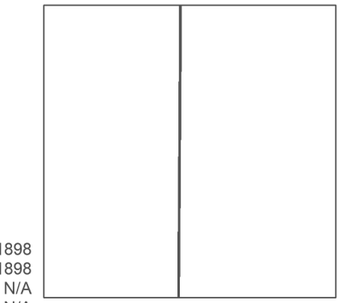
Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



Surveyed 1898
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1898
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

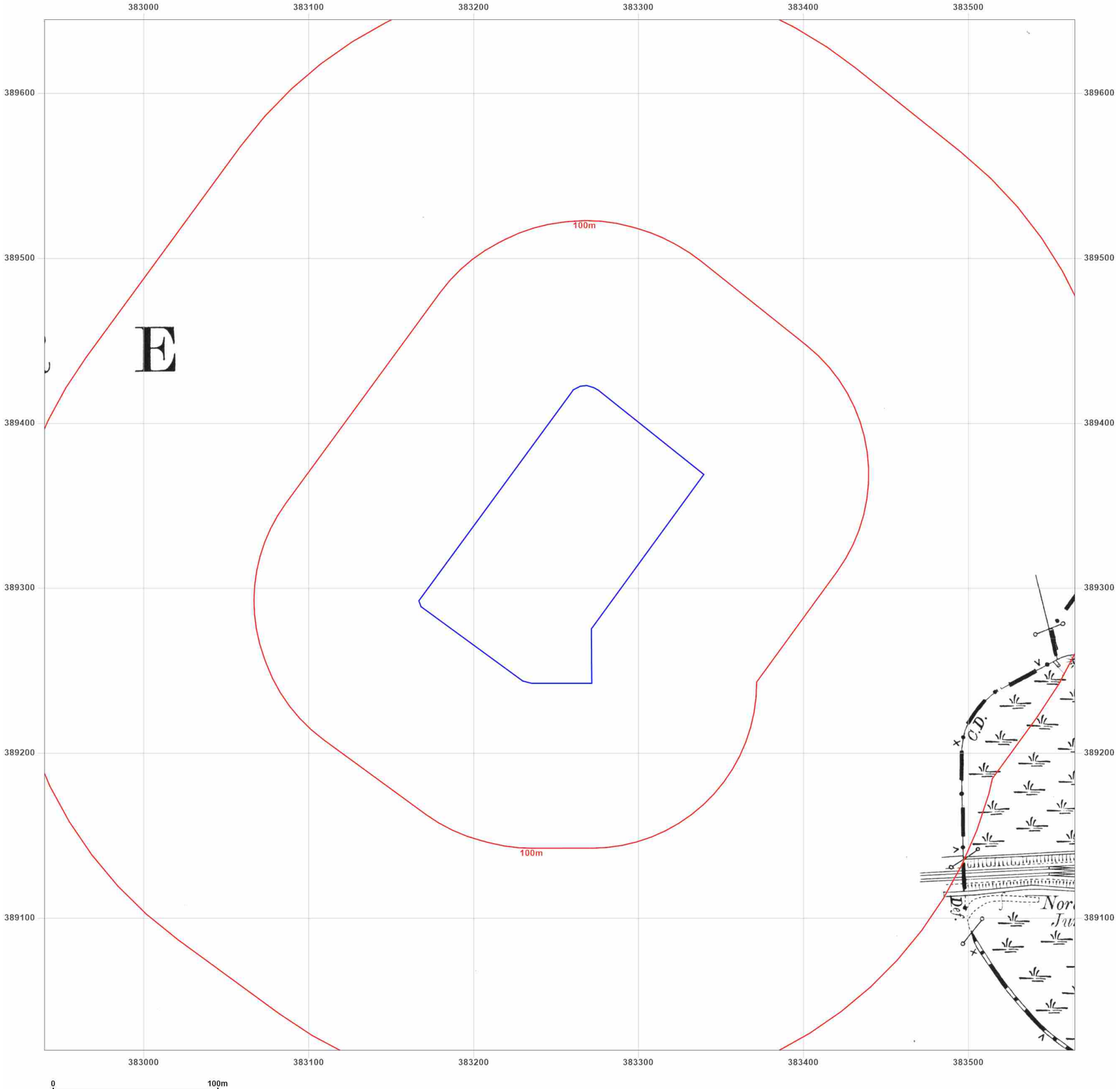
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

Map date: **1907**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1907
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

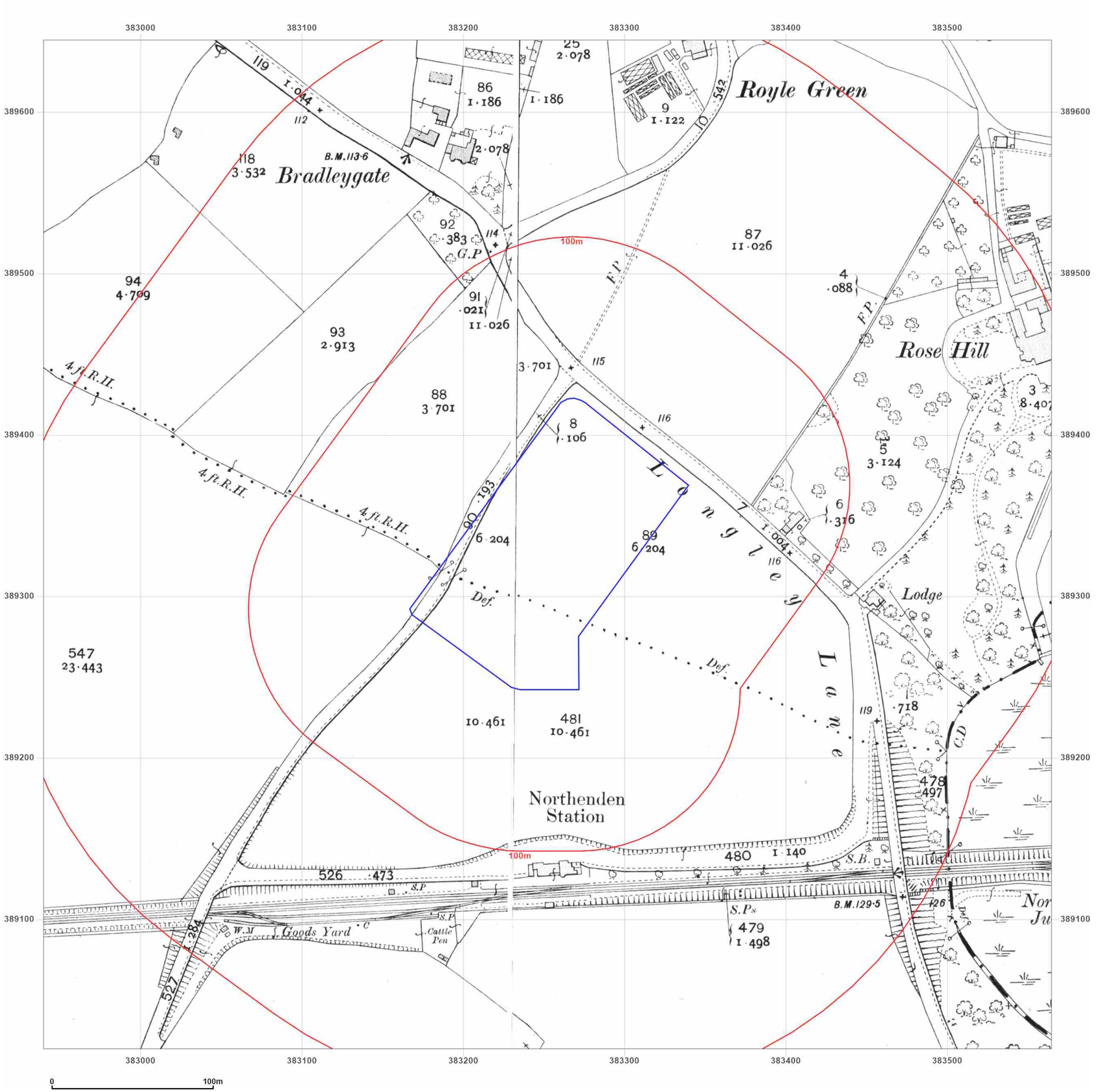
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

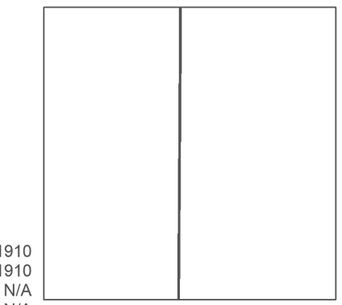
Map Name: County Series

Map date: **1910**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



Surveyed 1910
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1910
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

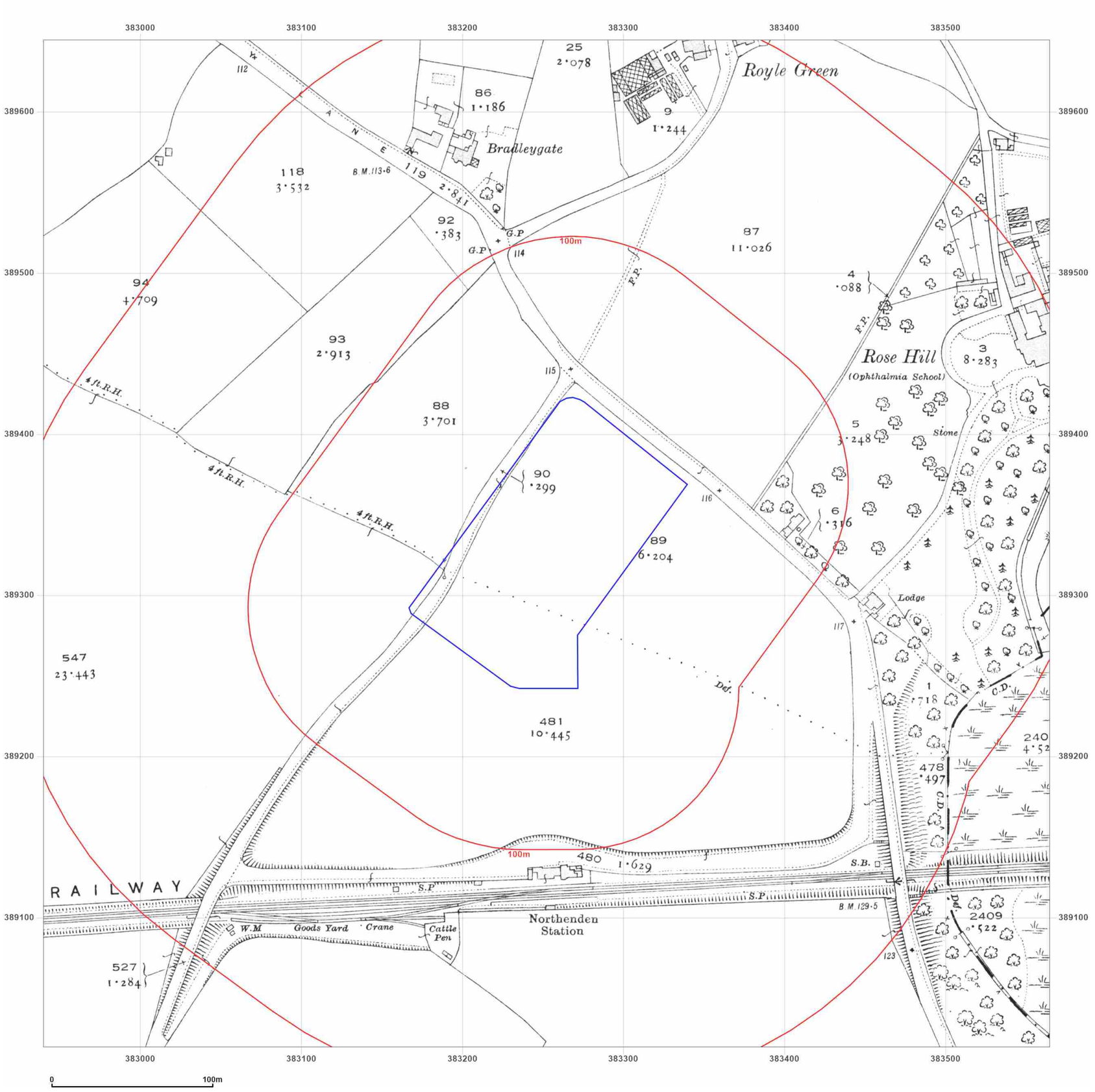
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

Map date: **1922**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1922
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

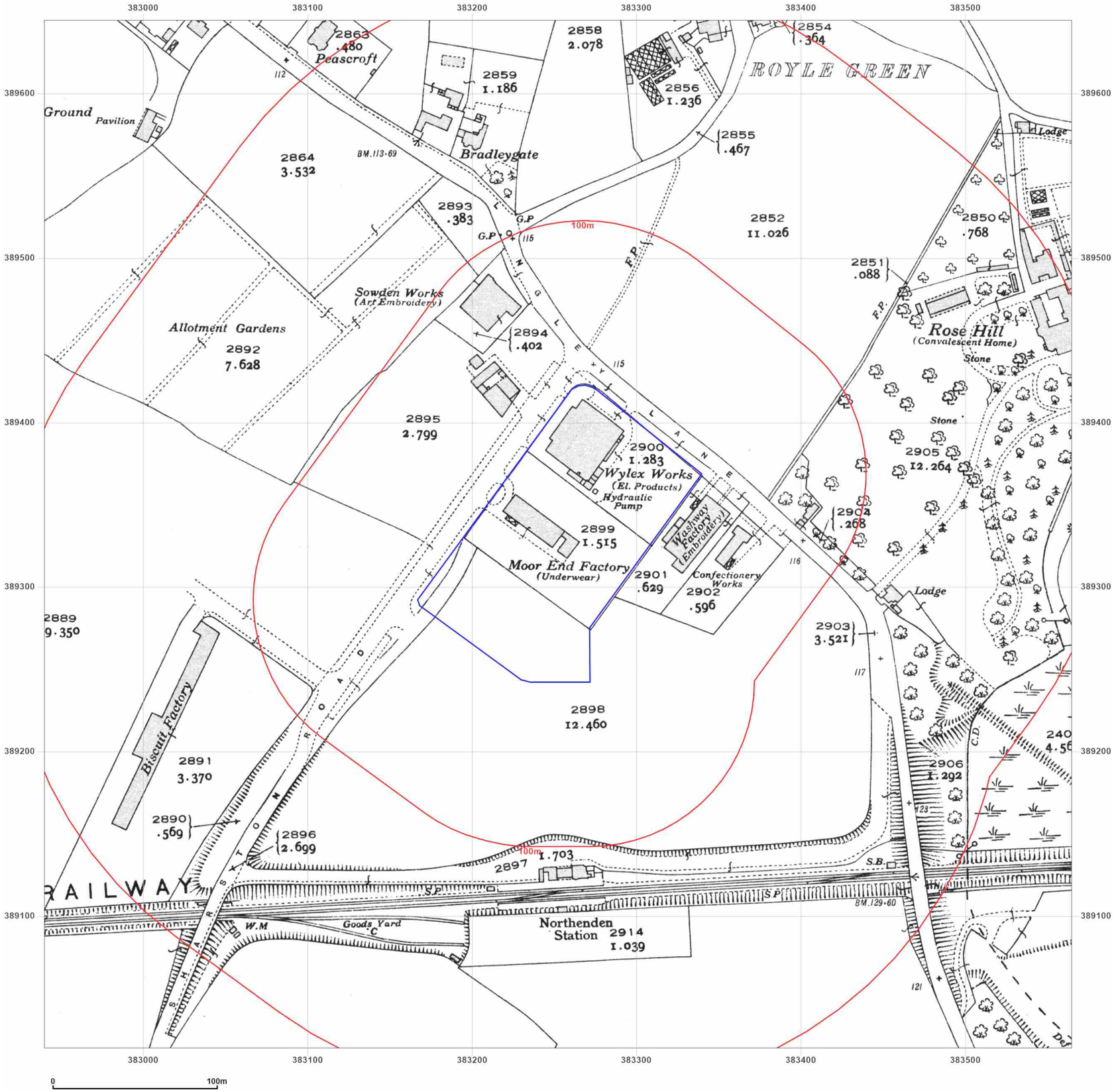
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

Map date: **1934**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1934
Revised 1934
Edition N/A
Copyright N/A
Levelled N/A

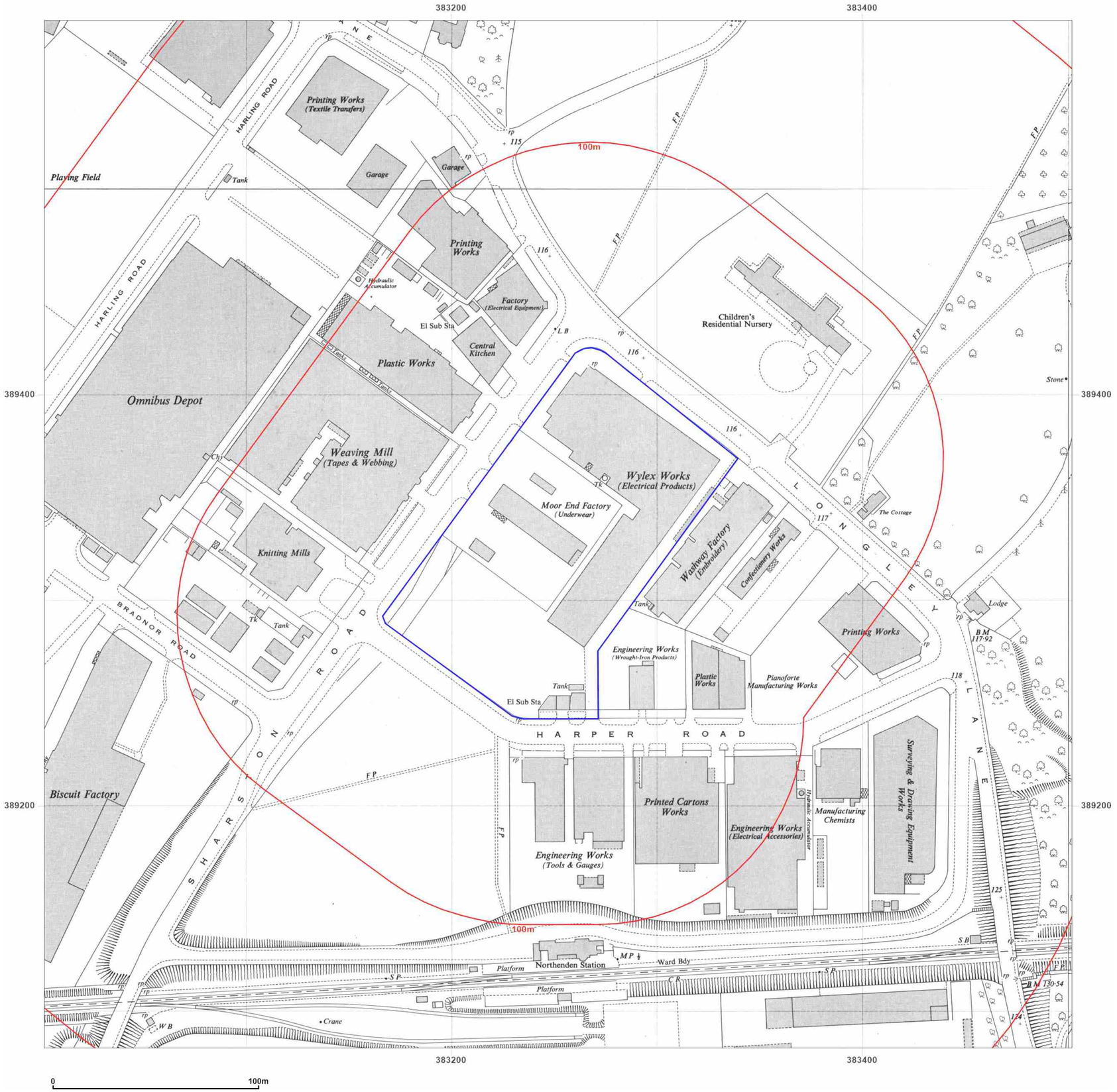
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1956**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed 1956 Revised 1956 Edition N/A Copyright N/A Levelled 1949	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A
Surveyed 1956 Revised 1956 Edition N/A Copyright N/A Levelled 1949	Surveyed 1956 Revised 1956 Edition N/A Copyright N/A Levelled 1949

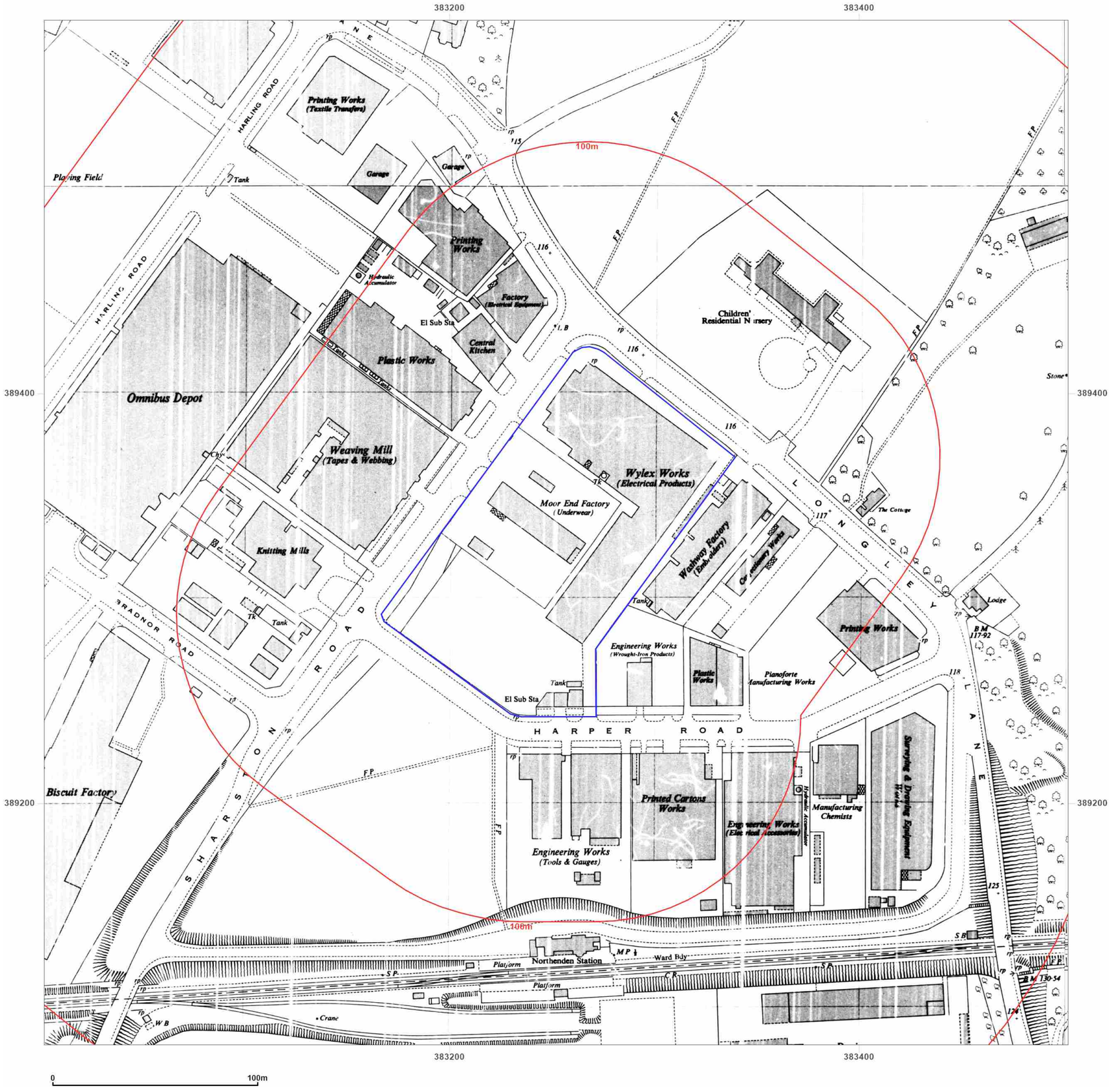
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1956**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed 1956 Revised N/A Edition N/A Copyright N/A Levelled 1949
Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A

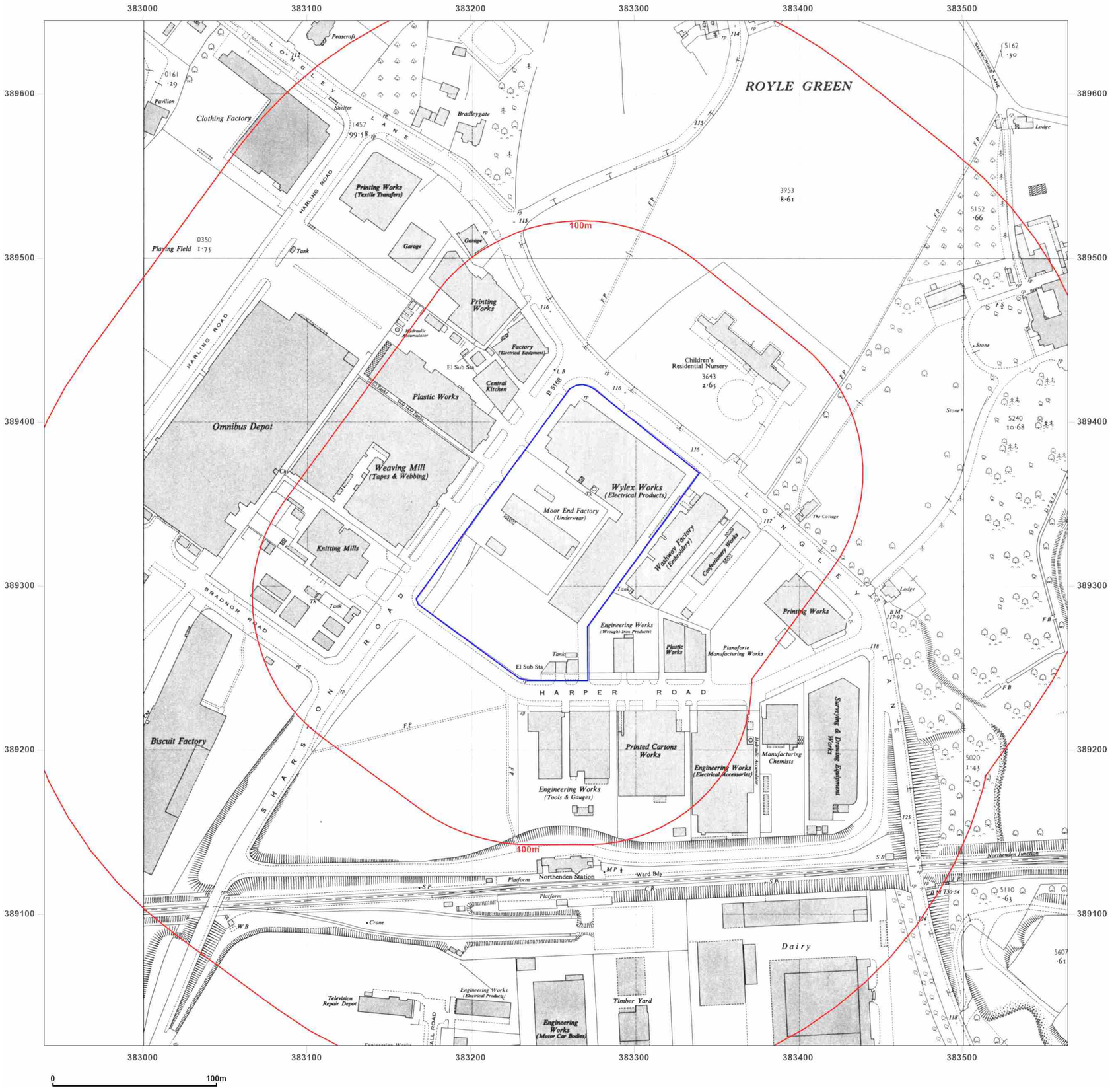
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1957**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

~~Surveyed 1956~~
Revised 1956
Edition 1957
Copyright N/A
Levelled 1949

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1961**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1958
Revised 1958
Edition N/A
Copyright 1961
Levelled N/A

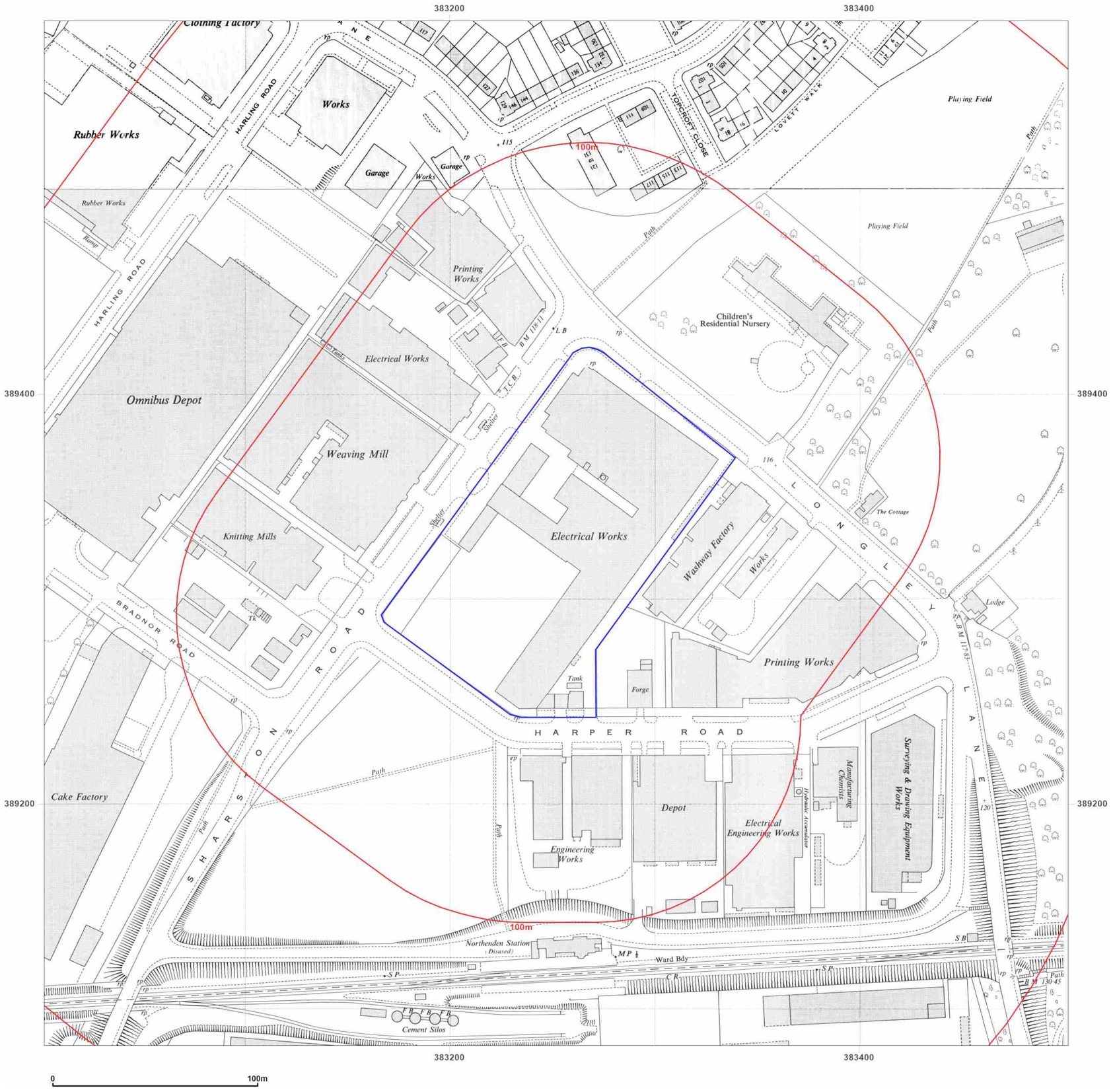
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1967**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

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

Surveyed 1956
Revised 1958
Edition N/A
Copyright 1967
Levelled 1958

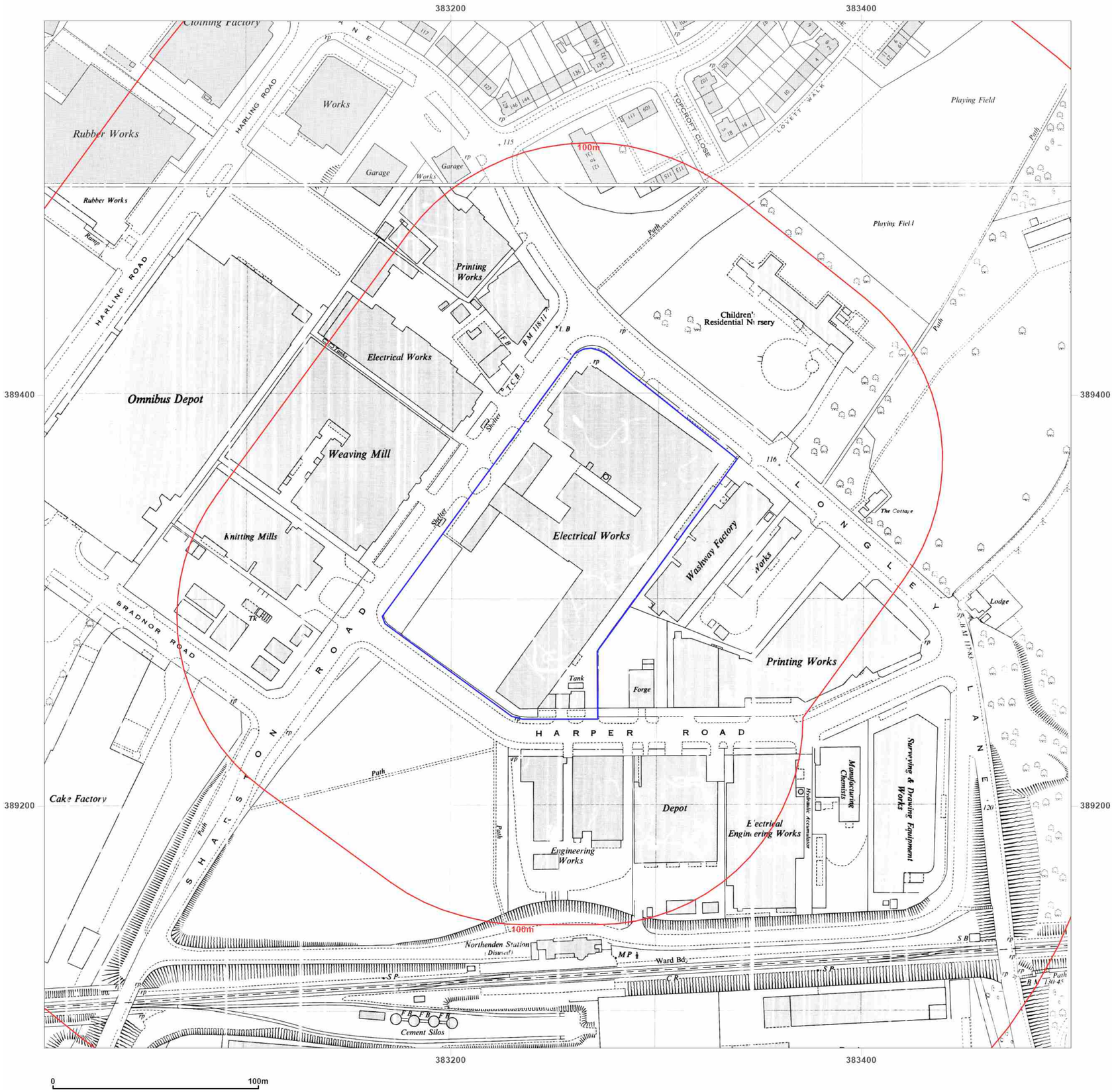
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1967**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed 1956
Revised 1966
Edition N/A
Copyright 1967
Levelled 1958

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

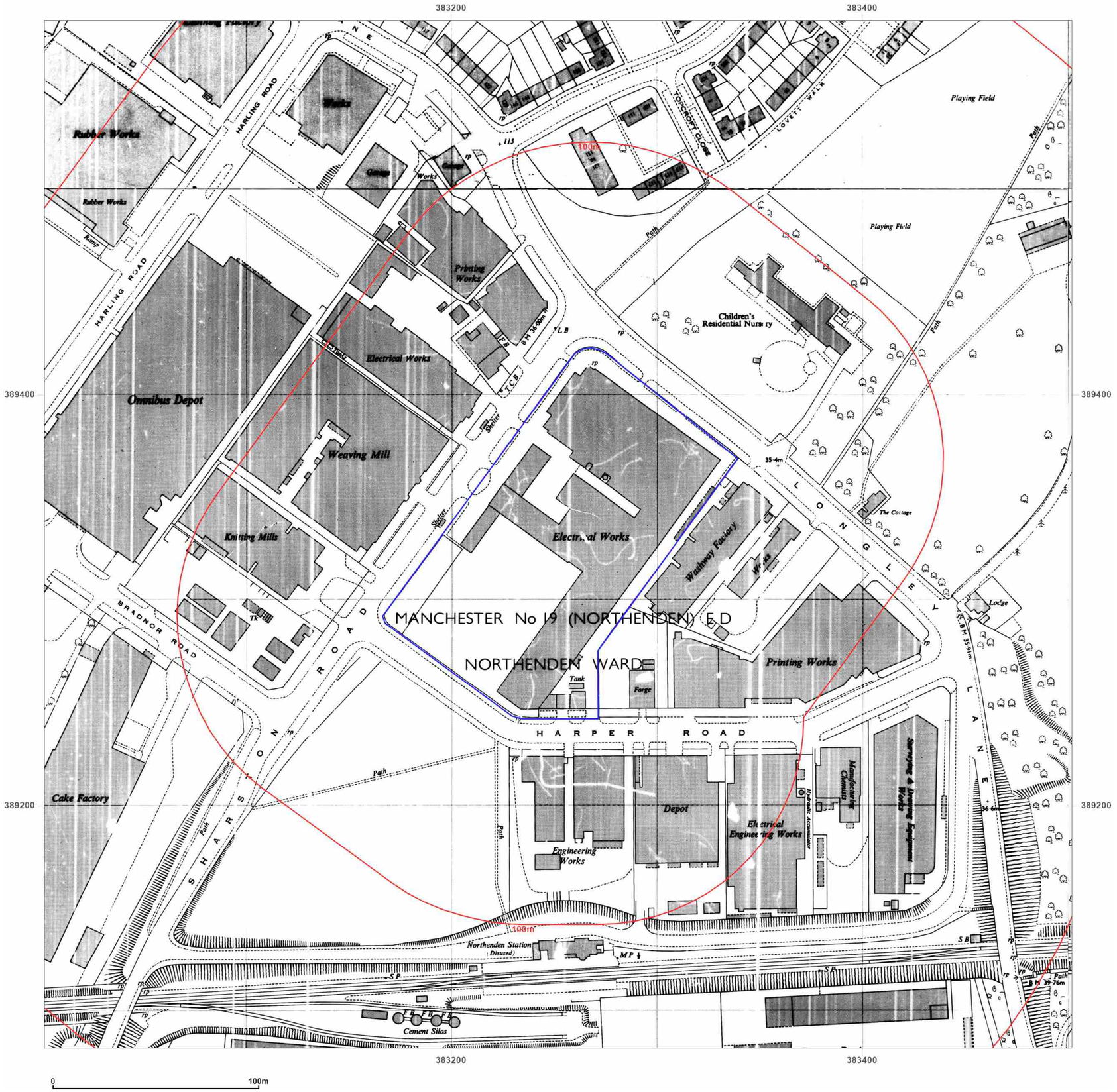
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1975-1976**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

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

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

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

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

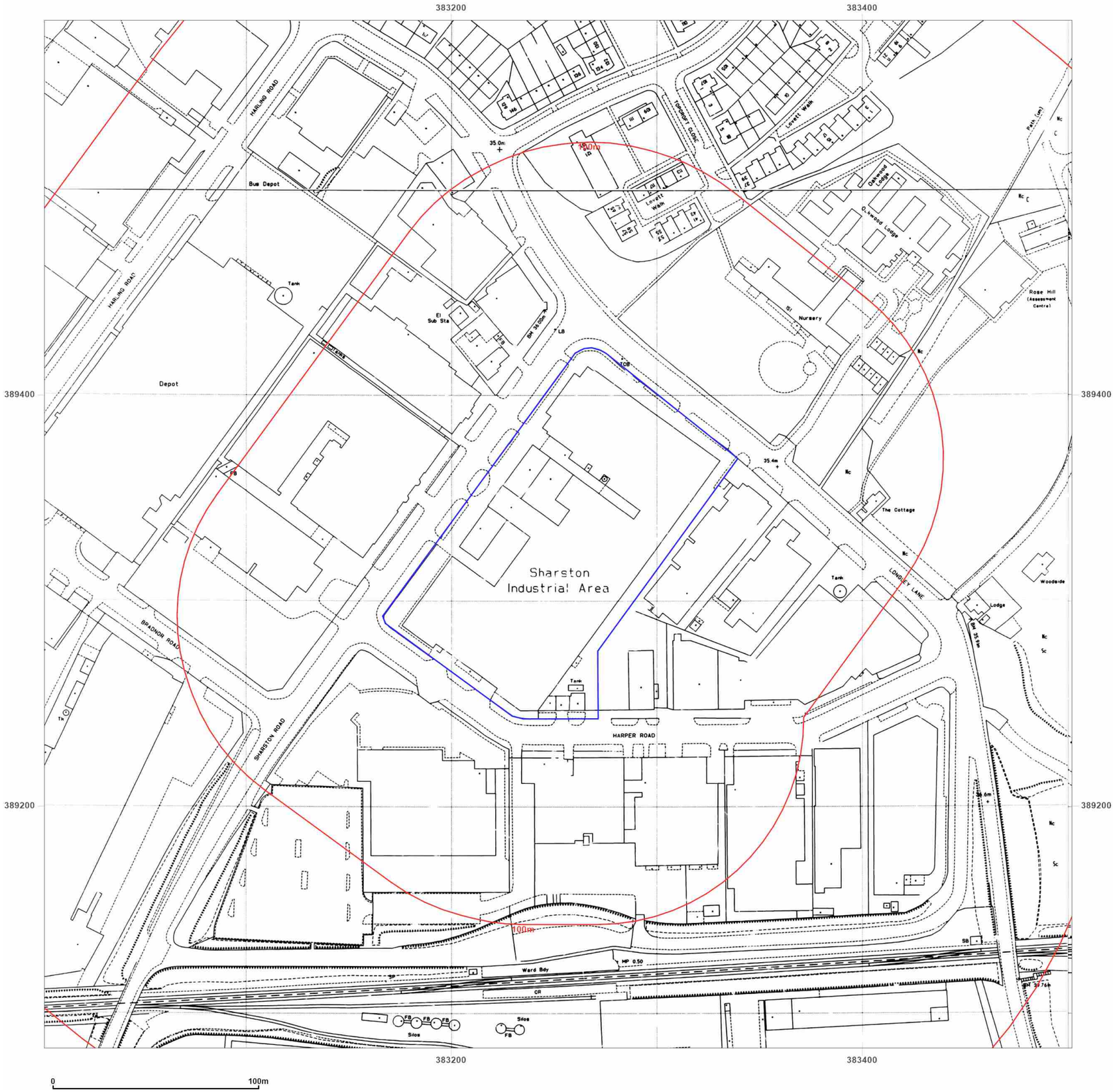
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1992**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A
Surveyed N/A Revised 1992 Edition N/A Copyright 1992 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A

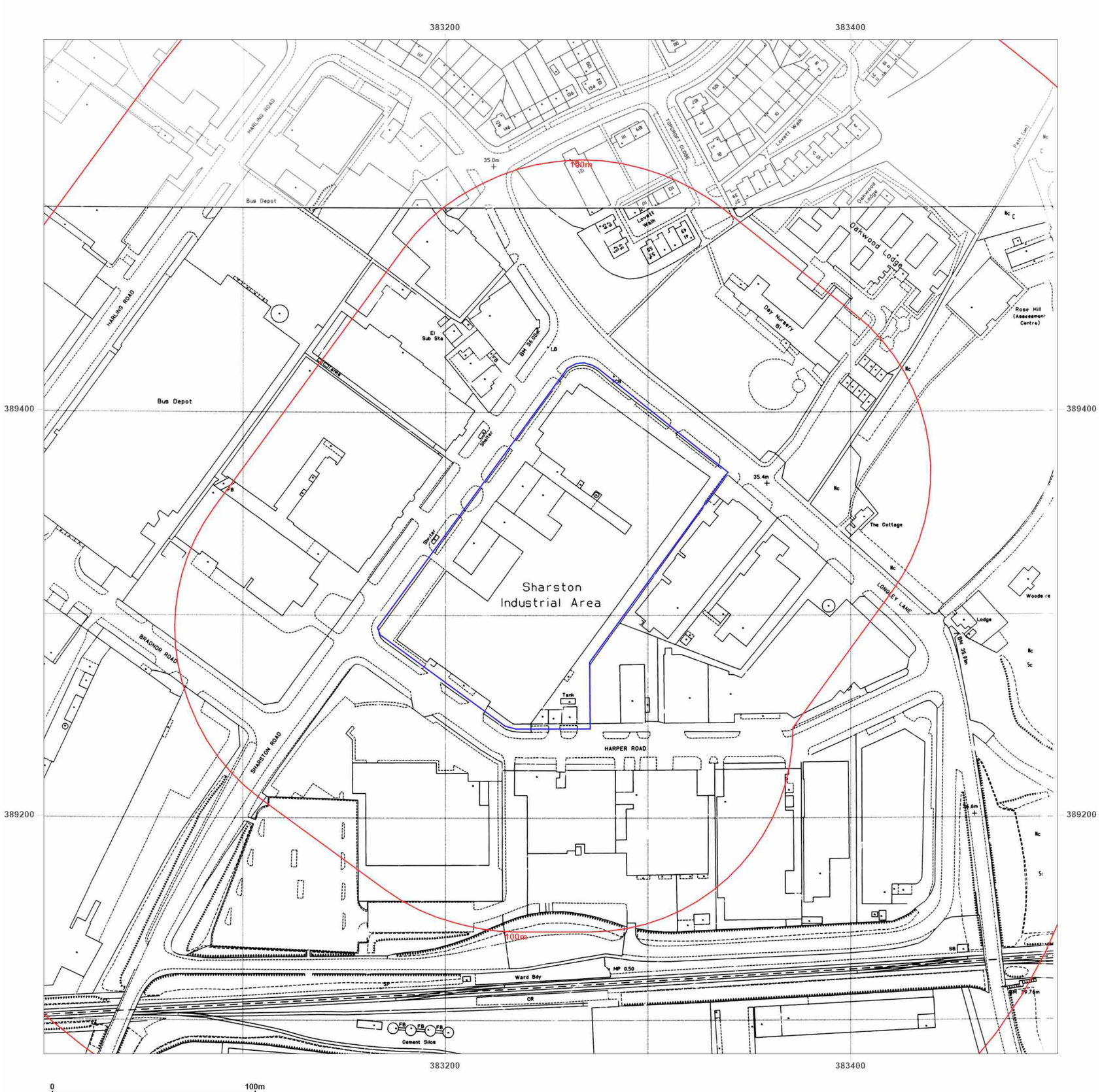
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1992**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed 1992
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

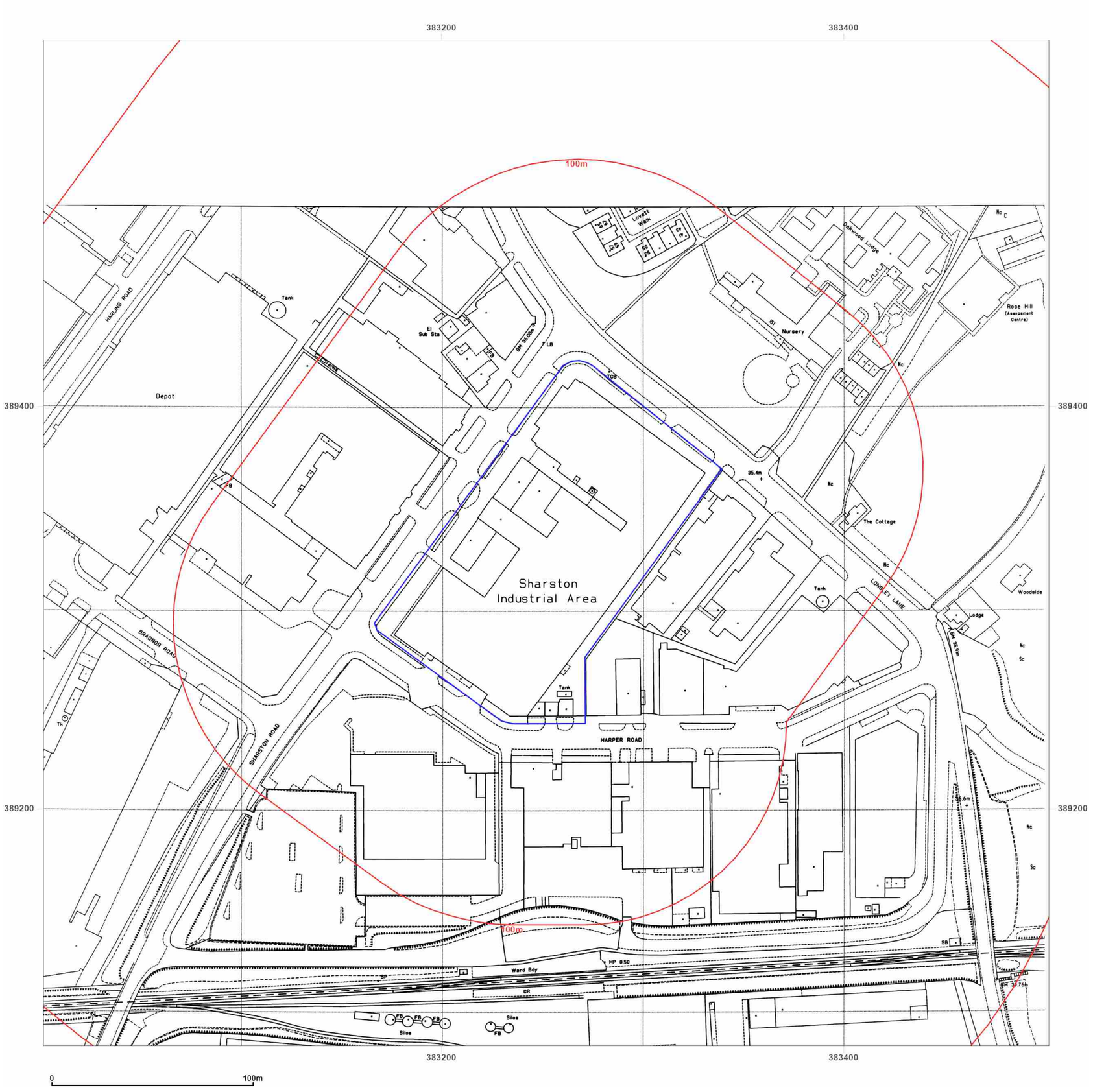
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1992**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

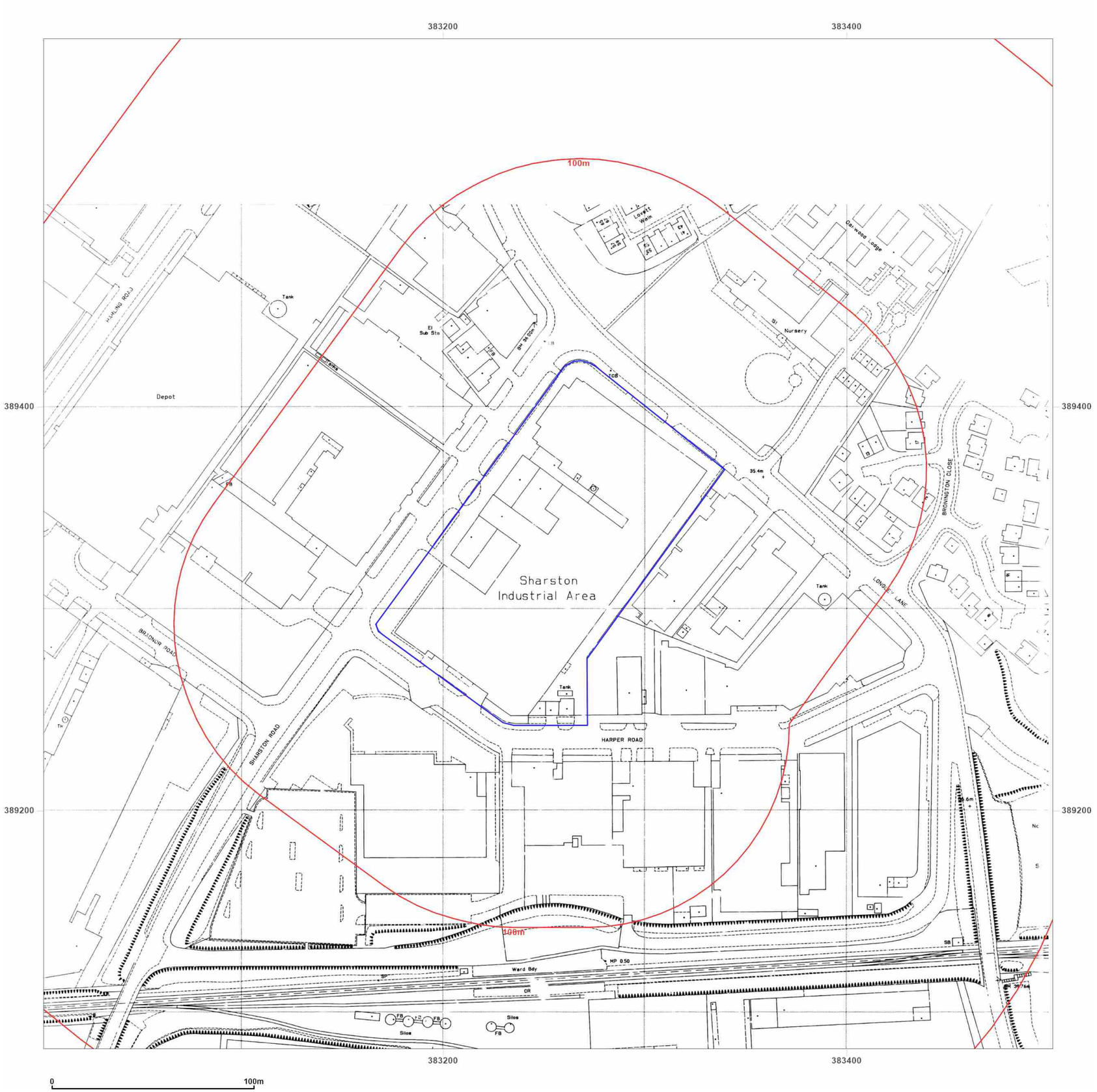
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1995**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1995
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1995**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed 1995
Revised 1995
Edition N/A
Copyright 1995
Levelled N/A

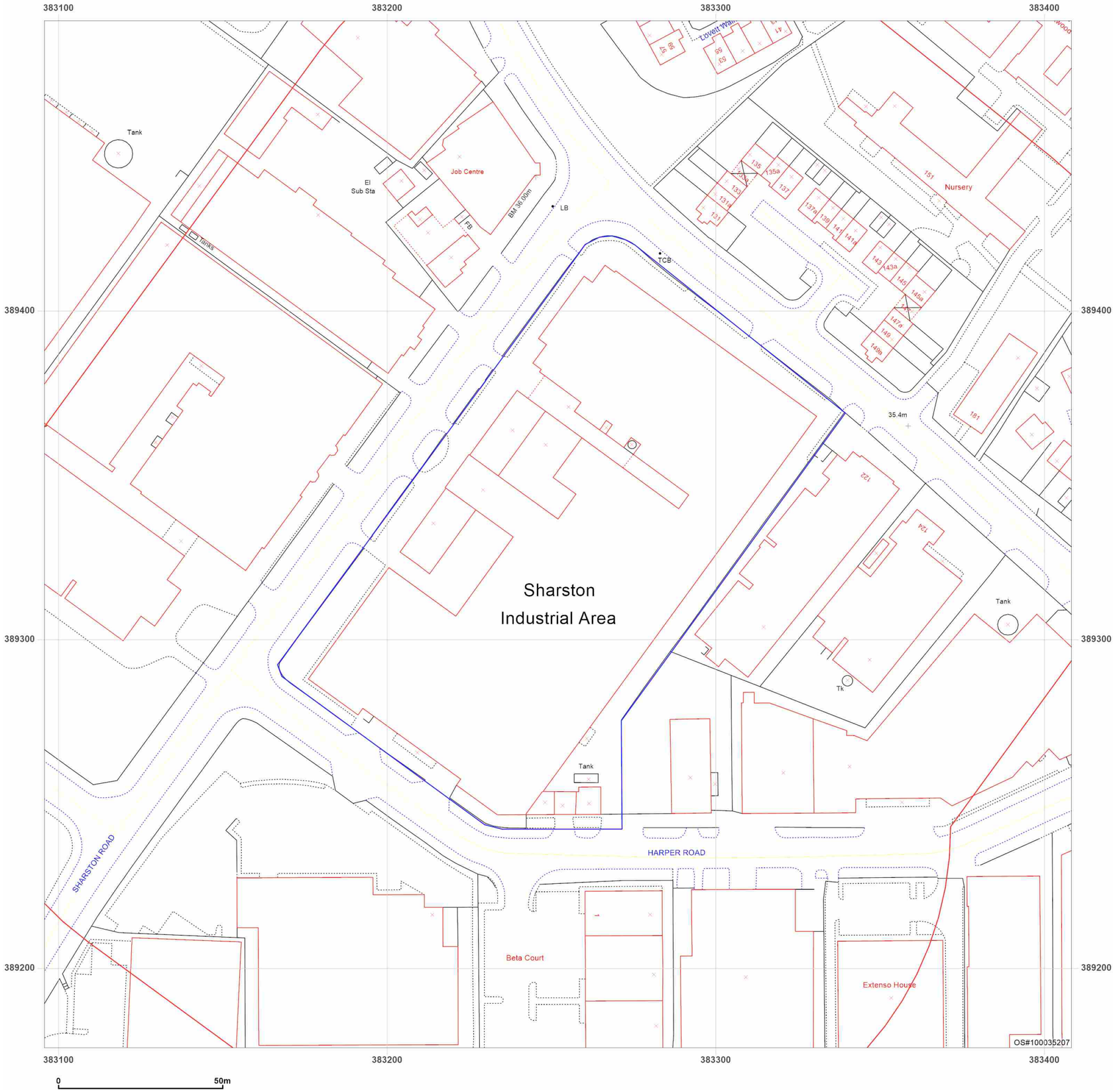
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: LandLine
Map date: **2003**
Scale: 1:1,250
Printed at: 1:1,250

N
W E
S

2003

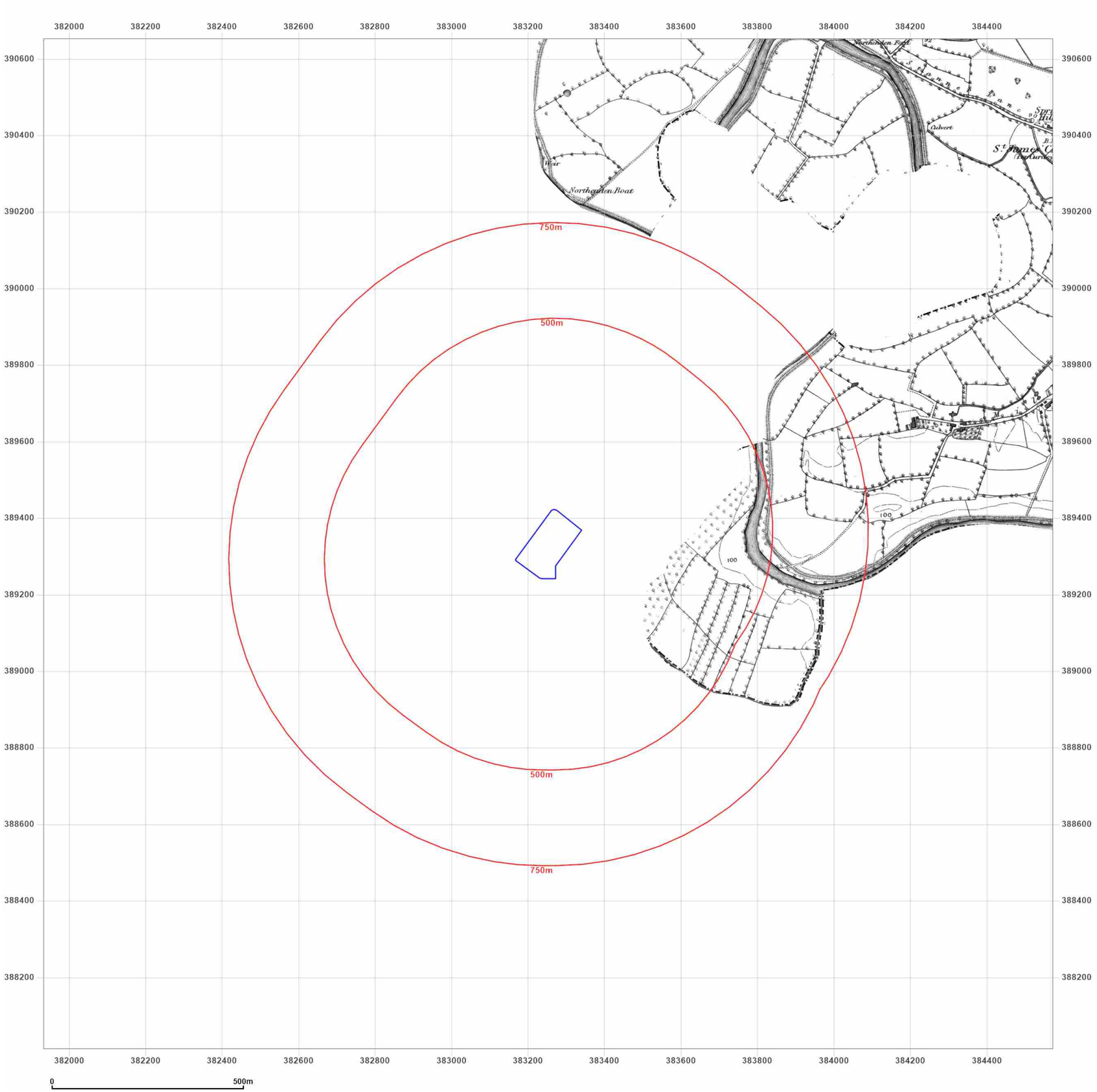
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

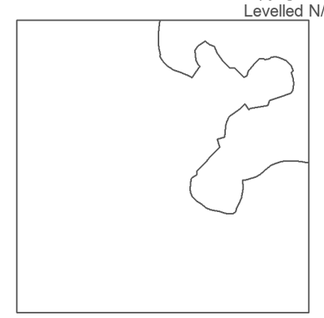
Map date: **1849**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1845
Revised 1849
Edition 1848
Copyright N/A
Levelled N/A



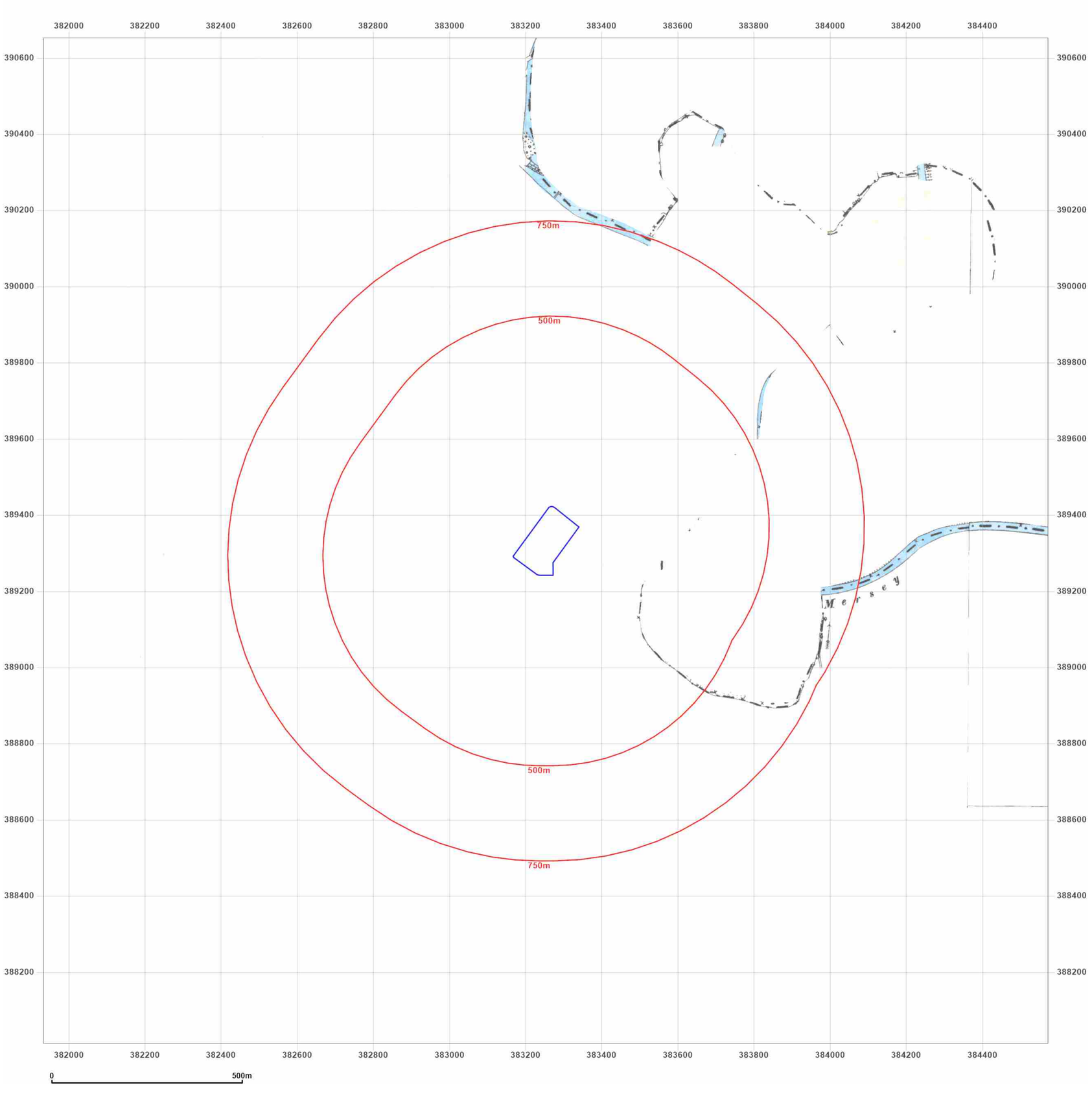
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

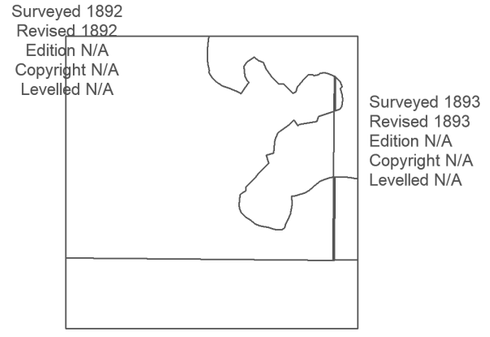
Map Name: County Series

Map date: **1892-1893**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S



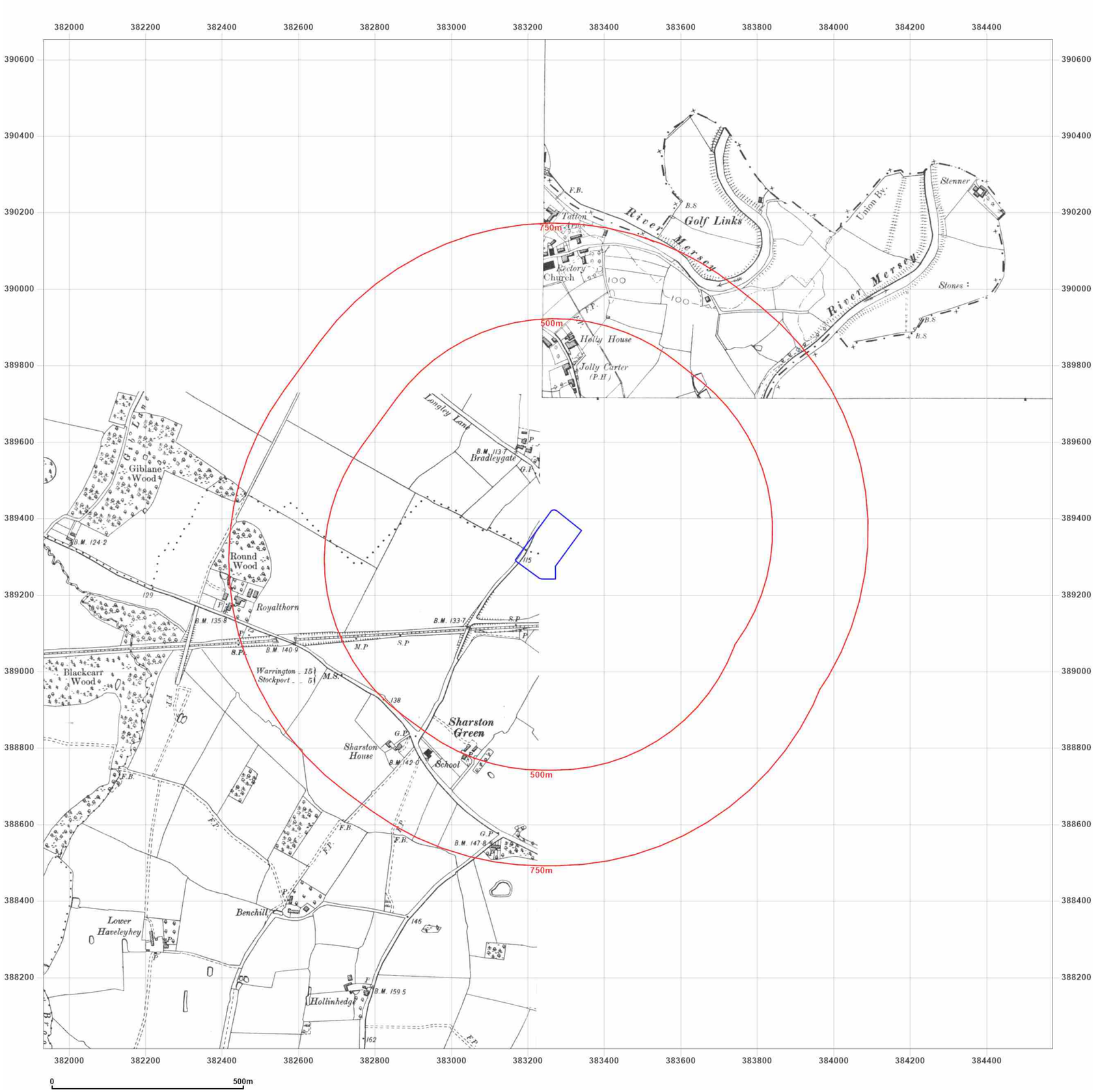
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

Map date: **1897**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1872
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A

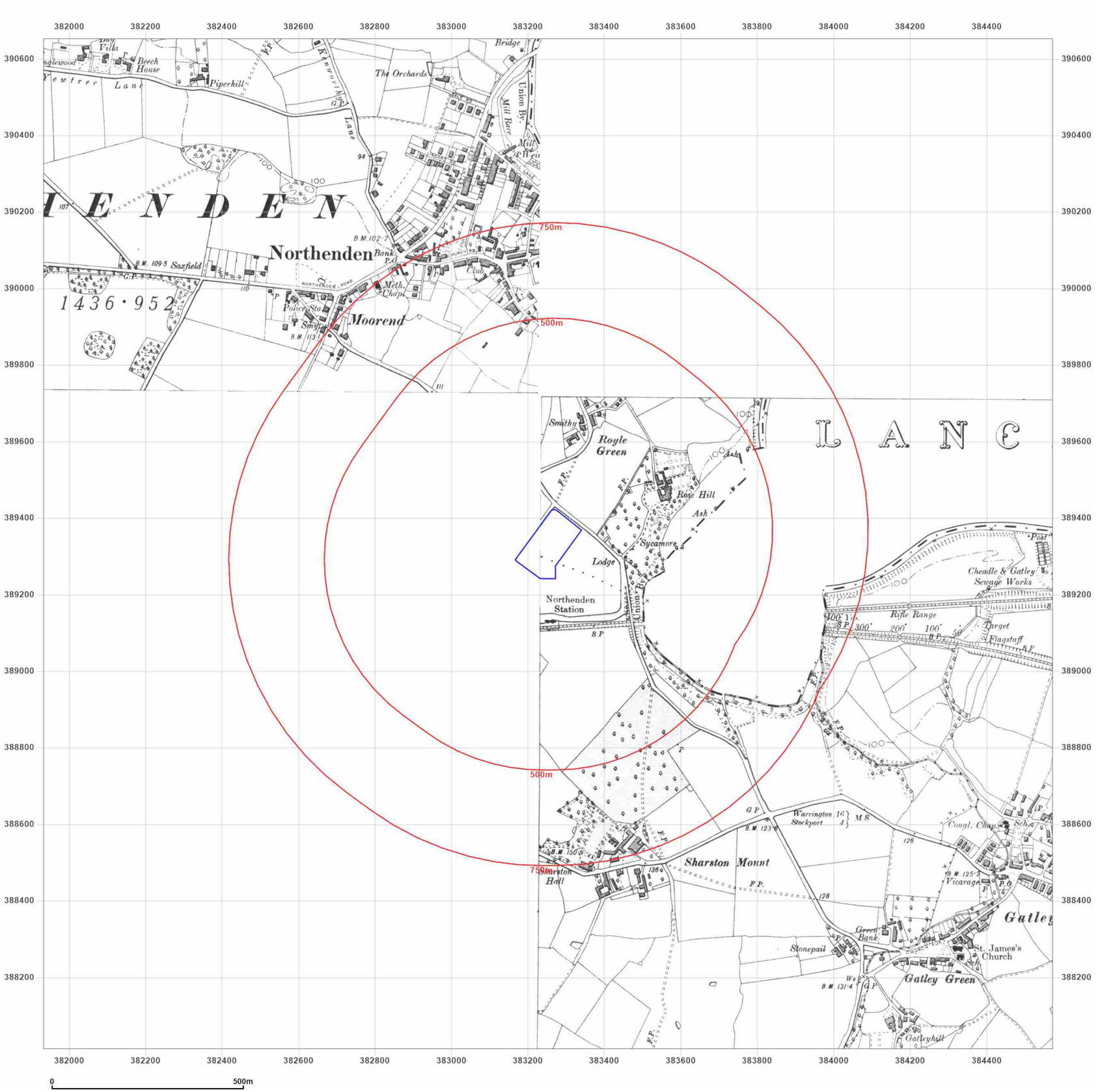
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

Map date: **1897**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1876
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A

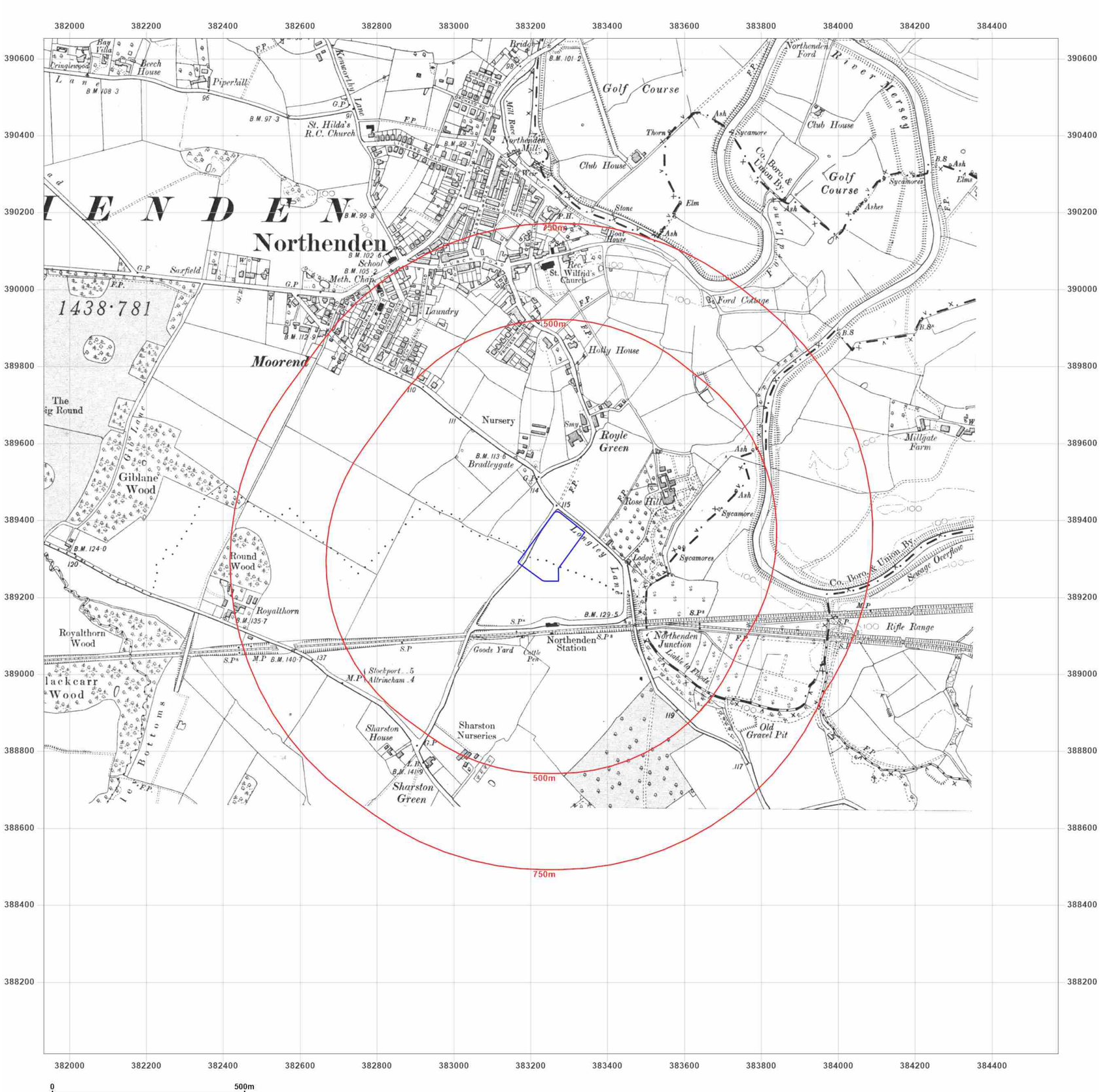
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

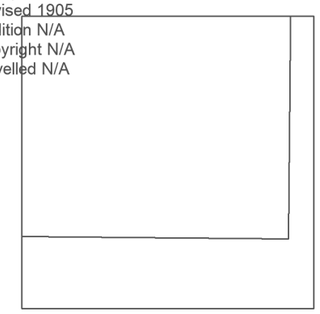
Map date: **1905**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1844
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A



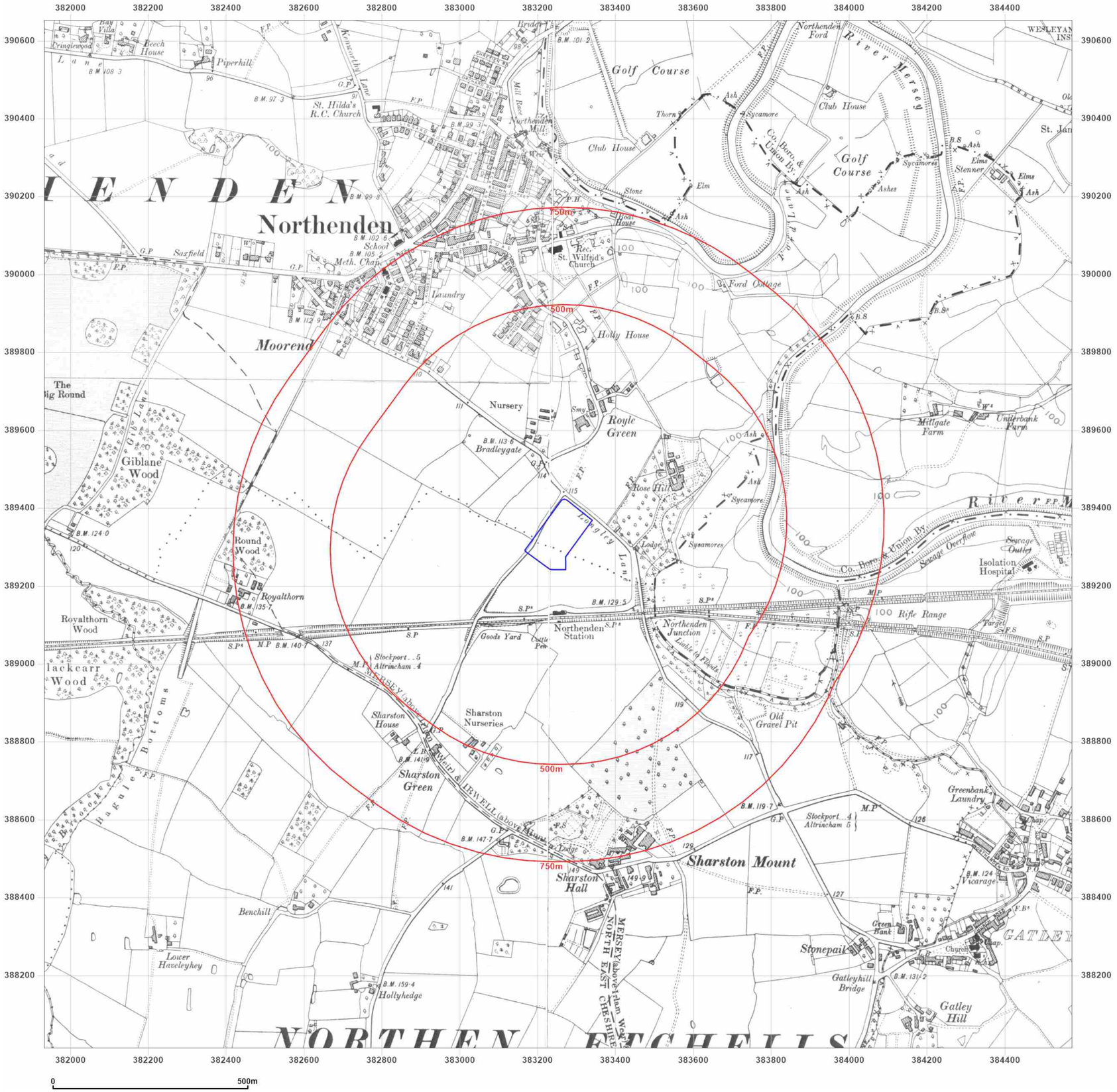
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

Map date: **1907-1911**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1873
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1911
Edition 1911
Copyright N/A
Levelled N/A

Surveyed 1873
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A

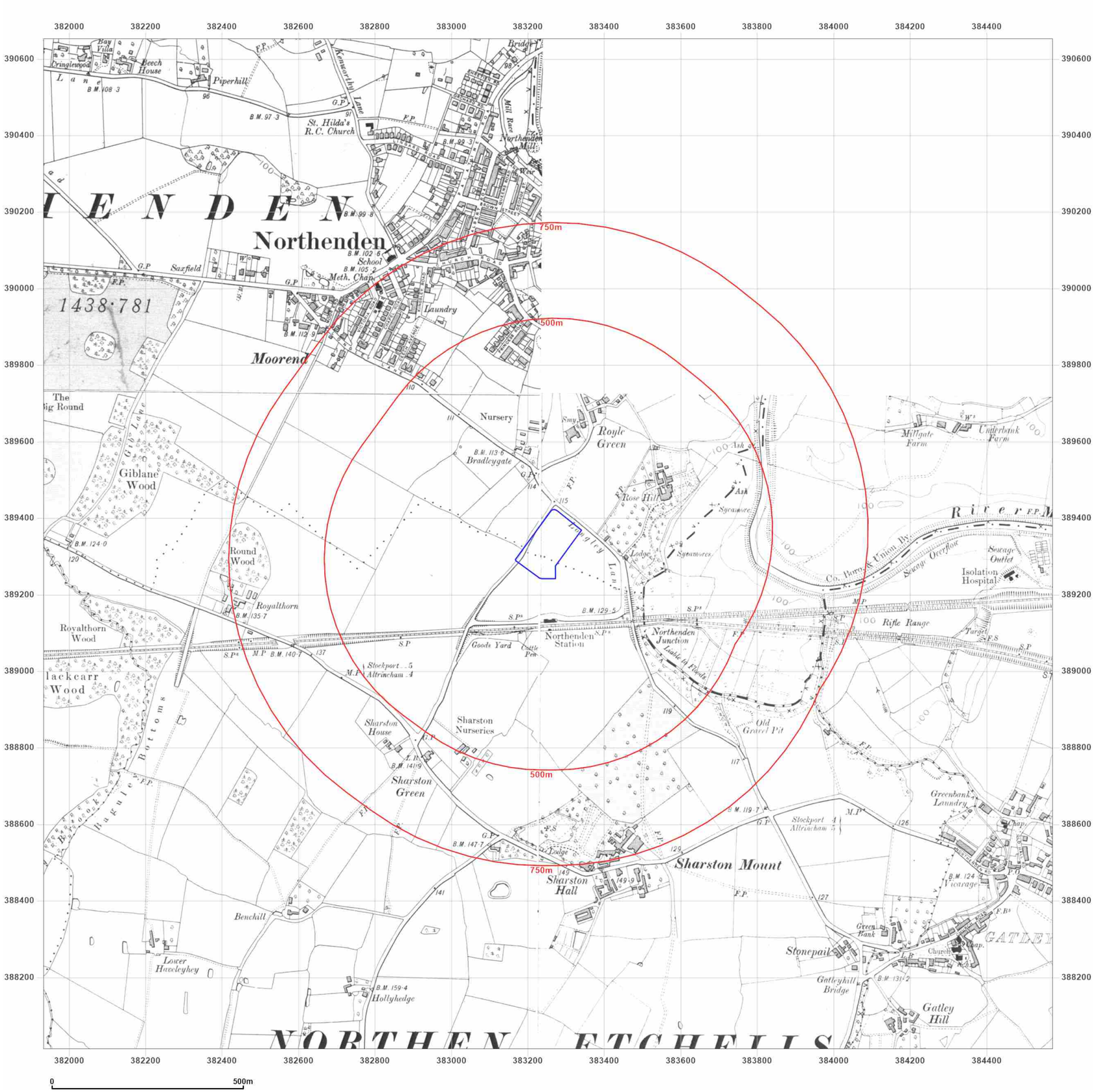
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

Map date: **1907-1911**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1873
Revised 1911
Edition 1911
Copyright N/A
Levelled N/A

Surveyed 1873
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1911
Edition 1911
Copyright N/A
Levelled N/A

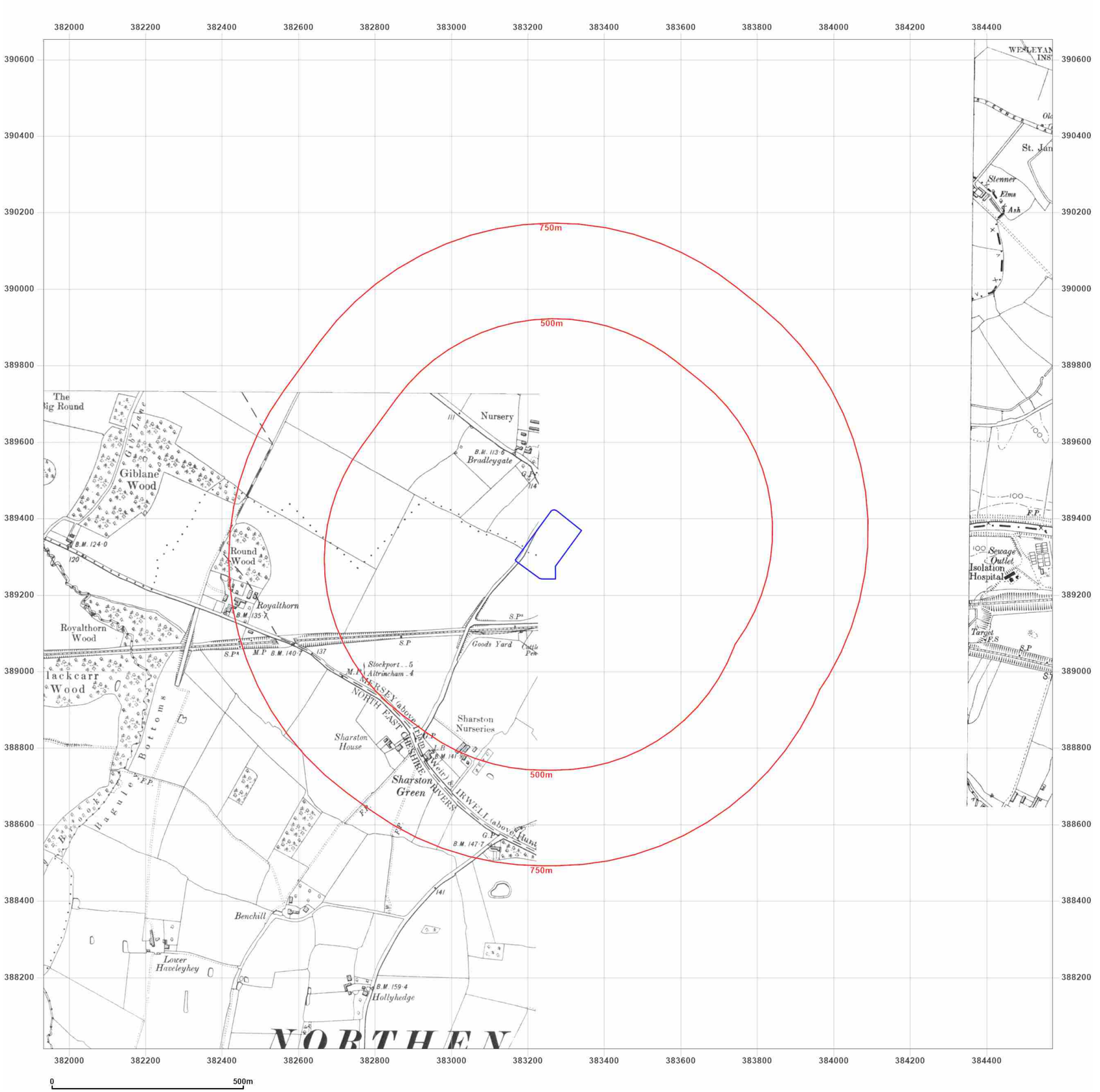
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

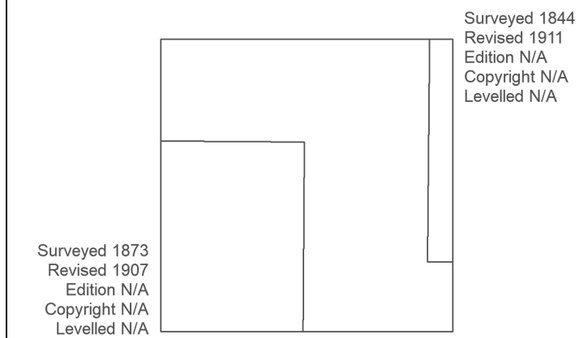
Map Name: County Series

Map date: **1907-1911**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S



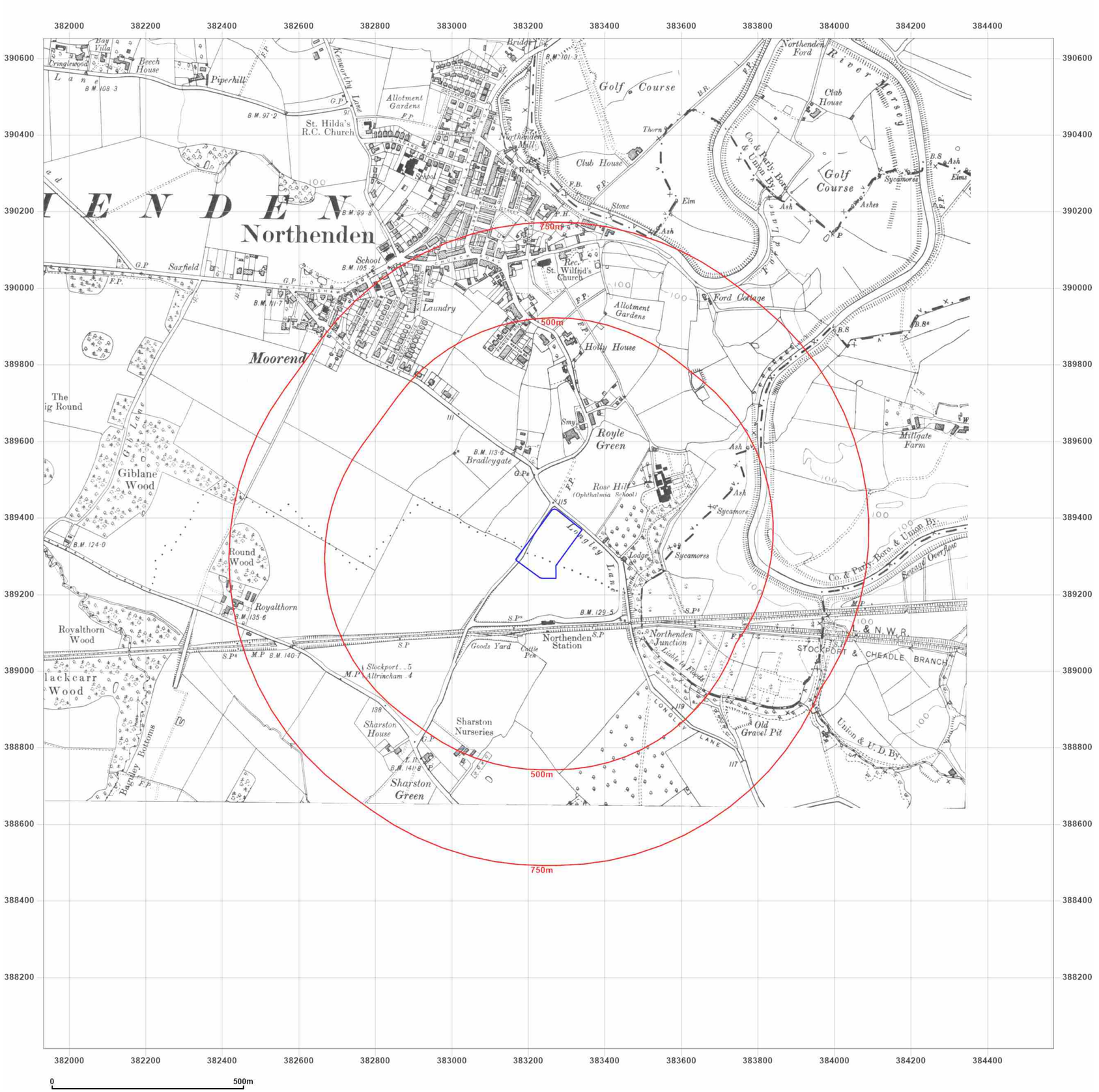
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

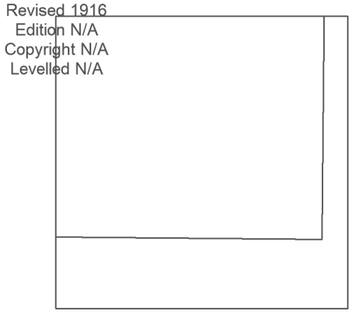
Map date: **1916**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1844
Revised 1916
Edition N/A
Copyright N/A
Levelled N/A



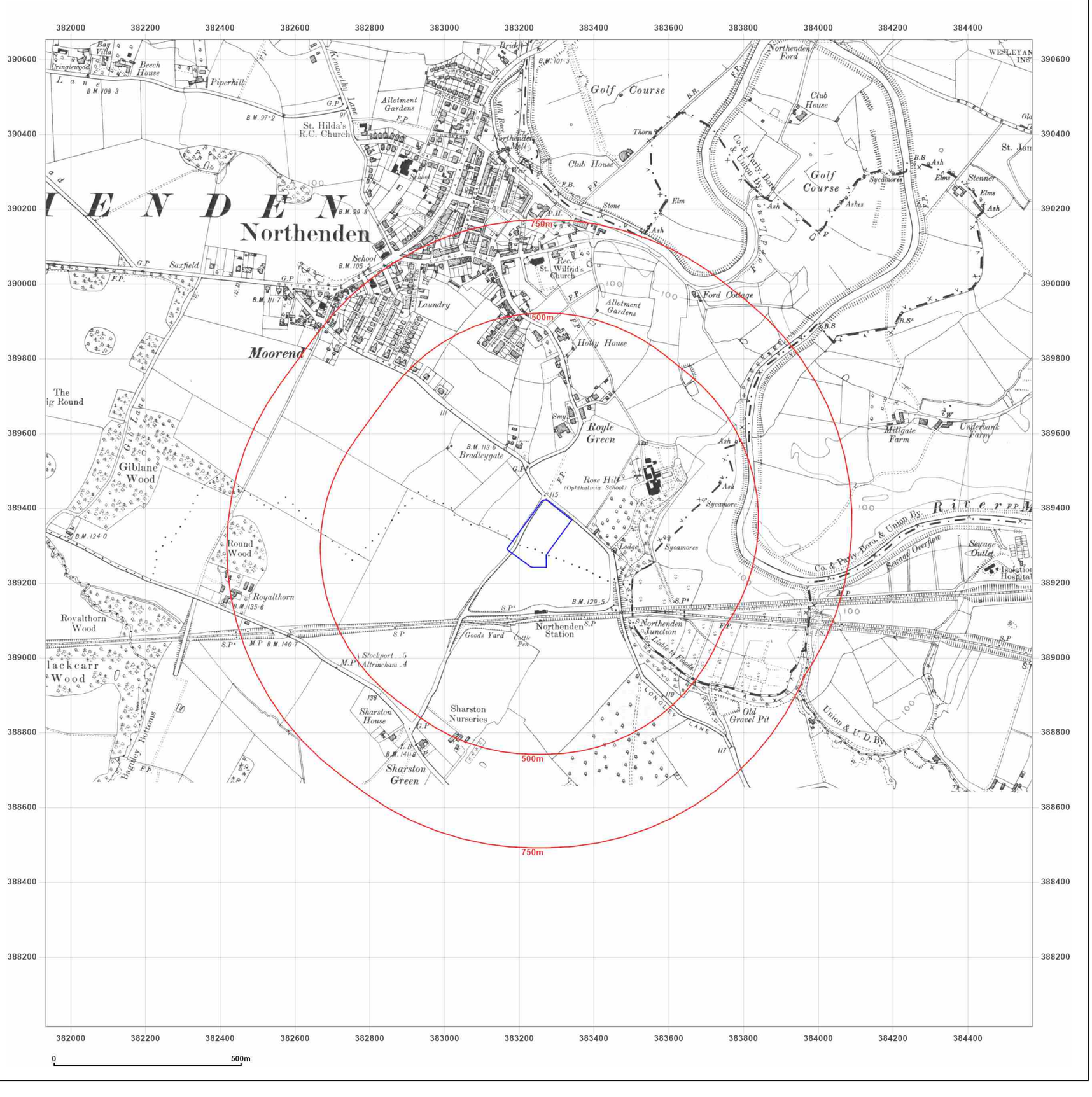
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: County Series

Map date: **1923**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1844
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

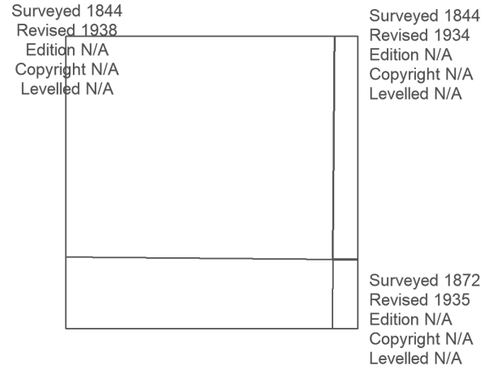
Map Name: County Series

Map date: **1934-1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S



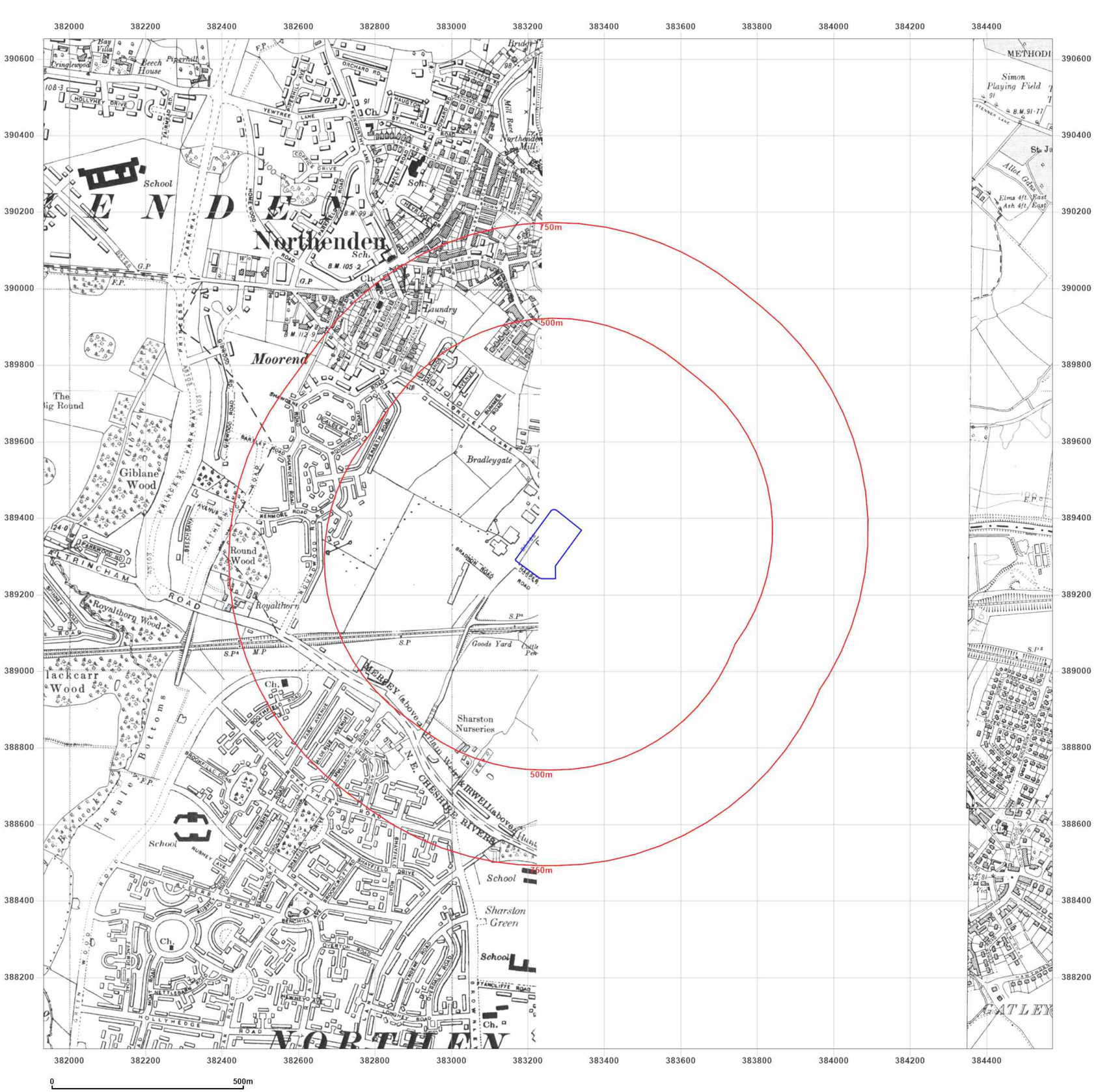
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

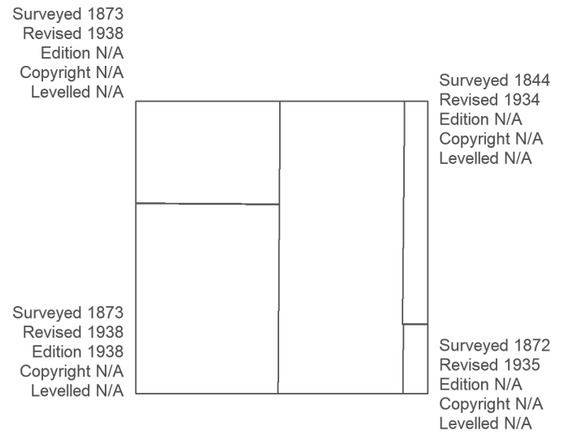
Map Name: County Series

Map date: **1934-1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S



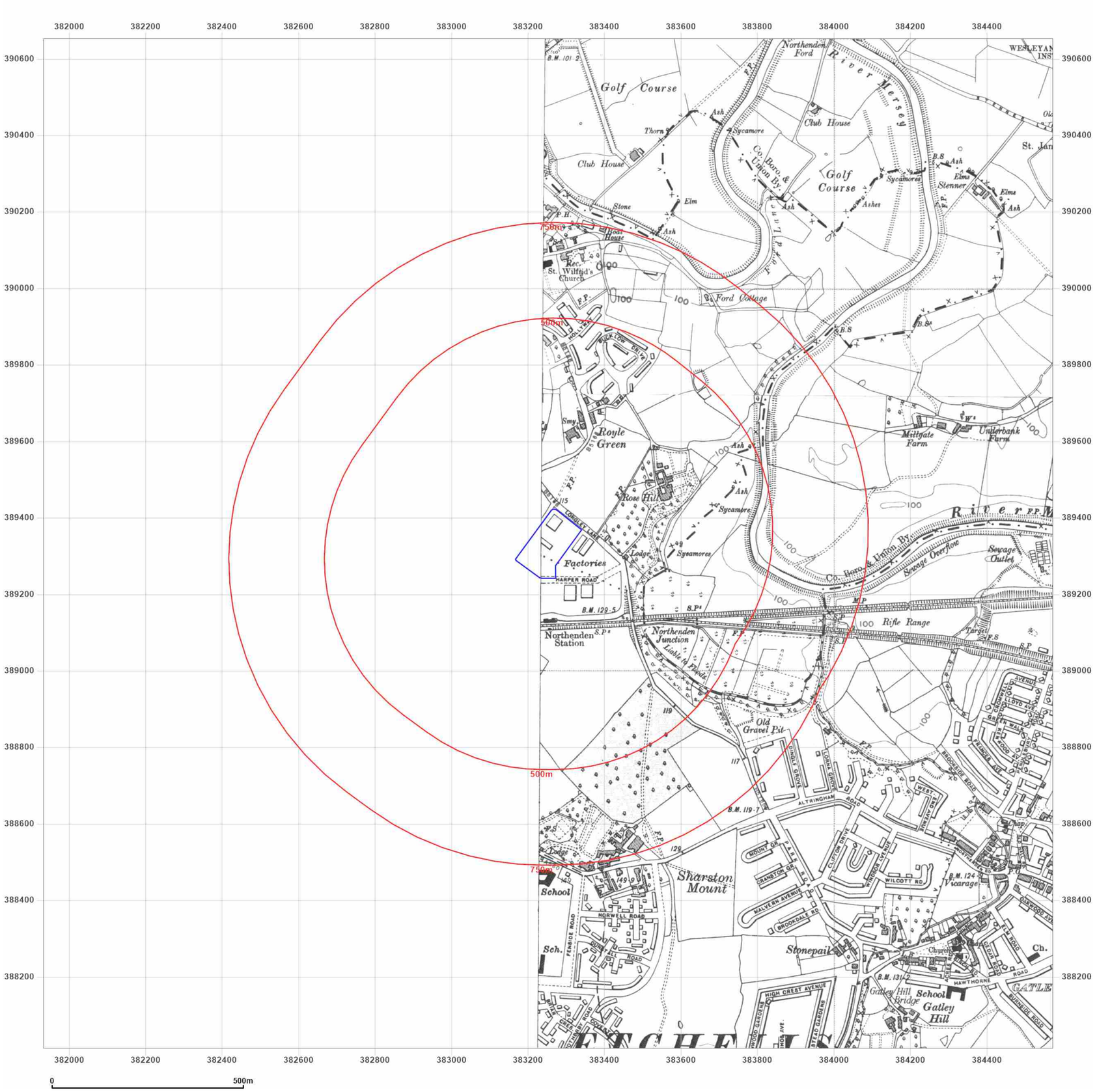
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

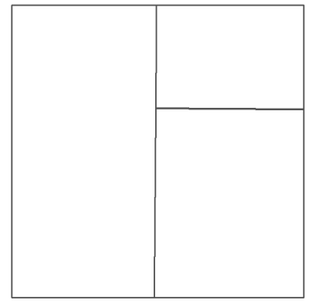
Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S



Surveyed 1872
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: Provisional

Map date: **1954-1955**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed N/A
Revised 1955
Edition 1955
Copyright N/A
Levelled N/A

Surveyed 1949
Revised 1954
Edition N/A
Copyright N/A
Levelled N/A

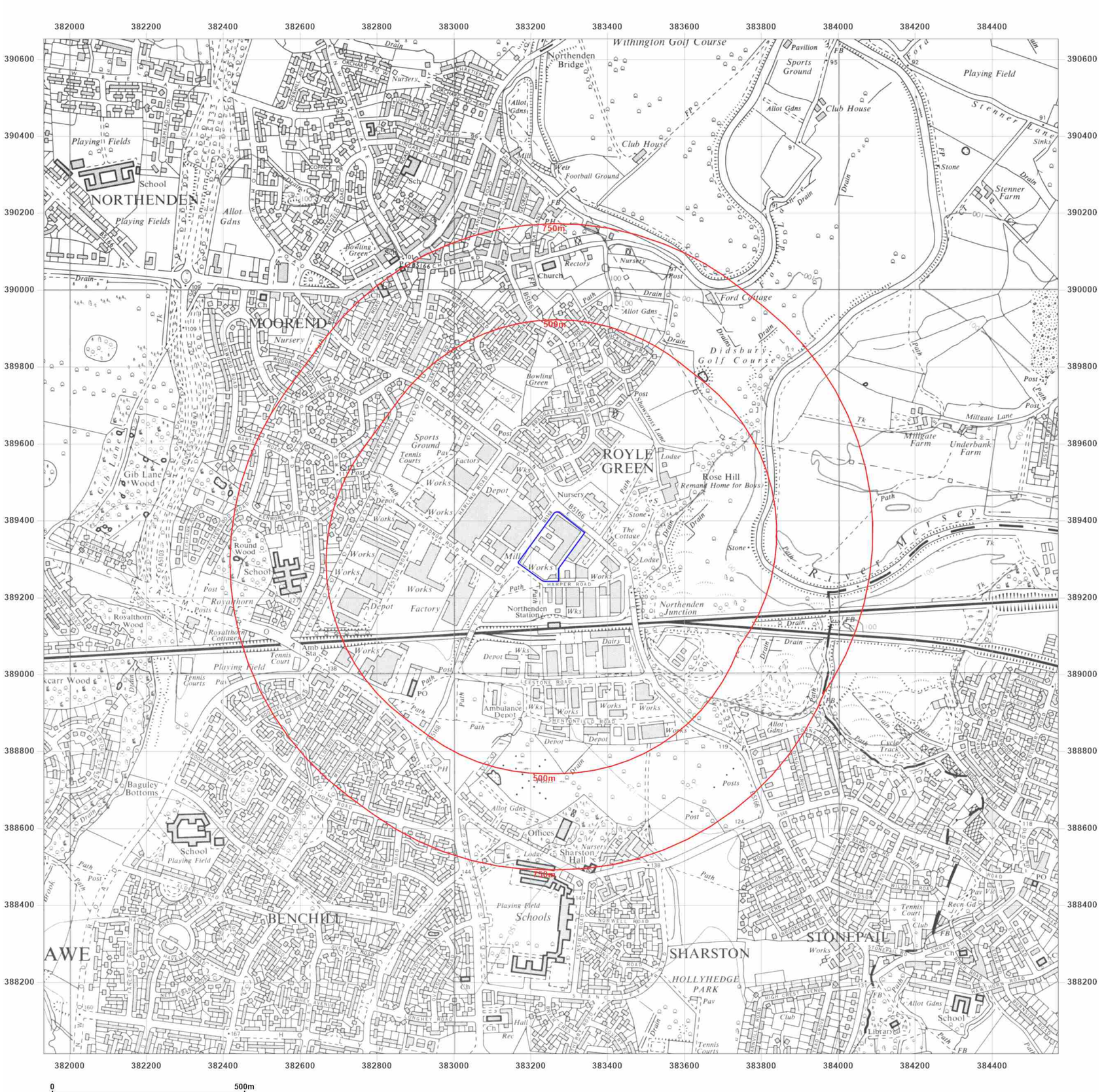
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: Provisional

Map date: **1966-1967**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1966
Revised 1966
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1967
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1977-1981**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1977
Revised 1981
Edition N/A
Copyright 1981
Levelled 1976

Surveyed 1975
Revised 1977
Edition N/A
Copyright 1977
Levelled 1964

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1988-1989**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1985
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1984
Revised 1989
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **1995**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1984
Revised 1995
Edition N/A
Copyright N/A
Levelled N/A

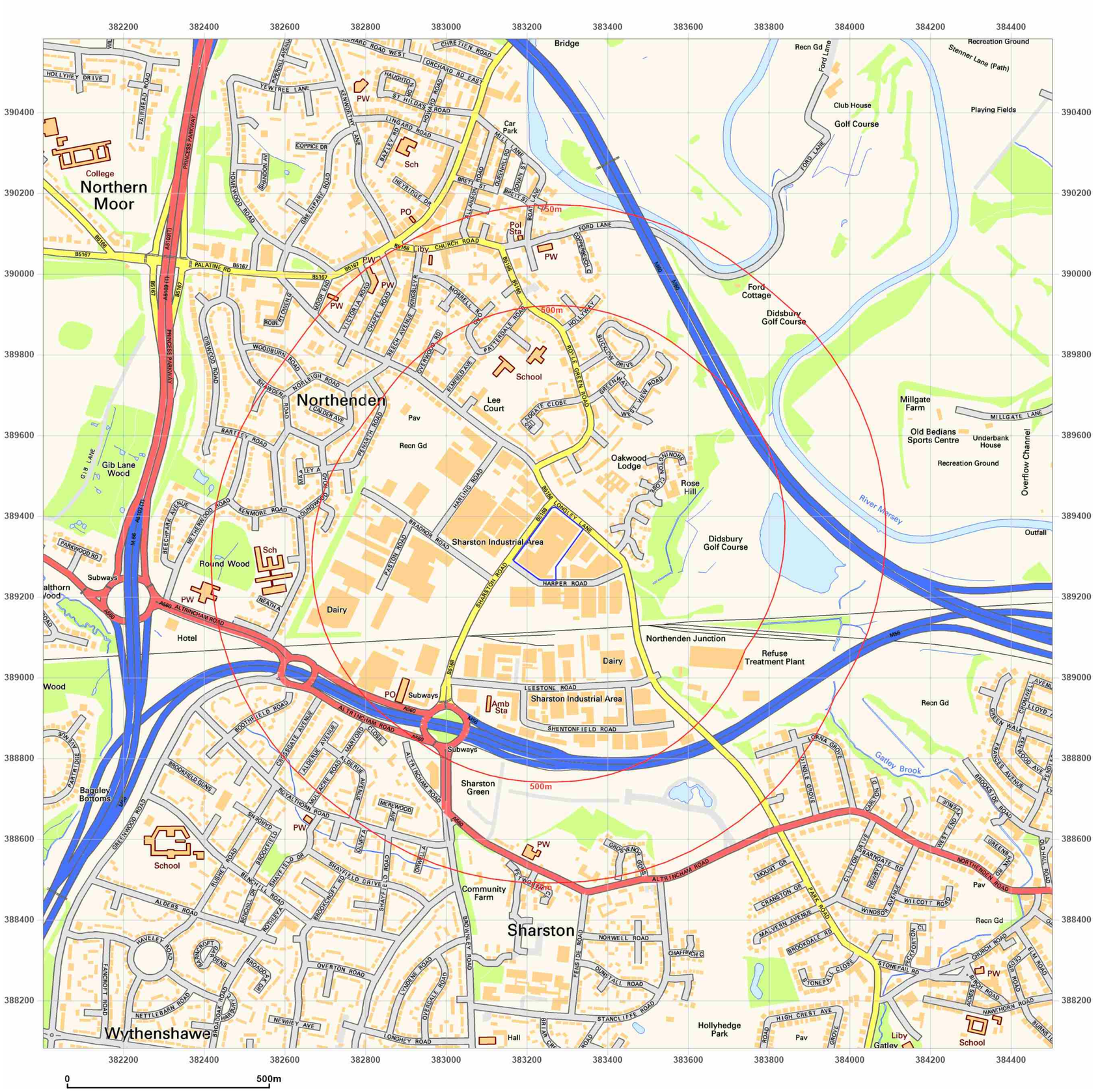
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

2001

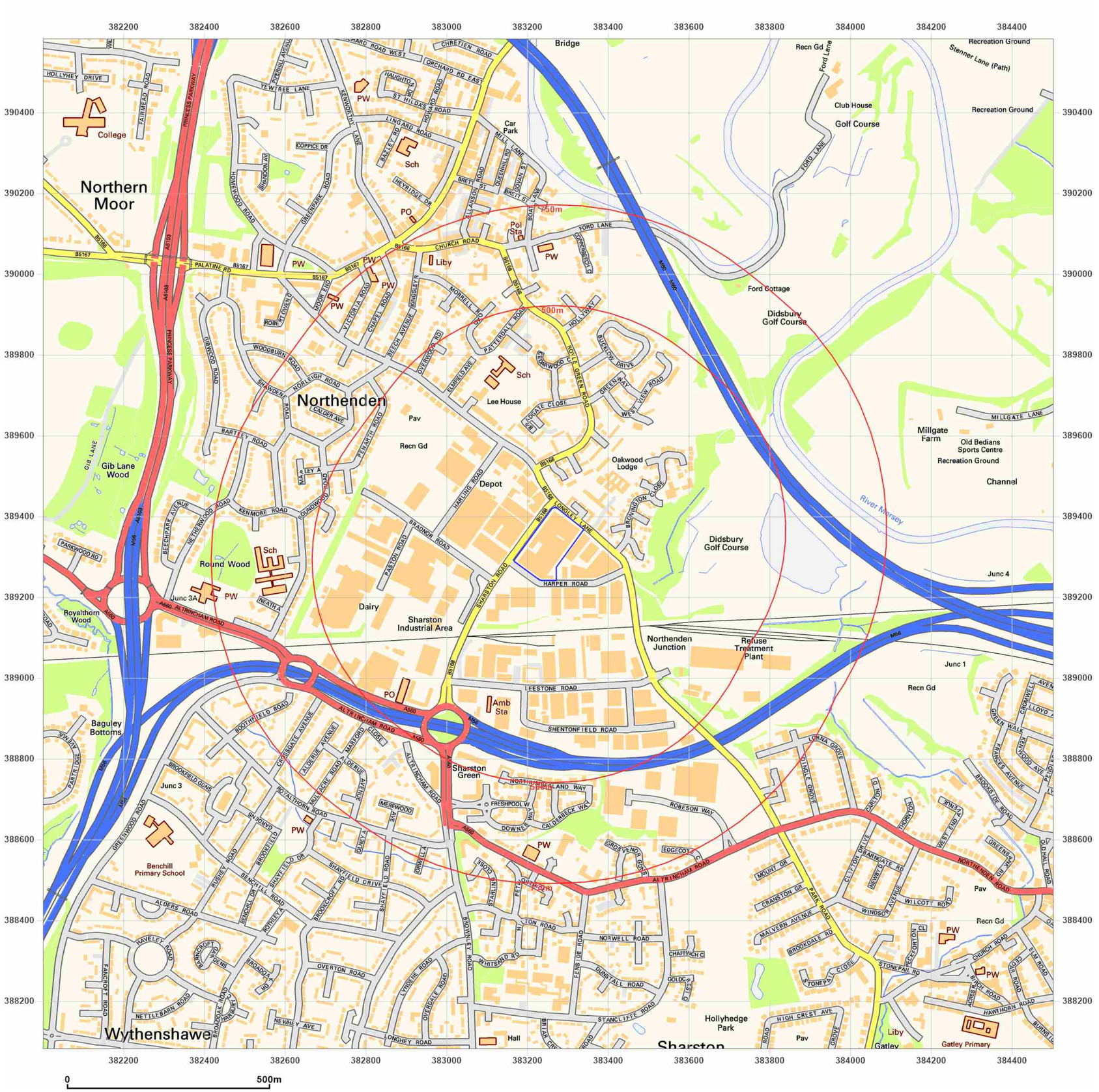
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

2010

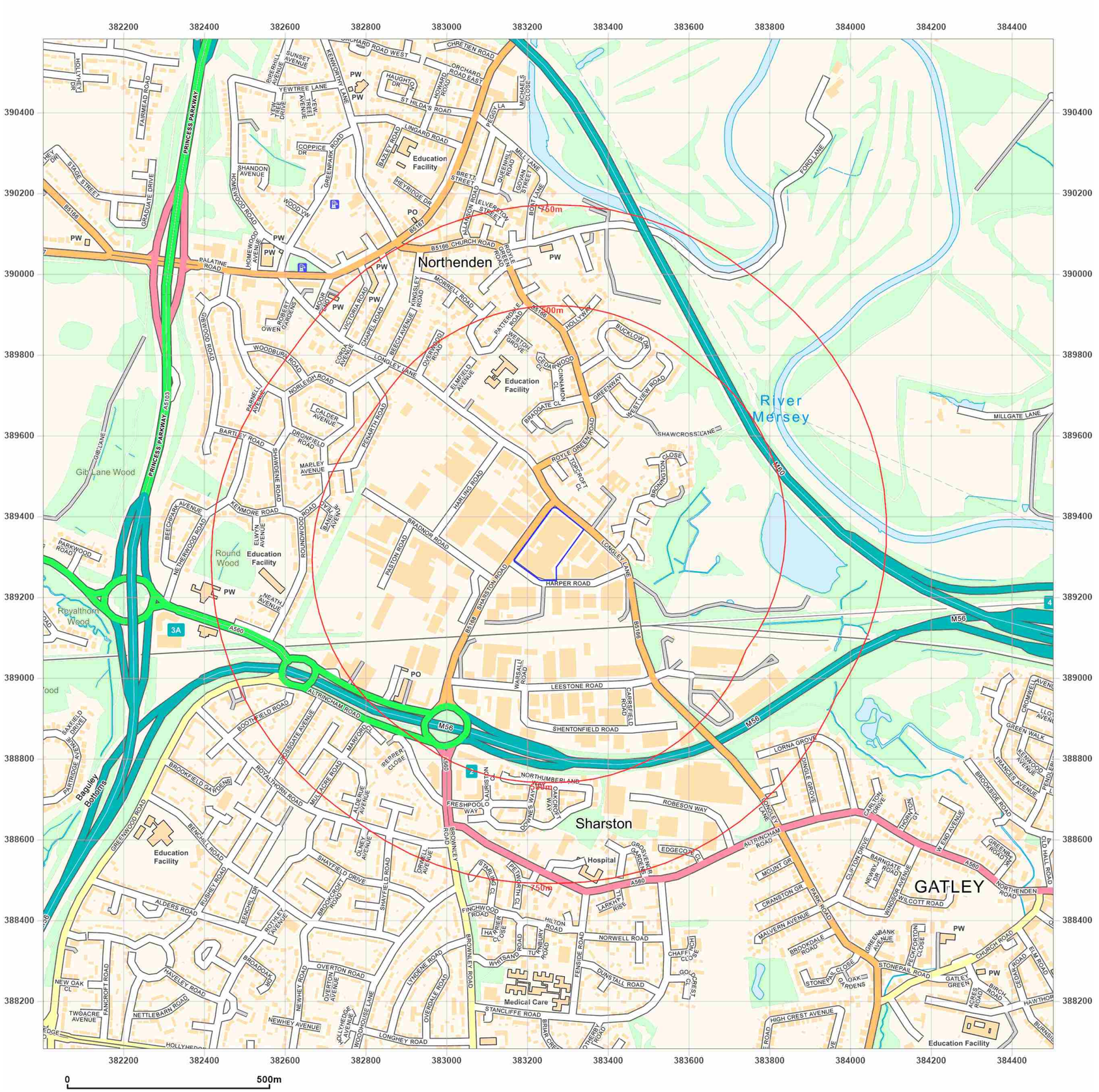
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Groundsure INSIGHTS

Site Details:

Sharston Industrial Estate

Client Ref: PO39144
Report Ref: HYD-13P-VKX-SZ5-SBG
Grid Ref: 383252, 389332

Map Name: National Grid

Map date: **2025**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

2025

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 29 January 2025

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



Preliminary
Unexploded Ordnance (UXO)
Risk Assessment

Project Name	Sharston, Manchester
Client	Hydrock Consultants Ltd
Site Address	1934 Sharston Rd, Wythenshawe, Manchester M22 4RA
Report Reference	PA21131-00
Date	3rd December 2024
Author	LH
Quality Assurance	HW

1st Line Defence
3 Maple Park, Essex Road, Hoddesdon. EN11 0EX
Tel +44 (0) 1992 245 020 Email info@1stlinedefence.co.uk
Web www.1stlinedefence.co.uk Company Reg No. 07717863

1ST LINE DEFENCE

Assessment Objective

This preliminary unexploded ordnance (UXO) risk assessment is a qualitative screening exercise to assess the likely potential of encountering UXO at the Sharston, Manchester site. The assessment involves the consideration of the basic factors that affect the potential for UXO to be present at a site as outlined in Stage One of the UXO risk management process.

Background

This assessment uses the sources of information available in-house to 1st Line Defence Ltd to enable the placement of a development site in context with events that may have led to the presence of German air-delivered or Allied military UXO. The report will identify any immediate necessity for risk mitigation or additional research in the form of a Detailed UXO Risk Assessment. It makes use of 1st Line Defence's extensive historical archives, library and unique geo-databases, as well as internet resources, and is researched and compiled by UXO specialists and graduate researchers.

The assessment directly follows CIRIA C681 guidelines "Unexploded Ordnance, a Guide for the Construction Industry". The document will therefore assess the following factors:

- Basic Site Data
- Previous Military Use
- Indicators of potential aerial delivered UXO threat
- Consideration of any Mitigating Factors
- Extent of Proposed Intrusive Works
- Any requirement for Further Work

It should be noted that the vast majority of construction sites in the UK will have a low or negligible risk of encountering UXO and should be able to be screened out at this preliminary stage. The report is meant as a common sense 'first step' in the UXO risk management process. The content of the report and conclusions drawn are based on basic, preliminary research using the information available to 1st Line Defence at the time this report was produced. It should be noted that the only way to entirely negate risk from UXO to a project would be to support the works proposed with appropriate UXO risk mitigation measures. It is rarely possible to state that there is absolutely 'no' risk from UXO to a project.

Site Boundary



© 1st Line Defence®

Risk Assessment Considerations	
Site location and description/current use	The site is situated within the Sharston Industrial Estate in the Northenden area of Wythenshawe; a southern suburb of Manchester. The site comprises the industrial premises of Siemens comprising a cluster of adjoined warehouses and office buildings. The site is bound to the north by Longley Lane, to the east by industrial premises, to the south by Harper Road, and to the west by Sharston Road. The site is approximately centred on the OS grid reference: **SJ 83255 89331**.
Are there any indicators of current/historical military activity on/close to the site?	In-house records do not indicate that the site footprints had any former military use. No features such as WWII defensive positions, encampments or firing ranges are recorded to have been located at or in the immediate vicinity of the sites. In addition, no information of ordnance being stored, produced, or disposed of within the proposed site boundaries could be found. The closest Heavy Anti-Aircraft (HAA) battery was positioned approximately 2.5km west of the site in the vicinity of Baguley. The range of a fired projectile can be up to 15km. The conditions in which unexploded anti-aircraft ordnance may have fallen unrecorded are generally analogous to that of aerial delivered German bombs.
What was the pre- and post-WWII history of the site?	Pre-WWII historical OS mapping from 1938 shows the site to have been dominated by two industrial premises; the *Wylex Works*, and *Moor End Factory*. A building associated with each is recorded within the site surrounded by open land. The south of the site appears empty. The site is bound north by *Longley Lane*, east by further industrial premises, south by *Harper Road*, and west by *Sharston Road*. Post-war mapping updated in 1953 shows the site as remaining unchanged, with the two industrial premises surviving at their pre-war positions. Further industrial buildings appear within the open land south and west of the site over *Harper Road* and *Sharston Road*. More detailed post-war mapping from 1956 reveals the *Wylex Works* to have made *Electrical Products*, and the *Moor End Factory* to have made *Underwear*.
Was the area subject to bombing during WWII?	During WWII, the site was situated within the County Borough of Manchester, which sustained an overall low density of bombing according to Home Office bombing statistics. The borough comprised 27,255 acres and was subject to 712 high explosive (HE) bomb strikes, 18 parachute mines, seven oil bombs, and one V-1 pilotless aircraft bomb. This totalled 738 items of ordnance, with an average of 27.1 items of ordnance per 1,000 acres. A bomb map held in-house for this area of Manchester's suburbs does not record any bomb strikes as having occurred within the site. However, it does record numerous incendiary bomb strikes at Rose Hill Convalescence House as close as approximately 120m north-east of the site. Another single strike is recorded approximately 250m west of the site, and is recorded as occurring on the 10th October 1940. Its type is unclear but may have been a composite incendiary/high explosive bomb or an unexploded bomb.
Is there any evidence of bomb damage on/close to the site?	There are no obvious changes shown on site when comparing pre- and post-WWII OS mapping which would indicate bomb damage.

© 1st Line Defence®

To what degree would the site have been subject to access?	During WWII, the site was located within a suburban industrial area of Manchester; which likely experienced regular access given that the region was not likely bombed heavily and the industries within/around the site likely continued to function during wartime. This increases the likelihood that signs of UXO would have been noted and investigated.
To what degree has the site been developed post-WWII?	Post-WWII, the site has undergone the expansion of industrial buildings to cover the majority of the site area. However, the original Wylex Works building and a 1934 factory building at the site of the Moor End Factory still at least partially survive at the front of the site.
What is the nature and extent of the intrusive works proposed?	Ground investigation works are proposed for the site including boreholes and window samples to a maximum depth of 10m.

Summary and Conclusions

During WWII, the site comprised the premises of the Wylex Works (electrical products) and Moor End Factory (underwear) in Sharston Industrial Estate, Wythenshawe. It was situated within the County Borough of Manchester, which sustained an overall low density of bombing according to Home Office bombing statistics, with an average of 27.1 items of ordnance falling per 1,000 acres.

Available bomb mapping for this suburban area of Manchester does not record any bomb strikes to have occurred within or bordering the site boundary, with the closest being plotted approximately 120m away. Furthermore, a comparison of pre- and post-WWII OS mapping does not bear obvious signs of structural damage or alteration which might be indicative of bombing activity. The works likely remained operational during wartime, providing the site with a beneficial degree of access.

Recommendations

Given the findings of this preliminary report, the risk from UXO is not considered to be higher than the 'background' level of risk of UXO contamination in this part of the UK. Whilst it would be possible to conduct a Detailed UXO Risk Assessment for this site, it is not anticipated that any further findings would significantly alter the risk of encountering unexploded ordnance within the site. It is therefore recommended that **no further action** is taken.

If the client has any anecdotal or empirical evidence of UXO risk on site, please contact 1st Line Defence.

It should be noted that although the risk from unexploded ordnance on this site has been assessed as low/minimal, this does not mean there is 'no' risk of encountering UXO. This preliminary report has been undertaken with due diligence, and all reasonable care has been taken to access and analyse relevant historical information. By necessity, when dealing with historical evidence, and when making assessments of UXO risk, various assumptions have to be made which we have discussed and justified within this report. Our reports take a common-sense and practical approach to the assessment of UXO risk, and we strive to be reasonable and pragmatic in our conclusions. As referenced, it would be possible to undertake further research into this site, but based on the evidence to hand, this is not deemed strictly necessary, and no reasonably justifiable requirement for proactive on-site mitigation has been identified.

It should however be stressed that if any suspect items are encountered during the proposed works, 1st Line Defence should be contacted for advice/assistance, and to re-assess the risk as necessary. Furthermore, we would recommend that ground personnel are always made aware of the potential for encountering UXO, what to look out for and what to do in the unlikely event that a suspect item is encountered, and that a UXO Risk Management Plan is put together for the proposed works. We would be happy to provide a template and guidance for this – contact us on 01992 245020. Should the scope of works change or additional works be proposed, 1st Line Defence should be contacted to re-evaluate the risk.

© 1st Line Defence®

This report has been prepared by 1st Line Defence Limited with all reasonable care and skill. The report contains historical data and information from third party sources. 1st Line Defence Limited has sought to verify the accuracy and comprehensiveness of this information where possible but cannot be held accountable for any inherent errors. Furthermore, whilst every reasonable effort has been made to locate and access all relevant historical information, 1st Line Defence cannot be held responsible for any changes to risk level or mitigation recommendations resulting from documentation or other information which may come to light at a later date.

This report was written by, is owned by and is copyrighted to 1st Line Defence Limited. It contains important 1st Line Defence information which is disclosed only for the purposes of the client's evaluation and assessment of the project to which the report is about. The contents of this report shall not, in whole or in part be used for any other purpose apart from the assessment and evaluation of the project; be relied upon in any way by the person other than the client, be disclosed to any affiliate of the client's company who is not required to know such information, nor to any third party person, organisation or government, be copied or stored in any retrieval system, be reproduced or transmitted in any form by photocopying or any optical, electronic, mechanical or other means, without prior written consent of the Managing Director, 1st Line Defence Limited, Unit 3, Maple Park, Essex Road, Hoddesdon EN11 0EX. Accordingly, no responsibility or liability is accepted by 1st Line Defence towards any other person in respect of the use of this report or reliance on the information contained within it, except as may be designated by law for any matter outside the scope of this report.

1st Line Defence

Unit 3, Maple Park
Essex Road, Hoddesdon
Hertfordshire EN11 0EX

Call +44 (0) 1992 245 020
Email info@1stlinedefence.co.uk
Web www.1stlinedefence.co.uk

1ST LINE DEFENCE

Front cover image credit: London County Council Bomb Damage Mapping (London Metropolitan Archives)

Appendix C Exploratory hole logs and photographs

Exploratory hole logs

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
CP101
Page No. 1 of 1

Method: Cable Percussion	Date(s): 10/12/2024 - 11/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383270.47, 389418.57	Checked By: MG	Flush:
Hydrock Project No: 35838	Ground Level: 35.12m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Black ASPHALT.	0.10	(0.10)	35.02		
0.20	PID	1.0ppm		(HARDSTANDING)	0.30	(0.20)	34.82		
0.30	B			Red very angular fine to coarse GRAVEL of brick with a medium cobble content of brick.					
0.30 - 0.40	ES			(MADE GROUND)	0.60	(0.30)	34.52		
0.30 - 0.60	B			Firm brown gravelly CLAY with rootlets. Gravel is very angular fine to coarse of brick.	0.80	(0.20)	34.32		
0.40	PID	0.9ppm		(MADE GROUND)					
0.40	PID	0.9ppm		Firm brown slightly sandy slightly gravelly CLAY with rootlets. Gravel is angular fine of coal.					
0.80 - 0.90	ES			(MADE GROUND)					
0.90	PID	0.9ppm		Medium dense becoming dense orangish brown gravelly fine to medium SAND. Gravel is subrounded and rounded fine to coarse of mixed lithologies including sandstone,mudstone and quartz.					
1.20	SPT	N=17 (2,2,3,6,4,4)		(GLACIOFLUVIAL SHEET DEPOSITS)					
2.00	SPT	N=32 (4,7,7,7,7,11)				(3.10)			
2.00	B								
2.00 - 2.45	B								
2.30	ES								
3.50	PID	0.8ppm			3.90		31.22		
4.00	U			Stiff dark brown slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz.					
4.00 - 4.45	U			(GLACIAL TILL - COHESIVE)					
5.00	SPT	N=17 (2,3,3,4,4,6)							
6.00	PID	0.6ppm							
6.50	SPT	N=25 (2,3,4,5,8,8)				(5.10)			
8.00	U								
8.00 - 8.45	U								
8.00	PID	1.1ppm			9.00		26.12		
9.50	SPT	N=20 (3,3,3,5,5,7)		Medium dense orangish brown very gravelly fine to coarse SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz.					
9.50	EW			(GLACIAL TILL - GRANULAR)		(1.00)			
				End of Borehole at 10.00m	10.00		25.12		

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Cable Percussive drilling from 1.2m to 10m bgl. 3. Complete at 10m bgl and installed with a response zone between 9m and 10m bgl. 3. Groundwater encountered at 9m bgl. 4. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
CP102
Page No. 1 of 1

Method: Cable Percussion	Date(s): 11/12/2024 - 12/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383226.45, 389364.39	Checked By: MG	Flush:
Hydrock Project No: 35838	Ground Level: 35.28m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Black asphalt.	0.05	(0.05)	35.23		
0.20	PID	0.1ppm		(HARDSTANDING)	0.20	(0.15)	35.08		
				Black ashy sandy subangular fine and medium GRAVEL of mixed lithologies including asphalt, limestone, ash and clinker. (MADE GROUND)	0.50	(0.30)	34.78		
0.50	B								
0.50 - 0.80	B								
0.60	ES			Light brown sandy angular and subangular fine to coarse GRAVEL of limestone and brick. (MADE GROUND)	0.80	(0.30)	34.48		
0.60	PID	0.2ppm							
1.10	PID	0.2ppm			1				
1.20	SPT	N=16 (3,3,3,3,6,4)		Firm brown slightly sandy gravelly CLAY. Gravel is subangular to subrounded fine to coarse of mixed lithologies including limestone, brick and rare coal. (MADE GROUND)					
1.20	PID	0.2ppm		Medium dense orangish brown gravelly fine to medium SAND. Gravel is subrounded to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)					
2.00	SPT	N=27 (8,8,10,7,7,3)			2	(2.80)			
2.00	PID	0.2ppm							
3.00	SPT	N=20 (10,5,5,6,5,4)			3				
3.00	PID	0.1ppm							
					3.60		31.68		
				Stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded fine of mixed lithologies including sandstone, mudstone and quartz. (GLACIAL TILL - COHESIVE)					
4.00	U				4				
4.00 - 4.45	U								
5.00	SPT	N=17 (2,3,4,4,4,5)			5				
5.00	B								
5.00	ES								
5.00 - 5.45	B								
5.00	PID	0.1ppm							
6.00	PID	0.2ppm			6				
6.50	SPT	N=19 (1,3,3,4,5,7)				(5.70)			
					7				
					8				
8.00	SPT	N=33 (4,4,5,8,9,11)							
8.00	PID	0.2ppm							
					9				
					9.30		25.98		
9.50	SPT	N=27 (3,4,5,6,7,9)		Dense organish brown fine to coarse SAND. (GLACIAL TILL - GRANULAR)	9.60	(0.30)	25.68		
9.50	EW			Stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded fine of mixed lithologies including sandstone, mudstone and quartz. (GLACIAL TILL - GRANULAR)	10.00	(0.40)	25.28		
				End of Borehole at 10.00m	10				

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Cable Percussive drilling from 1.2m to 10m bgl. 3. Complete at 10m bgl and installed with a response zone between 9m and 10m bgl. 3. Groundwater encountered at 9.3m bgl. 4. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
CP103
Page No. 1 of 1

Method: Cable Percussion	Date(s): 09/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383322.69, 389349.29	Checked By: MG	Flush:
Hydrock Project No: 35838	Ground Level: 35.03m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Light grey CONCRETE. (HARDSTANDING)	0.17	(0.17)	34.86		
0.30	B			Reddish brown slightly clayey slightly sandy angular fine to coarse GRAVEL of brick and rare mortar and clinker with a medium cobble content of brick. (MADE GROUND)	0.30	(0.13)	34.73		
0.30 - 0.40	ES				0.40	(0.10)	34.63		
0.30 - 0.60	B				0.70	(0.30)	34.33		
0.30	PID	0.6ppm		Firm brown slightly sandy slightly gravelly CLAY. Gravel is subangular fine to coarse of brick, quartz, sandstone and coal. (MADE GROUND)	1				
0.40	PID	0.8ppm							
0.50 - 0.60	ES			Orangish brown slightly gravelly clayey fine to medium SAND. Gravel is subrounded fine to coarse of sandstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)					
0.50	PID	0.8ppm							
0.80	PID	0.6ppm							
1.20	SPT	N=7 (1,1,1,1,2,3)		Loose becoming medium dense orangish brown very gravelly fine to coarse SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)					
1.20	B								
1.20	ES								
1.20 - 1.65	B								
1.50	PID	0.8ppm			2	(2.60)			
2.00	SPT	N=21 (3,3,4,4,5,8)							
2.50	PID	1.4ppm							
3.00	SPT	N=10 (2,2,1,2,3,4)			3				
					3.30		31.73		
				Stiff dark brown slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIAL TILL - COHESIVE)					
4.00	U				4				
5.00	SPT	N=16 (2,2,3,3,4,6)			5				
6.00	U				6	(5.40)			
6.00 - 6.95	U								
					7				
8.00	SPT	N=36 (3,4,6,8,10,12)			8				
					8.70		26.33		
				Medium dense orangish brown very gravelly fine to coarse SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIAL TILL - GRANULAR)	9				
9.50	SPT	N=24 (2,5,3,6,7,8)				(1.30)			
9.50	EW								
9.80	SPT	N=17 (2,2,2,4,5,6)							
				End of Borehole at 10.00m	10				
					10.00		25.03		

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Cable Percussive drilling from 1.2m to 10m bgl. 3. Complete at 10m bgl and installed with a response zone between 9m and 10m bgl. 3. Groundwater encountered at 8.7m bgl. 4. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston	Borehole No CP104 Page No. 1 of 1

Method: Cable Percussion	Date(s): 09/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383284.14, 389295.61	Checked By: MG	Flush:
Hydrock Project No: 35838	Ground Level: 35.11m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
0.40 - 0.50 0.40	ES PID	1.4ppm		Light grey CONCRETE. (HARDSTANDING)	0.17	(0.17)	34.94		
				Dark grey ashy sandy angular to subrounded fine to coarse GRAVEL of brick, clinker, concrete and natural lithologies with medium cobble content of brick and rare concrete with boulders of brick and concrete. (MADE GROUND)	0.50	(0.33)	34.61		
				End of Borehole at 0.50m					

1 2 3 4 5 6 7 8 9 10

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1. Hand dug pit to 0.5m bgl. 2. Terminated at 0.5m bgl on concrete obstruction and suspected service.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston	Borehole No CP104A Page No. 1 of 1

Method: Cable Percussion	Date(s): 16/12/2024		
Client: Kier Property Ltd	Co-ords: 383285.09, 389300.53	Checked By: MG	Flush:
Hydrock Project No: 35838			Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Light grey CONCRETE. (HARDSTANDING)	0.17	(0.17)			
				Dark grey ashy sandy angular to subrounded fine to coarse GRAVEL of brick, clinker, concrete and natural lithologies with high cobble content of brick and rare concrete with boulders of brick and concrete. (MADE GROUND)	0.55	(0.38)			
				End of Borehole at 0.55m					

1 2 3 4 5 6 7 8 9 10

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1. Hand dug pit to 0.55m bgl. 2. Terminated at 0.55m bgl on brick obstruction and suspected service.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
CP105
Page No. 1 of 1

Method: Cable Percussion	Date(s): 12/12/2024 - 13/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383202.64, 389269.64	Checked By: MG	Flush:
Hydrock Project No: 35838	Ground Level: 34.99m OD		Scale: 1:50

Samples / Tests			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Depth (m)	Type	Results							
				Light grey CONCRETE.	0.15	(0.15)	34.84		
				(HARDSTANDING)	0.20	(0.05)	34.79		
0.30 - 0.40	ES			Light brown sandy fine to coarse GRAVEL of limestone.					
0.30	PID	0.3ppm		(MADE GROUND)	0.50	(0.30)	34.49		
0.50 - 0.60	ES			Dark grey slightly sandy gravelly CLAY. Gravel is angular and subangular fine to coarse of mixed lithologies including sandstone, limestone, brick and concrete.					
0.50	PID	0.4ppm			0.70	(0.20)	34.29		
1.00	ES			(MADE GROUND)	1				
1.20	SPT	N=21 (4,4,4,4,7,6)		Soft brown sandy CLAY. (GLACIOFLUVIAL SHEET DEPOSITS - COHESIVE)					
1.20	B			Medium dense orangish brown gravelly fine to medium SAND. Gravel is subrounded to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)					
1.20 - 1.65	B								
2.00	SPT	N=40 (5,9,9,10,10,11)			2	(2.70)			
3.00	SPT	N=15 (2,3,3,3,4,5)			3				
3.00	PID	0.5ppm							
3.50	D								
3.50	D								
				Stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded fine of mixed lithologies including sandstone, mudstone and quartz. (GLACIAL TILL - COHESIVE)	3.40		31.59		
4.00	U				4	(2.10)			
4.00 - 4.45	U								
5.00	SPT	N=26 (3,4,5,5,7,9)			5				
5.00	PID	0.6ppm							
					5.50		29.49		
				Medium dense organish brown fine to coarse SAND. (GLACIAL TILL - GRANULAR)	5.80	(0.30)	29.19		
6.00	PID	0.4ppm		Stiff brown slightly sandy slightly gravelly CLAY. Gravel is subangular to rounded fine of mixed lithologies including sandstone, mudstone and quartz. (GLACIAL TILL - COHESIVE)	6	(0.50)			
					6.30		28.69		
6.50	SPT	N=48 (4,5,10,12,12,14)		Dense organish brown fine to coarse SAND. (GLACIAL TILL - GRANULAR)	7	(2.70)			
8.00	SPT	N=48 (4,5,10,12,12,14)			8				
8.00	EW								
					9.00		25.99		
9.00	PID	0.4ppm		Dense orangish brown gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIAL TILL - GRANULAR)	9				
9.50	SPT	N=33 (3,4,7,8,8,10)				(1.00)			
				End of Borehole at 10.00m	10		24.99		

Progress and Observations

Rig	Date	Time	Borehole Depth (m)	Casing Depth (m)	Casing Diam.(mm)	Water Depth (m)	Flush Type	Returns (colour)

Chiselling

From (m)	To (m)	Duration (HH:MM)

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Cable Percussive drilling from 1.2m to 10m bgl. 3. Complete at 10m bgl and installed with a response zone between 6.5m and 9.5m bgl. 3. Groundwater encountered at 5.5m bgl. 4. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS101
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 17/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383300.41, 389396.28	Checked By: MG	Rig:
Hydrock Project No: 35838	Ground Level: 35.18m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.10 - 0.20	ES			Dark grey ASPHALT (HARDSTANDING)	0.05	(0.05)	35.13		
			0.20	PID	0.1ppm		Red sandy angular fine to coarse GRAVEL of brick with a high cobble content of brick. (MADE GROUND)	0.20	(0.15)	34.98		
			0.30 - 0.40	ES			Dark brown clayey gravelly fine and medium SAND with occasional rootlets. Gravel is subangular to subrounded fine and medium of mixed lithologies including sandstone, brick, asphalt and clinker. (MADE GROUND)	0.50	(0.30)	34.68		
			0.40	PID	0.6ppm		Dark orangish brown clayey gravelly fine and medium SAND with roots and rootlets. Gravel is subrounded and rounded fine and medium of sandstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)	0.80	(0.30)	34.38		
			0.50 - 0.60	ES			Medium dense orangish brown gravelly fine to medium SAND. Gravel is subrounded to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)					
			0.60	PID	0.9ppm							
			1.20	SPT	N=13 (2,2,3,3,3,4)							
			1.20	PID	0.5ppm				(1.20)			
			1.80	PID								
			2.00	SPT	50/225mm (10,14,20,18,12)		End of Borehole at 2.00m	2.00		33.18		

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m to 2m bgl. 3. Terminated at 2m bgl on refusal of SPT and installed with a response zone between 1m and 2m bgl. 4. No groundwater encountered. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS102
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 12/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383263.23, 389382.59	Checked By: MG	Rig: Archway Dart
Hydrock Project No: 35838			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
							Light grey CONCRETE. (HARDSTANDING)	0.19	(0.19)			
			0.30 - 0.40	ES			Red angular cobbles of BRICK. (MADE GROUND)	0.29	(0.10)			
			0.40	PID	0.6ppm		Dark brown slightly clayey gravelly fine and medium SAND. Gravel is angular fine to coarse of brick. (MADE GROUND)	0.50	(0.21)			
			0.50 - 0.60	ES			Medium dense dark brown gravelly medium and coarse SAND. Gravel is subangular rounded fine to coarse of mixed lithologies including quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)					
			0.80	PID	0.6ppm							
			1.20	SPT	N=15 (2,3,4,4,3,4)							
			1.40	PID	0.8ppm		*... Between 1.50m and 1.60m bgl: SAND is light grey.*		(2.50)			
			2.00	SPT	N=42 (11,10,10,7,12,13)							
			2.60	PID	0.9ppm							
			3.00	SPT	N=13 (2,2,2,3,4,4)		Firm dark brown CLAY. (GLACIAL TILL - COHESIVE)	3.00	(0.45)			
							End of Borehole at 3.45m	3.45				

General Remarks:
1. Hand dug pit to 1.2m bgl. 2 Windowless sample drilling from 1.2m to 3.45m bgl. 3. Terminated at 3m due to continuous collapse and installed with a response zone between 1m and 3m bgl. 4. Groundwater encountered at 3m bgl. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS103
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 12/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383290.32, 389382.09	Checked By: MG	Rig: Archway Dart
Hydrock Project No: 35838			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
							Light grey CONCRETE. (HARDSTANDING)	0.19	(0.19)			
			0.30	PID	2.8ppm		Brown gravelly fine and medium SAND. Gravel is very angular and angular fine to coarse of brick and concrete. (MADE GROUND)	0.30	(0.11)			
			0.40 - 0.50	ES			Dark orangish brown gravelly fine and medium SAND with small lenses of soft dark brown clay. Gravel is angular fine to coarse of mixed lithologies including brick, concrete, mudstone and rare coal. (MADE GROUND)	0.80	(0.50)			
			0.80	PID	5.6ppm		Medium dense dark orangish brown gravelly fine and medium SAND with small lenses of soft dark brown clay. Gravel is angular to subrounded fine to coarse of mixed lithologies including mudstone, quartz and sandstone. (GLACIOFLUVIAL SHEET DEPOSITS)	1				
			1.20	SPT	N=10 (1,1,2,2,3,3)				(0.70)			
			1.40 - 1.50	ES				1.50				
			1.50	PID	0.5ppm		Medium dense orangish brown slightly clayey fine and medium SAND. (GLACIOFLUVIAL SHEET DEPOSITS)	1.70	(0.20)			
			2.00	SPT	N=50 (10,10,10,10,15, 15)		Dense orangish brown gravelly fine to medium SAND. Gravel is subrounded fine to coarse of quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	2	(1.10)			
			2.60	EW								
			2.70	PID	1.3ppm			2.80				
			2.80 - 2.90	ES			Medium dense dark brown gravelly medium and coarse SAND. Gravel is subrounded and rounded fine to coarse of mixed lithologies including quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	3	(0.20)			
			3.00	SPT	N=11 (4,2,1,3,4,3)			3.00				
			3.10	PID	1.2ppm		Firm dark brown slightly gravelly CLAY. Gravel is rounded fine of quartz. (GLACIAL TILL - COHESIVE)		(0.50)			
			3.50	SPT	N=10 (1,1,2,2,3,3)		End of Borehole at 3.50m	3.50				
								4				
								5				
								6				

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m to 3.5m bgl. 3. Terminated at 3.5m bgl due to poor recovery and continous collapse. 4. Installed with a response zone between 1m and 3m bgl. 5. Groundwater encountered at 2.80m bgl. 6. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS104
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 17/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383331.94, 389372.40	Checked By: MG	Rig: Archway Dart
Hydrock Project No: 35838	Ground Level: 35.27m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20	B			Black ASPHALT. (HARDSTANDING)	0.07	(0.07)	35.20		
			0.20 - 0.50	B			Dark grey ashy subangular fine to coarse GRAVEL of asphalt, clinker and rare brick. (MADE GROUND)	0.15	(0.08)	35.12		
			0.40 - 0.50	ES			Red sandy angular fine to coarse GRAVEL of brick with a high cobble content of brick. (MADE GROUND)	0.25	(0.10)	35.02		
			0.40	PID	0.6ppm		Dark brown slightly gravelly sandy CLAY with occasional rootlets. Gravel is angular to subrounded fine and medium of mixed lithologies including brick, asphalt, sandstone and rare clinker. (MADE GROUND)	0.60	(0.35)	34.67		
			1.00 - 1.10	ES			Dark orangish brown slightly gravelly fine and medium SAND with pockets of soft brown clay. Gravel is subrounded and rounded fine to coarse of sandstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)	1.00	(0.40)	34.27		
			1.00	PID	0.5ppm							
			1.20	SPT	N=19 (3,4,4,5,5,5)							
			1.20	B			Medium dense becoming dense orangish brown gravelly fine to medium SAND. Gravel is subrounded to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)					
			1.20 - 3.00	B								
			1.50	PID	0.2ppm							
			2.00	SPT	N=35 (4,5,7,8,9,11)				(2.00)			
			2.50	PID	0.4ppm							
			2.80	EW								
			3.00	SPT	N=14 (11,2,3,3,4,4)		Firm dark brown slightly gravelly CLAY. Gravel is angular to rounded fine of mixed lithologies including sandstone, mudstone and quartz. (GLACIAL TILL - COHESIVE)	3.00		32.27		
			3.50	PID	0.2ppm							
			4.00	SPT	N=12 (2,2,2,3,3,4)				(2.00)			
			4.50	PID	0.3ppm							
			5.00	SPT	N=14 (3,3,3,4,4,3)		End of Borehole at 5.00m	5.00		30.27		

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m to 5m bgl. 3. Complete at 5m bgl and installed with a response zone between 1m and 3m bgl. 4. No groundwater encountered. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS105
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 11/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383274.06, 389358.90	Checked By: MG	Rig: Archway Dart
Hydrock Project No: 35838			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
							Light grey CONCRETE. (HARDSTANDING)	0.20	(0.20)			
			0.30 - 0.50	ES			Dark grey slightly ashy slightly clayey sandy angular and subangular fine to coarse GRAVEL of limestone and clinker with low cobble content of limestone. (MADE GROUND)	0.50	(0.30)			
			0.30	PID	1.0ppm							
			0.50	PID	0.9ppm		Dark organish brown slightly gravelly fine and medium SAND. Gravel is subrounded fine to coarse of quartz and sandstone. (GLACIOFLUVIAL SHEET DEPOSITS)	1.00	(0.50)			
			0.70	B								
			0.70	ES								
			0.70 - 1.00	B								
			1.00	PID	0.7ppm							
			1.20	SPT	N=18 (2,2,3,4,5,6)		Medium dense light brown slightly gravelly fine and medium SAND. Gravel is subrounded fine to coarse of quartz and sandstone. (GLACIOFLUVIAL SHEET DEPOSITS)	1.70	(0.70)			
			1.70	PID	0.9ppm							
			2.00	SPT	N=40 (8,11,11,10,10,9)		Dense dark organish brown slightly gravelly fine and medium SAND. Gravel is subrounded fine to coarse of quartz and sandstone. (GLACIOFLUVIAL SHEET DEPOSITS)	2.80	(1.10)			
			2.50	PID	0.6ppm							
			2.60	EW								
			2.80	PID	0.4ppm	▼						
			3.00	SPT	N=6 (3,4,2,2,1,1)		Loose dark very gravelly medium and coarse SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including mudstone, sandstone and rare quartz. (GLACIOFLUVIAL SHEET DEPOSITS)	3.50	(0.70)			
			3.00	D								
			3.00 - 3.50	D								
			3.40	PID	0.8ppm							
			4.00	SPT	N=6 (1,1,1,1,2,2)		Soft dark brown CLAY. (GLACIAL TILL - COHESIVE)	4.00	(0.50)			
							End of Borehole at 4.00m					

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m to 4m bgl. 3. Complete at 4m bgl and installed with a response zone between 1m and 3m bgl. 4. Groundwater encountered at 2.7m bgl. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS106
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 11/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383259.07, 389351.35	Checked By: MG	Rig: Archway Dart
Hydrock Project No: 35838			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
							Light grey CONCRETE. (HARDSTANDING)	0.15	(0.15)			
			0.20	PID	0.9ppm		Brown sandy angular fine to coarse GRAVEL of limestone. (MADE GROUND)	0.50	(0.35)			
			0.60	PID	0.8ppm		Medium dense orangish brown gravelly fine and medium SAND. Gravel is subrounded and rounded fine to coarse of mixed lithologies including quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)					
			1.20	SPT	N=18 (3,5,5,5,4,4)				(1.50)			
			1.50	PID	0.1ppm							
			2.00	SPT	50/210mm (10,15,18,18,14)		End of Borehole at 2.00m	2.00				

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m to 2m bgl. 3. Terminated at 2m bgl on refusal of SPT and installed with a response zone between 1m and 2m bgl. 4. No groundwater encountered. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS107
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 12/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383242.69, 389336.10	Checked By: MG	Rig: Archway Dart
Hydrock Project No: 35838			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
							Light grey CONCRETE. (HARDSTANDING)	0.20	(0.20)			
			0.20 - 0.30	ES			Light brown slightly sandy angular fine to coarse GRAVEL of limestone. (MADE GROUND)	0.30	(0.10)			
			0.20	PID	0.5ppm		Medium dense orangish brown gravelly fine and medium SAND. Gravel is subrounded and rounded fine to coarse of mixed lithologies including quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)		(0.90)			
			0.35	ES								
			0.50 - 0.60	ES								
			0.50	PID	0.5ppm							
			0.80	B								
			0.80 - 1.20	B				1				
			1.20	SPT	N=21 (5,3,5,5,5,6)		Medium dense light grey gravelly fine and medium SAND with a low cobble content. Gravel is subrounded and rounded fine to coarse of mixed lithologies including quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	1.20	(0.20)			
			1.50	PID	0.4ppm		Medium dense orangish brown gravelly fine and medium SAND with a low cobble content. Gravel is subrounded and rounded fine to coarse of mixed lithologies including quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	1.40	(1.10)			
			2.00	SPT	N=24 (5,5,4,5,6,9)			2				
			2.60	PID	0.8ppm		Medium dense dark brown gravelly medium and coarse SAND. Gravel is subrounded and rounded fine to coarse of mixed lithologies including quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	2.50	(0.50)			
			2.80	EW								
			3.00	SPT	N=8 (2,2,2,2,2,2)		Loose dark brown medium to coarse SAND. (GLACIOFLUVIAL SHEET DEPOSITS)	3.00	(0.50)			
			3.30	PID	0.5ppm							
			3.50	SPT	N=12 (1,1,2,2,4,4)		Firm dark brown CLAY. (GLACIAL TILL - COHESIVE)	3.50	(0.20)			
							End of Borehole at 3.70m	3.70				
								4				
								5				
								6				

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m to 3.7m bgl. 3. Terminated at 3.7m bgl due to poor recovery and continous collapse. 4. Installed with a response zone between 1m and 3m bgl. 5. Groundwater encountered at 2.5m bgl. 6. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS108
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 11/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383281.37, 389330.81	Checked By: MG	Rig: Archway Dart
Hydrock Project No: 35838			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
							Light grey CONCRETE. (HARDSTANDING)	0.15	(0.15)			
			0.30 - 0.40	ES			Dark grey slightly ashy sandy angular to subangular fine to coarse GRAVEL of brick, asphalt, ceramics, sandstone and rare plastic with a low cobble and boulder content of brick. (MADE GROUND)	0.50	(0.35)			
			0.30	PID	0.9ppm							
			0.60	B			Orangish brown gravelly fine and medium SAND with a low cobble content. Gravel is subrounded and rounded fine to coarse of mixed lithologies including quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	1.10	(0.60)			
			0.60	ES								
			0.60 - 1.00	B								
			0.70	PID	0.8ppm							
			1.20	SPT	N=16 (2,3,3,4,4,5)		Medium dense light grey gravelly fine and medium SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	1.70	(0.60)			
			1.70	PID	0.5ppm							
			2.00	SPT	50/230mm (6,11,16,15,17,2)		Dense dark orangish brown gravelly fine and medium SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including sandstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)	2.70	(1.00)			
			2.60	EW								
			2.70	PID	0.7ppm	▼						
			3.00	SPT	N=10 (2,2,1,2,3,4)		Medium dense dark brown very gravelly medium and coarse SAND. Gravel is subangular to rounded fine to coarse of mixed lithologies including mudstone, sandstone and rare quartz. (GLACIOFLUVIAL SHEET DEPOSITS)	3.00	(0.30)			
			3.10	D			Firm dark brown slightly gravelly CLAY. Gravel is angular to subrounded fine and medium of mixed lithologies including sandstone, mudstone and rare quartz. (GLACIAL TILL - COHESIVE)	3.50	(0.50)			
			3.10	D								
			3.10	PID	0.5ppm							
			3.50	SPT	N=8 (1,1,1,2,2,3)		End of Borehole at 3.50m					

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m to 3.5m bgl. 3. Terminated at 3.5m bgl due to poor recovery and continous collapse. 4. Installed with a response zone between 1m and 3m bgl. 4 Groundwater encountered at 2.80m bgl. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston	Borehole No WS109 Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 12/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383215.45, 389316.91	Checked By: MG	Rig: Archway Dart
Hydrock Project No: 35838	Ground Level: 34.85m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.20 - 0.40	ES			Black ASPHALT. (HARDSTANDING)	0.07	(0.07)	34.78		
			0.30	ES			Light brown sandy fine to coarse GRAVEL of limestone. (MADE GROUND)	0.20	(0.13)	34.65		
			0.40	PID			Dark brown and black slightly ashy slightly clayey very gravelly fine to coarse SAND. Gravel is angular and subangular fine to coarse of sandstone, quartz and asphalt, brick and clinker. (MADE GROUND)	0.40	(0.20)	34.45		
			0.50 - 0.60	ES								
			0.60	PID	0.1ppm		Medium dense orangish brown gravelly fine to medium SAND. Gravel is rounded fine and medium of sandstone. (GLACIOFLUVIAL SHEET DEPOSITS)					
			1.20	SPT	N=11 (2,2,3,2,3,3)				(1.50)			
			1.50	PID	0.3ppm							
			1.90	SPT	50/51mm (15,10,15,16,19)		End of Borehole at 1.90m	1.90		32.95		

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Wiindowless sample drilling from 1.2m to 1.9m bgl. 3. Terminated at 1.9m bgl on refusal of barrel and installed with a response zone between 0.9m and 1.9m bgl. 4. No groundwater encountered. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS110
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 10/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383252.27, 389305.73	Checked By: MG	Rig: Modular
Hydrock Project No: 35838			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
							Light grey CONCRETE. (HARDSTANDING)	0.20	(0.20)			
			0.30 0.30	ES ES			Grey and brown sandy angular and subangular fine to coarse GRAVEL of limestone. (MADE GROUND) *... TEXTILE*	0.30	(0.10)			
							Orangish brown gravelly fine to medium SAND. Gravel is very angular to subangular fine to coarse of brick and concrete. (MADE GROUND) *... At 0.40m bgl: Fragments of suspected asbestos cement.*	0.60	(0.30)			
							End of Borehole at 0.60m					

General Remarks:
1. Hand dug put to 0.6m bgl. 2. Terminated at 0.6m bgl due to suspected asbestos.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS110A
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 11/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383254.55, 389311.23	Checked By: MG	Rig: Archway Dart
Hydrock Project No: 35838			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.40 - 0.50	ES			Light grey CONCRETE. (HARDSTANDING)	0.19	(0.19)			
							Orangish brown gravelly fine to medium SAND. Gravel is very angular to subangular fine to coarse of limestone, concrete and rare brick. (MADE GROUND)	0.78	(0.59)			
							End of Borehole at 0.78m					

General Remarks:
1. Hand dug pit to 0.78m bgl. 2. Terminated at 0.78m bgl on concrete obstruction and backfilled with arisings.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston	Borehole No WS111 Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 12/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383171.56, 389295.49	Checked By: MG	Rig: Archway
Hydrock Project No: 35838	Ground Level: 35.23m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.15	PID	0.1ppm		Black ASPHALT. (HARDSTANDING)	0.10	(0.10)	35.13		
			0.30	PID	0.1ppm		Light brown slightly sandy angular to subangular fine to coarse GRAVEL of limestone with a low cobble content of limestone. (MADE GROUND)	0.30	(0.20)	34.93		
			0.40 - 0.50	ES			Dark brown slightly sandy slightly ashy clayey subangular to angular fine to coarse GRAVEL of limestone, asphalt and quartz. (MADE GROUND)	0.50	(0.20)	34.73		
			0.80 - 0.90	ES			Medium dense orangish brown gravelly fine to medium SAND. Gravel is subrounded to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)					
			0.80	PID	0.8ppm							
			1.20	SPT	N=16 (2,2,3,4,5,4)							
			1.50	PID	0.2ppm							
			2.00	SPT	N=14 (4,3,4,3,4,3)				(3.20)			
			2.50	PID	0.1ppm							
			3.00	SPT	N=15 (5,8,5,4,3,3)	▼						
			3.50	PID	0.2ppm							
							Firm dark brown slightly gravelly CLAY. Gravel is subrounded and rounded fine of quartz. (GLACIAL TILL - COHESIVE)	3.70	(0.30)	31.53		
			4.00	SPT	N=16 (2,2,2,4,4,6)	▼		4.00		31.23		
			4.20	PID	0.2ppm		Medium dense orangish brown gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIAL TILL - GRANULAR)		(1.00)			
			5.00	SPT	N=25 (3,4,5,5,7,8)		End of Borehole at 5.00m	5.00		30.23		

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m bgl to 5m bgl. 3. Complete at 5m bgl backfilled with arisings. 4. Groundwater encountered at 3m bgl. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS112
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 09/12/2024 - 10/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383209.93, 389295.91	Checked By: MG	Rig: Modular
Hydrock Project No: 35838			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
							Light grey CONCRETE. (HARDSTANDING)	0.18	(0.18)			
			0.20 - 0.30	ES			Grey and dark grey clayey slightly sandy angular fine to coarse GRAVEL of limestone and concrete. (MADE GROUND)	0.40	(0.22)			
			0.30	PID	1.4ppm		Medium dense becoming dense oangish brown gravelly fine to medium SAND. Gravel is subrounded fine to coarse of quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS) *... From 0.40m to 1.00m bgl: Frequent lenses of soft brown CLAY.*					
			0.50	B								
			0.50 - 1.00	B								
			0.70 - 0.80	ES								
			0.70	PID	0.9ppm							
			0.90	PID	1.2ppm			1				
			1.20	SPT	N=20 (4,5,5,5,5,5)							
			1.50	PID	0.4ppm				(2.40)			
			2.00	SPT	N=44 (8,9,10,10,12,12)			2				
			2.50	PID	0.5ppm	▼		2.80				
			2.90	PID	0.5ppm		Medium dense dark brown gravelly medium to coarse SAND with small lenses. Gravel is subrounded to rounded fine to coarse of quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	3	(0.25)			
			3.00	EW				3.05				
			3.20	PID	1.7ppm		Firm dark brown slightly gravelly CLAY. Gravel is angular fine of coal. (GLACIAL TILL - COHESIVE)					
			3.50	SPT	N=15 (3,3,4,3,4,4)				(1.05)			
								4				
								4.10				
							End of Borehole at 4.10m					
								5				
								6				

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m to 4.1m bgl. 3. Complete at 4.1m bgl and installed with a response zone between 1m and 3m bgl.4. Groundwater encountered at 2.8m bgl. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS113
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 10/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383237.14, 389277.26	Checked By: MG	Rig: Modular
Hydrock Project No: 35838			Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
							Light grey CONCRETE. (HARDSTANDING)	0.15	(0.15)			
			0.30 - 0.40	ES			Dark brown and grey slightly sandy angular to subangular fine to coarse GRAVEL of limestone and rare ceramics. (MADE GROUND)	0.50	(0.35)			
			0.30	PID	1.1ppm							
			0.60	PID	0.8ppm		Medium dense orangish brown gravelly fine to medium SAND. Gravel is subrounded fine to coarse of quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	1				
			1.20	SPT	N=10 (3,2,2,2,3,3)							
			1.20	B								
			1.20 - 3.00	B								
			1.30	PID	1.5ppm				(2.30)			
			1.50 - 1.60	ES								
			2.00	SPT	N=27 (4,4,6,6,7,8)			2				
			2.50	PID	0.3ppm							
			2.80	EW		▼		2.80				
			2.80	PID	1.1ppm		Medium dense dark grey gravelly medium to coarse SAND. Gravel is subrounded to rounded fine to coarse of quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	3.00	(0.20)			
			3.00	SPT	N=22 (2,2,4,5,6,7)			3				
			3.00	D			Firm becoming stiff dark brown slightly gravelly CLAY. Gravel is angular fine of coal and mudstone. (GLACIAL TILL - COHESIVE)					
			3.00 - 3.50	D								
			3.00	PID	0.6ppm							
			4.00	SPT	N=11 (2,2,2,2,3,4)			4	(2.00)			
			4.80	PID	0.7ppm							
			5.00	SPT	N=17 (2,2,3,4,5,5)		End of Borehole at 5.00m	5.00				
								5				
								6				

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m to 5m bgl. 3. Complete at 5m bgl and installed with a response zone between 1m and 3m bgl. 4 Groundwater encountered at 2.8m bgl. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS114
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 17/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383262.65, 389265.08	Checked By: MG	Rig: Archway Dart
Hydrock Project No: 35838	Ground Level: 35.01m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
							Light grey CONCRETE. (HARDSTANDING)	0.19	(0.19)	34.82		
			0.25	PID	0.3ppm		Light brown sandy fine to coarse GRAVEL of limestone. (MADE GROUND)	0.30	(0.11)	34.71		
			0.30 - 0.40	ES			Dark brown clayey gravelly fine to medium SAND with a low cobble content of brick. Gravel is angular fine to coarse of limestone. (MADE GROUND)	0.40	(0.10)	34.61		
			0.35	PID	0.2ppm		Dark organish brown slightly gravelly fine to medium SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including sandstone, mudstone and rare quartz. (GLACIOFLUVIAL SHEET DEPOSITS)	0.80	(0.40)	34.21		
			0.50 - 0.60	ES								
			0.50	PID	2.2ppm							
							Medium dense becoming dense orangish brown gravelly fine to medium SAND. Gravel is subrounded to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)	1				
			1.10	PID	0.2ppm							
			1.20	SPT	N=26 (2,4,5,6,7,8)							
			1.60	PID	0.3ppm							
									(2.15)			
			2.00	SPT	N=44 (6,6,7,14,11,12)			2				
			2.50	PID	0.2ppm							
						▼		2.95		32.06		
			3.00	SPT	N=14 (4,3,3,3,3,5)		Medium dense dark brown slightly gravelly medium and coarse SAND. Gravel is subangular rounded fine to coarse of mixed lithologies including quartz, sandstone and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	3	(0.50)			
								3.45		31.56		
							End of Borehole at 3.45m					
								4				
								5				
								6				

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m to 3.45m bgl. 3. Terminated at 3.45m bgl due to continuous collapse and installed with a response zone between 1m and 2m bgl. 4. Groundwater encountered at 2.95m bgl. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Hydrock now Stantec

Project: Sharston Road, Sharston

Borehole No
WS115
Page No. 1 of 1

Method: Dynamic (Windowless) Sampler	Date(s): 12/12/2024	Logged By: BH	Drilled By: DMW
Client: Kier Property Ltd	Co-ords: 383216.28, 389258.32	Checked By: MG	Rig:
Hydrock Project No: 35838	Ground Level: 36.01m OD		Scale: 1:30

Sample Run Info			Testing			Water-Strikes	Stratum Description	Depth mbgl	Thickness (m)	Level m OD	Legend	Instrumentation / Backfill
Sample Run	Run Ø	Recovery	Depth (m)	Type	Results							
			0.15 - 0.20	ES			Light grey CONCRETE. (HARDSTANDING)	0.15	(0.15)	35.86		
			0.15	PID	0.3ppm		Black ashy gravelly fine to coarse SAND. Gravel is subangular fine and medium of clinker and asphalt. (MADE GROUND)	0.20 / 0.30	(0.05) / (0.10)	35.81 / 35.71		
			0.20 - 0.30	ES			Soft dark grey sandy gravelly CLAY with a low boulder content of concrete. Gravel is subangular fine to coarse clinker, limestone and sandstone. (MADE GROUND)	0.60	(0.30)	35.41		
			0.25	PID	0.5ppm		Orangish brown gravelly fine to medium SAND. Gravel is subrounded to rounded fine to coarse of mixed lithologies including sandstone, mudstone and quartz. (GLACIOFLUVIAL SHEET DEPOSITS)					
			0.65	PID	0.4ppm							
			0.90	PID	0.3ppm							
			1.10	PID	0.4ppm							
			1.20	SPT	N=14 (2,2,3,4,3,4)		Medium dense greyish brown gravelly fine to coarse SAND. Gravel is subrounded to rounded fine to coarse of sandstone, quartzite and mudstone. (GLACIOFLUVIAL SHEET DEPOSITS)	1	(2.40)			
			2.00	SPT	N=33 (5,5,6,7,8,12)			2				
			2.50	PID	0.5ppm							
			3.00	SPT	N=20 (3,3,4,4,6,6)		Firm becoming stiff dark brown CLAY. (GLACIAL TILL - COHESIVE)	3.00 3		33.01		
			3.50	PID	0.5ppm							
			4.00	SPT	N=8 (1,2,2,2,2,2)			4	(2.00)			
			4.50	PID	0.3ppm							
			5.00	SPT	N=19 (3,3,5,5,4,5)		End of Borehole at 5.00m	5.00 5		31.01		
								6				

General Remarks:
1. Hand dug pit to 1.2m bgl. 2. Windowless sample drilling from 1.2m bgl to 5m bgl. 3. Complete at 5m bgl and installed with a response zone between 0.7m and 2.7m bgl. 4. Groundwater encountered at 3m bgl. 5. No visual or olfactory evidence of contamination.

Logged in general accordance with BS5930:2015

Exploratory hole photographs

Site Investigation Photograph 1

Date: 10/12/24

Direction Photograph Taken: N/A

Description: WS112 1.2m to 3.5m bgl.



Site Investigation Photograph 2

Date: 10/12/24

Direction Photograph Taken: N/A

Description: WS113 1.2 to 5.0m bgl.



Site Investigation Photograph 3

Date: 11/12/24

Direction Photograph Taken: N/A

Description: WS108 1.2m to 3.3m bgl.



Site Investigation Photograph 4

Date: 11/12/24

Direction Photograph Taken: N/A

Description: WS105 1.2m to 4.0m bgl.



Site Investigation Photograph 5

Date: 11/12/24

Direction Photograph Taken: N/A

Description: WS106 1.2m to 2.0m bgl.



Site Investigation Photograph 6

Date: 12/12/24

Direction Photograph Taken: N/A

Description: WS107 1.2m to 3.7m bgl.



Appendix D Geotechnical test results and geotechnical plots

Geotechnical laboratory test results

Hydrock Consultants Ltd
4 Lakeside
Festival Park
Stoke on Trent
ST1 5RY

t: 01782 261919

e: beckyhomer@hydrock.com
markgriffiths@hydrock.com
stoke@hydrock.com

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

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

Analytical Report Number : 24-060045

Project / Site name:	Sharston Industrial Estate	**Samples received on:**	13/12/2024
Your job number:	35838	**Samples instructed on/ Analysis started on:**	18/12/2024
Your order number:	PO38559	**Analysis completed by:**	31/12/2024
Report Issue Number:	1	**Report issued on:**	31/12/2024
Samples Analysed:	10 soil samples		

Signed:

Adan Cazas Garcia
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
air	- once the analysis is complete

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 are representative of the samples submitted for analysis.

Analytical Report Number: 24-060045
Project / Site name: Sharston Industrial Estate
Your Order No: PO38559

Lab Sample Number				411561	411562	411563	411564	411565
Sample Reference				WS108	CP105	CP103	CP101	CP102
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)				0.60	1.00	1.20	2.30	0.60
Date Sampled				12/12/2024	13/12/2024	13/12/2024	13/12/2024	13/12/2024
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	27.8	37.1	< 0.1	43.6	< 0.1
Moisture Content	%	0.01	NONE	6.4	2.2	21	4.1	16
Total mass of sample received	kg	0.1	NONE	0.4	0.4	0.4	0.5	0.3
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.9	7.7	7	7.5	8.4
Total Sulphate as SO_4	mg/kg	50	MCERTS	400	190	370	600	140
Total Sulphate as SO_4	%	0.005	MCERTS	0.04	0.019	0.037	0.06	0.014
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	350	53	150	230	56
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.174	0.0265	0.0743	0.114	0.0278
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	174	26.5	74.3	114	27.8
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	26	55	69	86	38
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	13	27	35	43	19
Total Sulphur	mg/kg	50	MCERTS	110	120	240	190	110
Total Sulphur	%	0.005	MCERTS	0.011	0.012	0.024	0.019	0.011
Ammoniacal Nitrogen as NH_4^+	mg/kg	0.5	MCERTS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Ammonium as NH_4^+ (10:1 leachate equivalent)	mg/l	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	110	2.2	12	< 2.0	< 2.0
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	55	< 5.0	6.1	< 5.0	< 5.0
Heavy Metals / Metalloids								
Magnesium (leachate equivalent)	mg/l	2.5	NONE	7.3	6.2	3.8	3.3	3.5
Magnesium (water soluble)	mg/kg	5	NONE	15	12	7.7	6.6	6.9

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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: 24-060045
Project / Site name: Sharston Industrial Estate
Your Order No: PO38559

Lab Sample Number				411566	411567	411568	411569	411570
Sample Reference				WS103	WS109	WS105	CP102	WS107
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	0.30	0.70	5.00	0.35
Date Sampled				12/12/2024	12/12/2024	11/12/2024	13/12/2024	12/12/2024
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	9.3
Moisture Content	%	0.01	NONE	14	8.3	8	15	1.3
Total mass of sample received	kg	0.1	NONE	0.4	0.4	0.5	0.4	0.4
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	8	7.8	8	7.6	8.3
Total Sulphate as SO_4	mg/kg	50	MCERTS	490	860	630	360	480
Total Sulphate as SO_4	%	0.005	MCERTS	0.049	0.086	0.063	0.036	0.048
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	120	400	540	190	130
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0617	0.199	0.269	0.0934	0.0656
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	61.7	199	269	93.4	65.6
Water Soluble Chloride (2:1)	mg/kg	1	MCERTS	110	22	260	4.6	23
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	56	11	130	2.3	11
Total Sulphur	mg/kg	50	MCERTS	240	240	520	110	400
Total Sulphur	%	0.005	MCERTS	0.024	0.024	0.052	0.011	0.04
Ammoniacal Nitrogen as NH_4^+	mg/kg	0.5	MCERTS	< 0.5	0.9	< 0.5	0.6	< 0.5
Ammonium as NH_4^+ (10:1 leachate equivalent)	mg/l	0.05	MCERTS	< 0.05	0.06	< 0.05	< 0.05	< 0.05
Water Soluble Nitrate (2:1) as NO_3	mg/kg	2	NONE	300	< 2.0	83	< 2.0	130
Water Soluble Nitrate (2:1) as NO_3 (leachate equivalent)	mg/l	5	NONE	150	< 5.0	42	< 5.0	64
Heavy Metals / Metalloids								
Magnesium (leachate equivalent)	mg/l	2.5	NONE	< 2.5	14	5.4	6.2	7.2
Magnesium (water soluble)	mg/kg	5	NONE	< 5.0	29	11	12	14

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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 : 24-060045
Project / Site name: Sharston Industrial Estate

* 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 *
411561	WS108	None Supplied	0.6	Brown sand with gravel and stones
411562	CP105	None Supplied	1	Brown sand with gravel and stones
411563	CP103	None Supplied	1.2	Brown clay and sand with gravel
411564	CP101	None Supplied	2.3	Brown gravelly sand with stones
411565	CP102	None Supplied	0.6	Brown clay and sand with gravel
411566	WS103	None Supplied	0.4	Brown sandy clay with gravel
411567	WS109	None Supplied	0.3	Brown clay and sand with gravel
411568	WS105	None Supplied	0.7	Brown sand with gravel
411569	CP102	None Supplied	5	Brown clay
411570	WS107	None Supplied	0.35	Brown sand with gravel and stones

Analytical Report Number : 24-060045
Project / Site name: Sharston Industrial Estate

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
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
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES	In-house method based on TRL 447	L038B	D	NONE
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Water Soluble Nitrate (leachate equivalent)	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Nitrate, water soluble, in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry	In-house method based on Examination of Water and Wastewatern & Polish Standard Method PN-82/C-04579.08, 2:1 extraction	L078-PL	W	NONE
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser	In-house method	L082B	D	MCERTS
Ammonium as NH4 in soil	Determination of Ammonium/Ammonia/ Ammoniacal Nitrogen by the colorimetric salicylate/nitroprusside method, 10:1 water extraction.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L082B	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

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

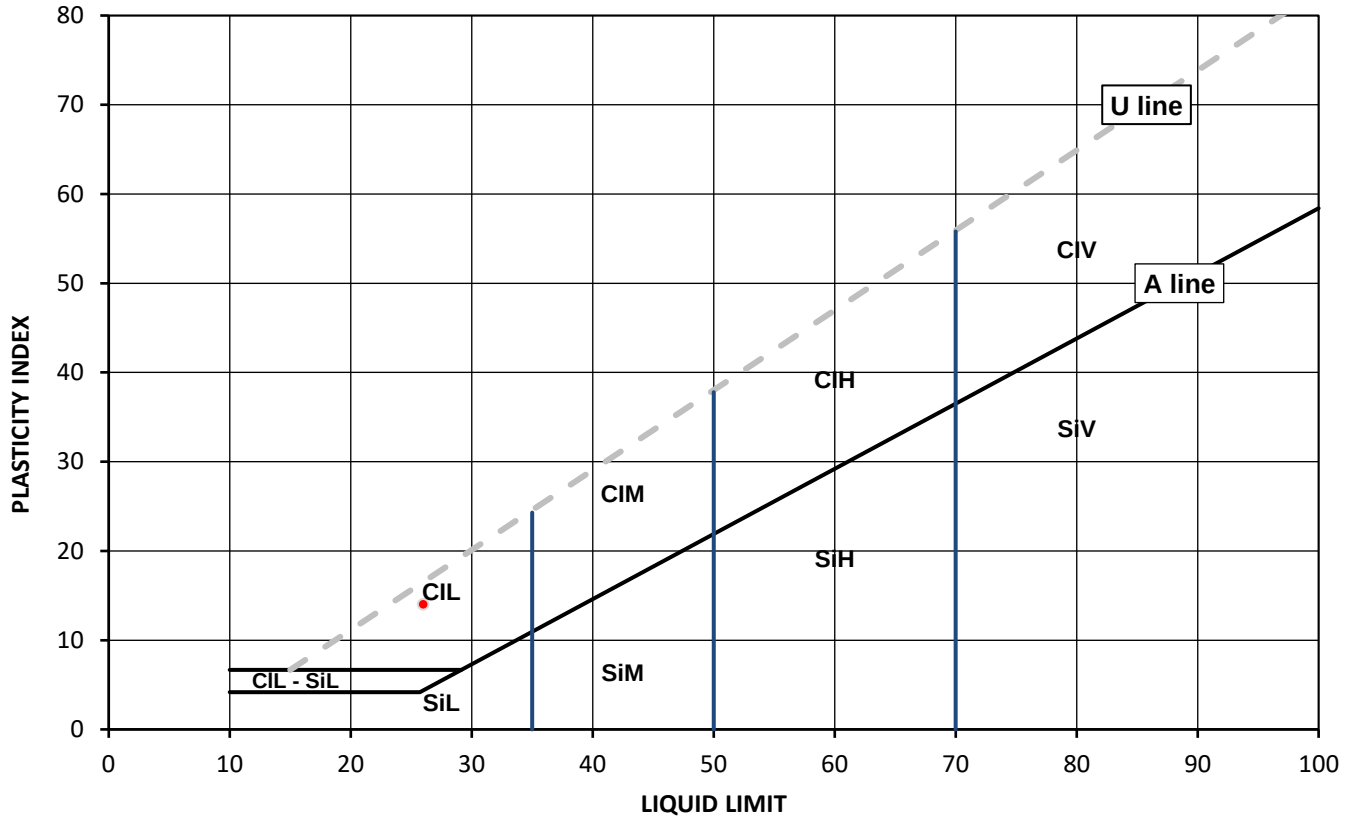
Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	19/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	09/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412056	Depth Top [m]:	4.00
Hole No.:	CP101	Depth Base [m]:	4.45
Sample Reference:	7	Sample Type:	U
Sample Description:	Orangish brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after washing to remove >0.425mm; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
18.1	26	12	14	0.43	0.57	81



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

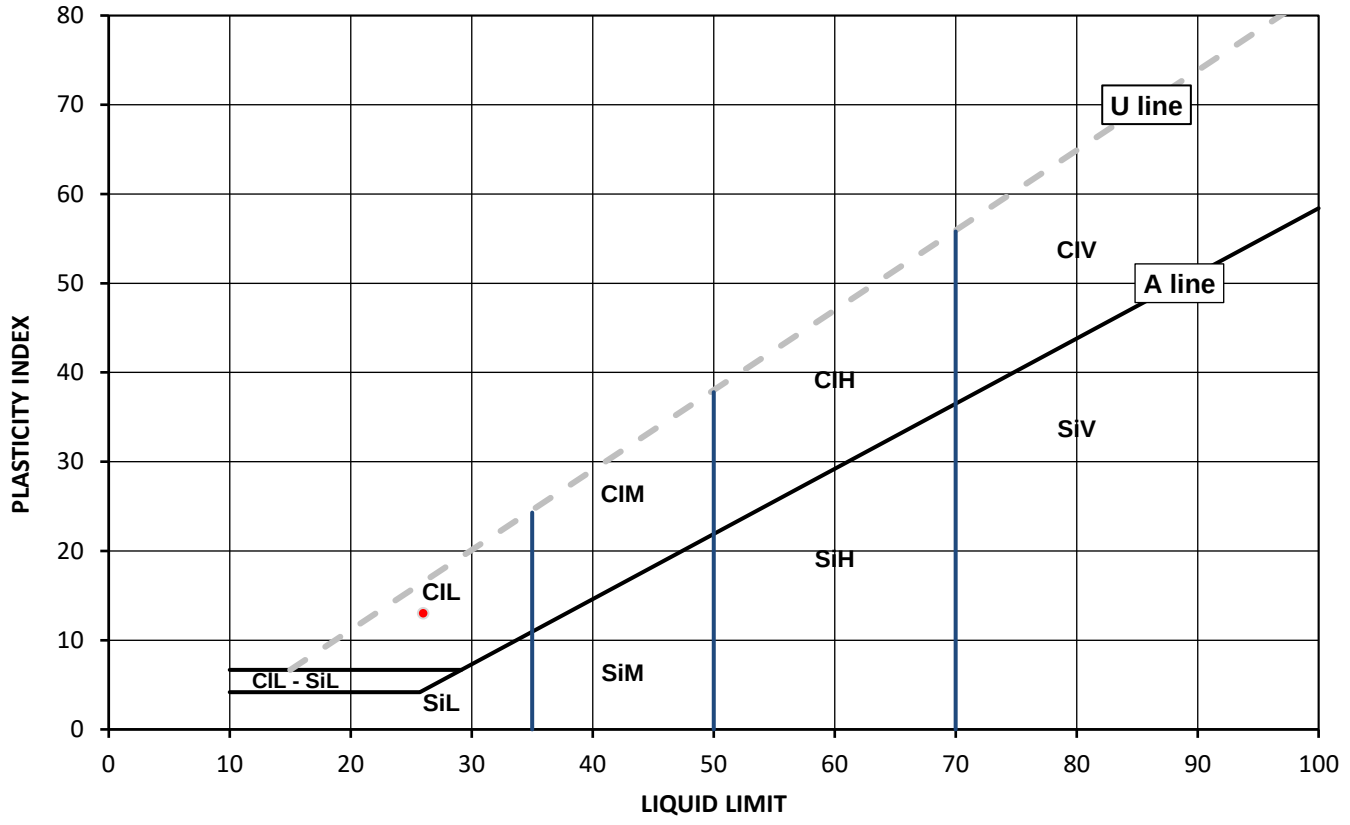
Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	08/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412057	Depth Top [m]:	8.00
Hole No.:	CP101	Depth Base [m]:	8.45
Sample Reference:	12	Sample Type:	U
Sample Description:	Orangish brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after washing to remove >0.425mm; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
11.6	26	13	13	-0.08	1.08	86



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

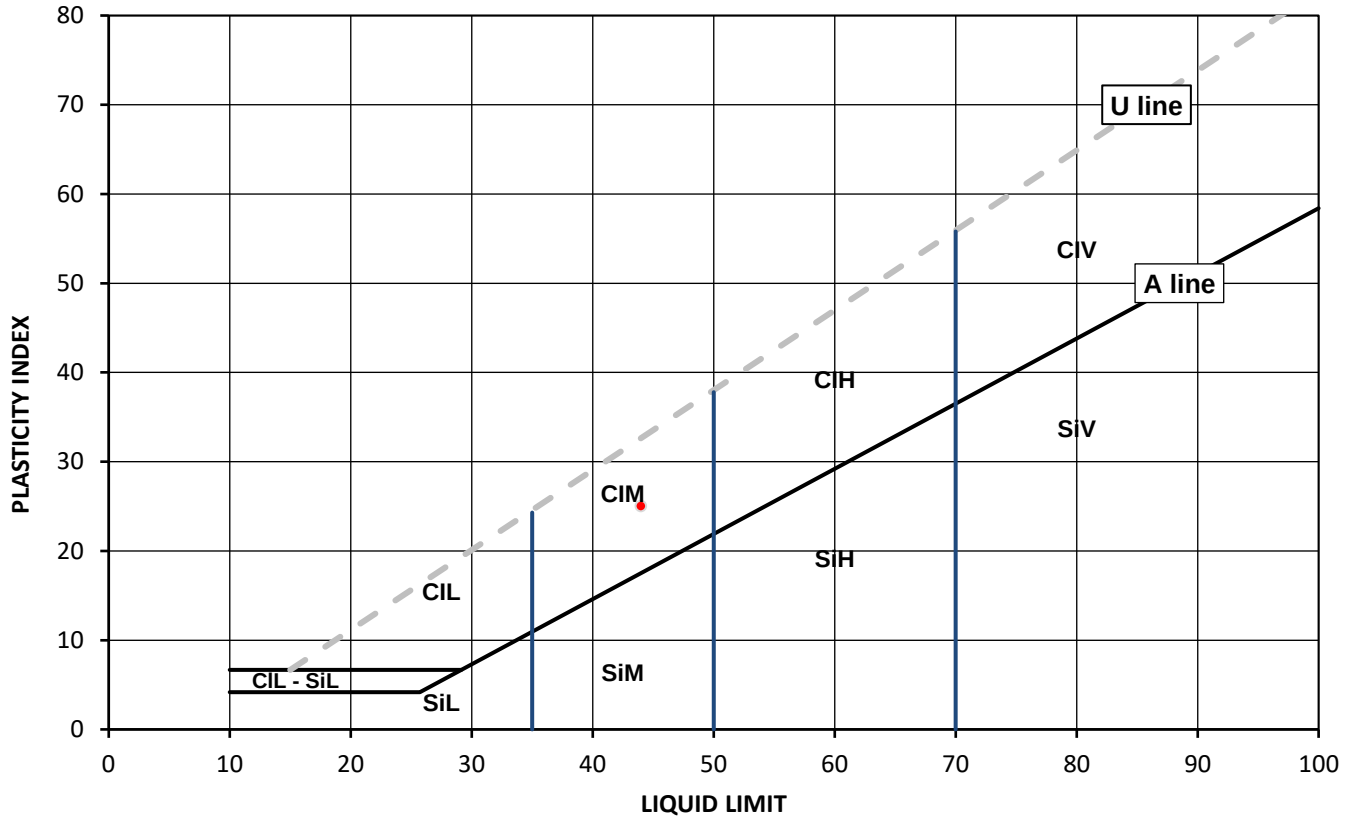
Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	08/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412058	Depth Top [m]:	4.00
Hole No.:	CP102	Depth Base [m]:	4.45
Sample Reference:	8	Sample Type:	U
Sample Description:	Orangish brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
20.2	44	19	25	0.04	0.96	89



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

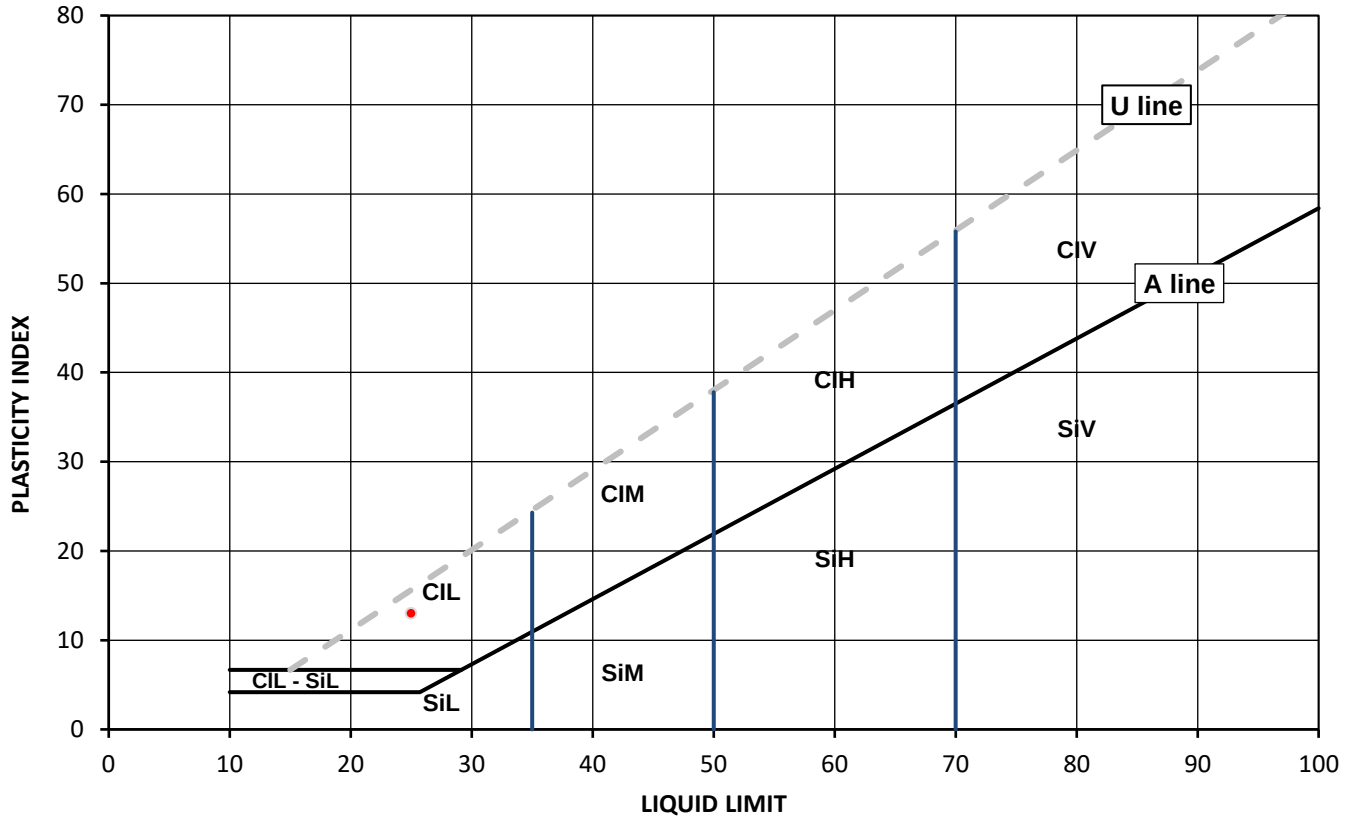
Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	08/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412059	Depth Top [m]:	6.00
Hole No.:	CP103	Depth Base [m]:	6.95
Sample Reference:	10	Sample Type:	U
Sample Description:	Brown slightly gravelly clayey SAND		
Sample Preparation:	Tested after washing to remove >0.425mm; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
11.8	25	12	13	0.00	1.00	83



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

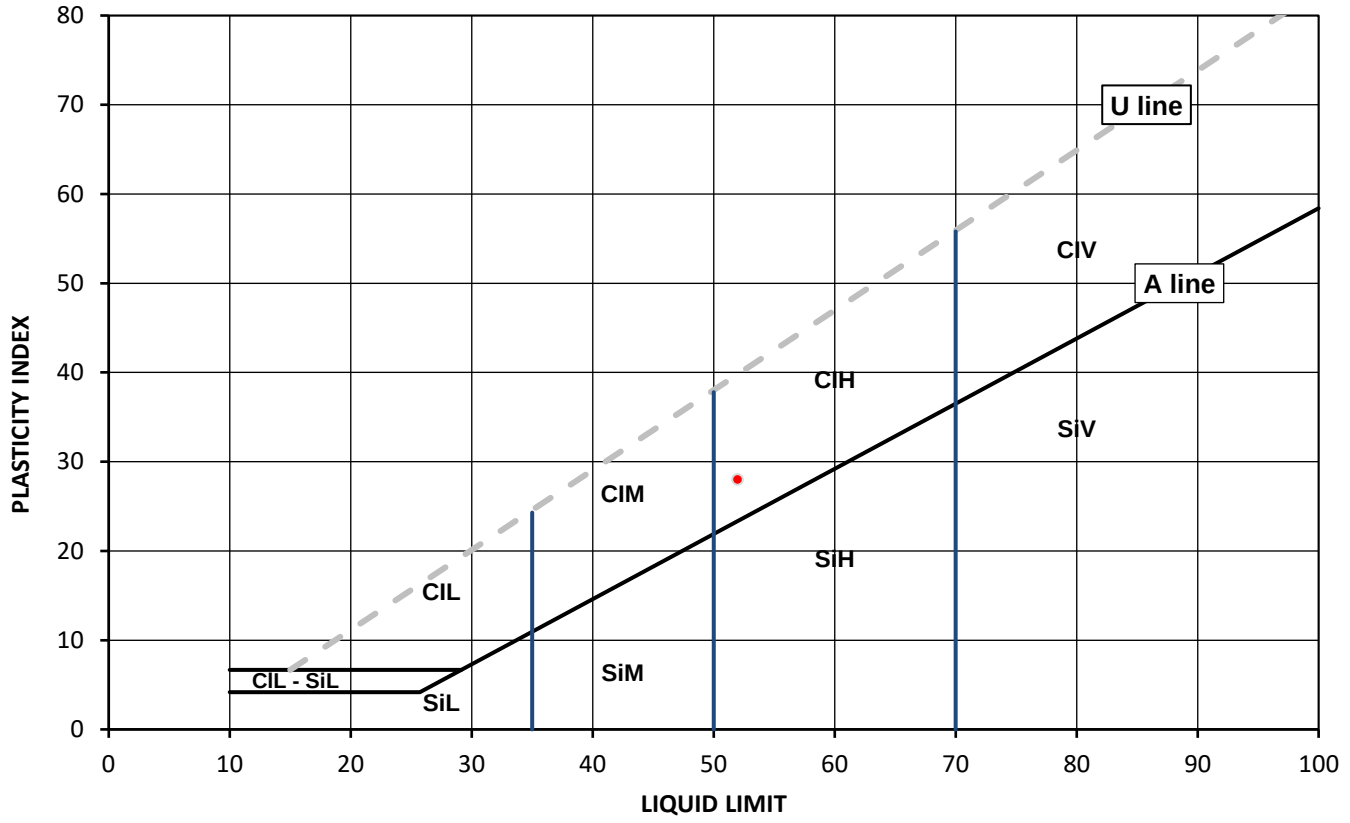
Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	08/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412060	Depth Top [m]:	4.00
Hole No.:	CP105	Depth Base [m]:	4.45
Sample Reference:	Not Given	Sample Type:	U
Sample Description:	Orangish brown slightly sandy CLAY		
Sample Preparation:	Tested in natural condition; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
21.6	52	24	28	-0.07	1.07	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

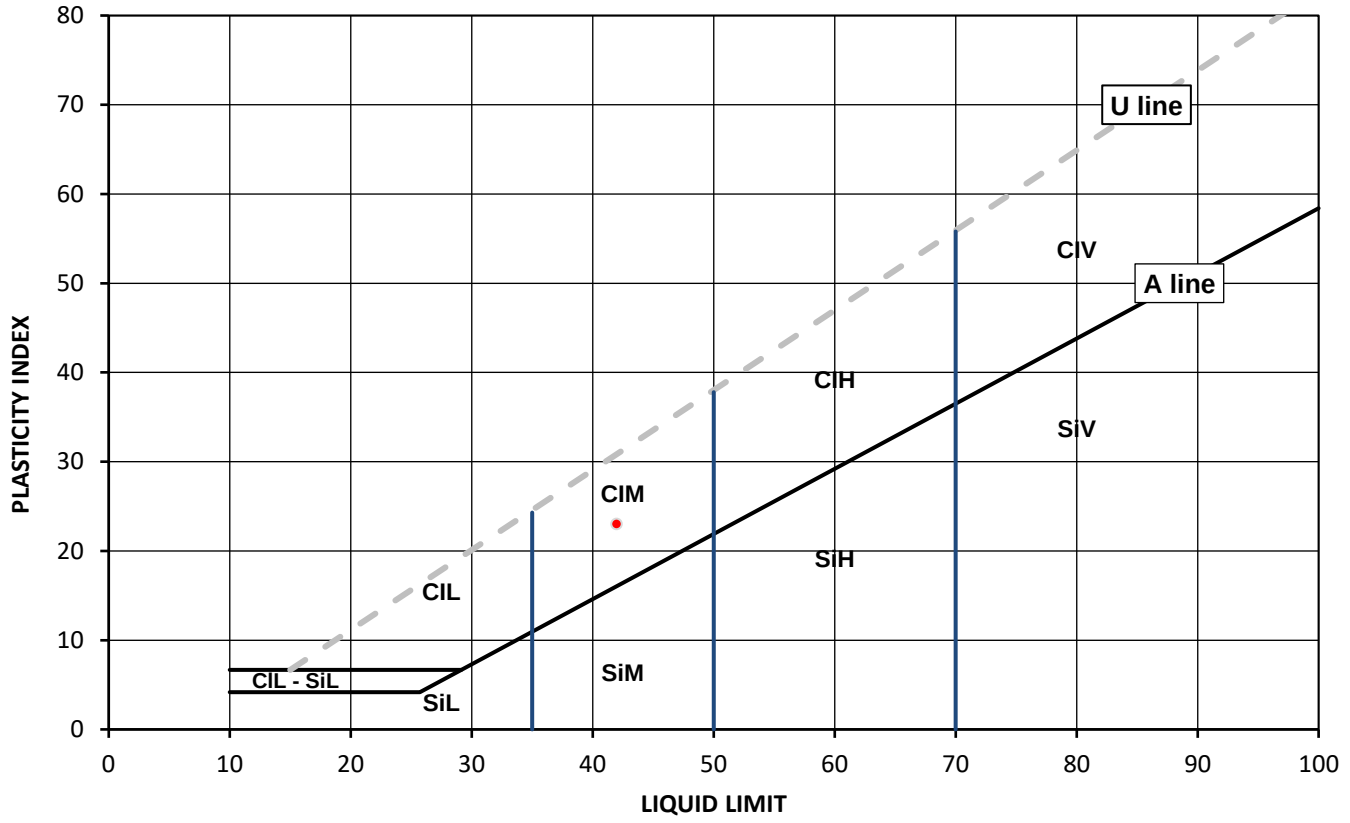
Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	02/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412067	Depth Top [m]:	3.00
Hole No.:	WS113	Depth Base [m]:	3.50
Sample Reference:	1	Sample Type:	D
Sample Description:	Brown sandy CLAY		
Sample Preparation:	Tested in natural condition; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
17.6	42	19	23	-0.04	1.04	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

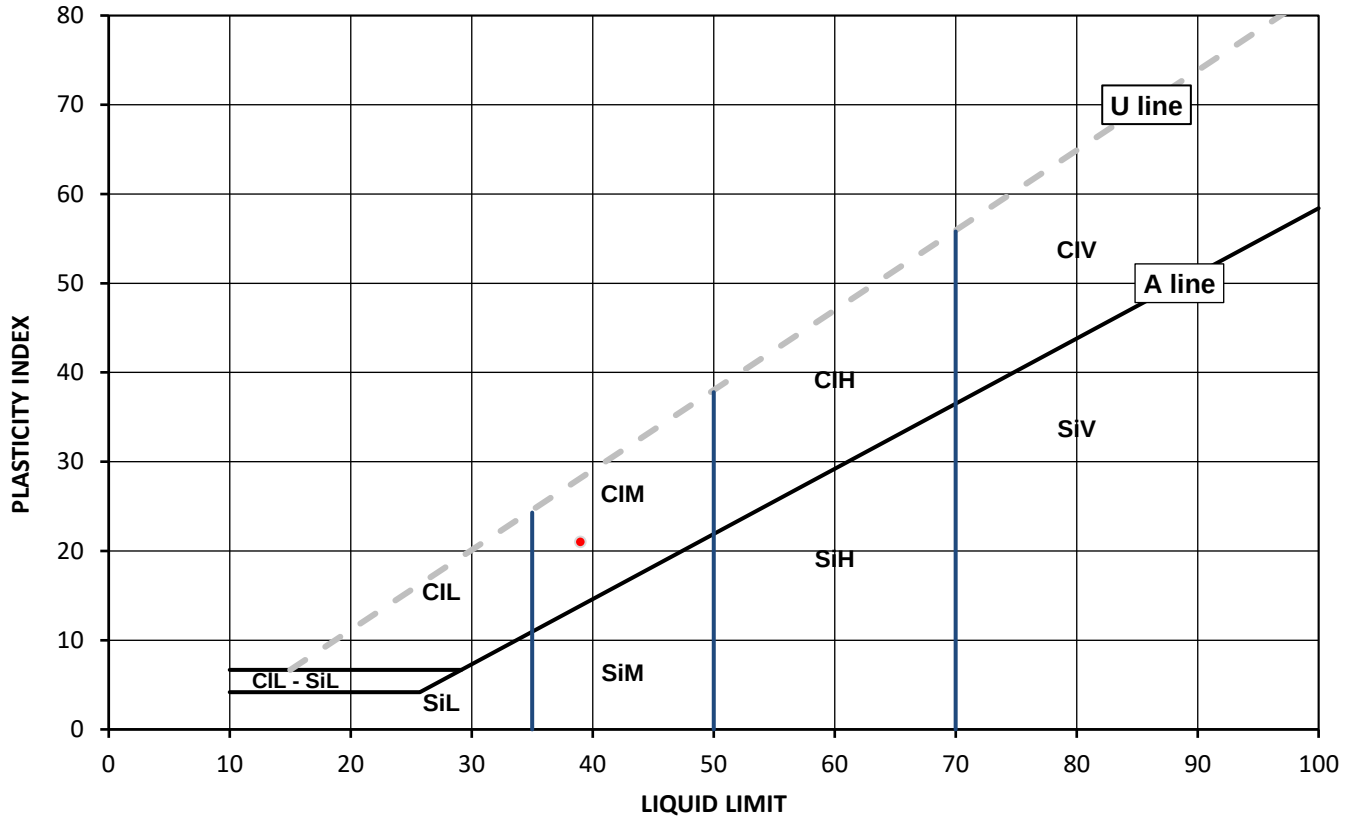
Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	02/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412068	Depth Top [m]:	3.10
Hole No.:	WS108	Depth Base [m]:	Not Given
Sample Reference:	2	Sample Type:	D
Sample Description:	Brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after washing to remove >0.425mm; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
20.6	39	18	21	0.14	0.86	76



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 337.14

4041

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

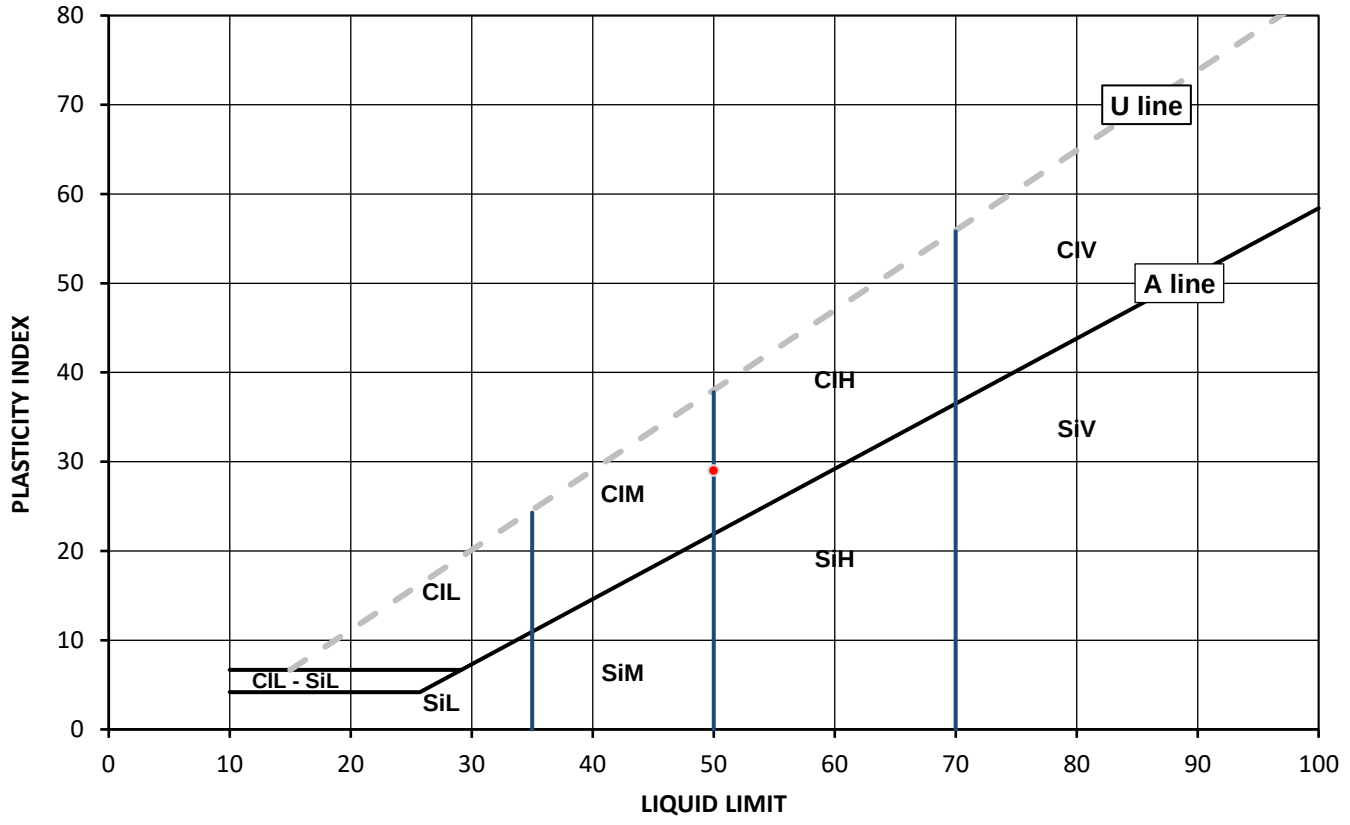
Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	02/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412069	Depth Top [m]:	3.00
Hole No.:	WS105	Depth Base [m]:	3.50
Sample Reference:	1	Sample Type:	D
Sample Description:	Brown slightly sandy CLAY		
Sample Preparation:	Tested in natural condition; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
27.1	50	21	29	0.21	0.79	100



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 337.14

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022, cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

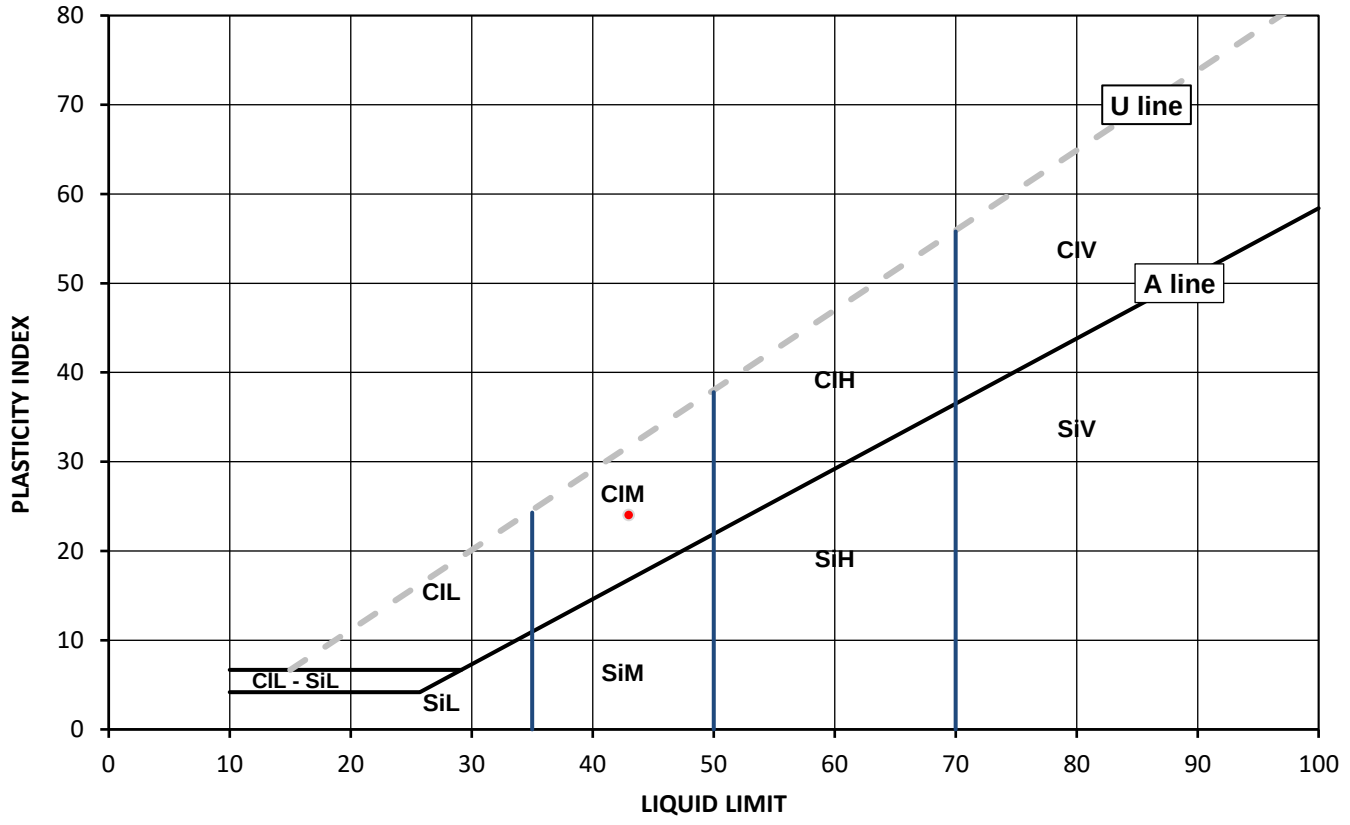
Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	02/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412070	Depth Top [m]:	3.50
Hole No.:	CP105	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >0.425mm removed by hand; The water content in the sample was increased		
Cone Type:	80g/30deg		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	Liquidity Index [IL] % #	Consistency Index [IC] % #	% Passing 425µm BS Test Sieve
19.7	43	19	24	0.04	0.96	94



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 337.14

SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: Hydrock Consultants Ltd

Client Address: 4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY

Contact: Becky Homer

Site Address: Sharston Industrial Estate

BS EN ISO 17892-12:2018+A2:2022 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6. W by BS EN ISO 17892-1:2014+A1:2022.

Client Reference: 35838
Job Number: 24-060162-1
Date Sampled: 17/12 - 19/12/2024
Date Received: 18/12/2024
Date Tested: 03/01 - 09/01/2025
Sampled By: Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	W	Liquid & Plastic Limit							Density		
		Reference	Depth Top m	Depth Base m	Type			%	% Passing 425um %	WL* %	Correlation Factor	Wp %	Ip %	Cone type	Sample Preparation	bulk Mg/m3	dry Mg/m3	PD Mg/m3
412056	CP101	7	4.00	4.45	U	Orangish brown slightly gravelly very sandy CLAY	Atterberg 4 Point	18.1	81	26	-	12	14	80g/30 deg	WR / I			
412057	CP101	12	8.00	8.45	U	Orangish brown slightly gravelly very sandy CLAY	Atterberg 4 Point	11.6	86	26	-	13	13	80g/30 deg	WR / I			
412058	CP102	8	4.00	4.45	U	Orangish brown slightly gravelly sandy CLAY	Atterberg 4 Point	20.2	89	44	-	19	25	80g/30 deg	R / I			
412059	CP103	10	6.00	6.95	U	Brown slightly gravelly clayey SAND	Atterberg 4 Point	11.8	83	25	-	12	13	80g/30 deg	WR / I			
412060	CP105	Not Given	4.00	4.45	U	Orangish brown slightly sandy CLAY	Atterberg 4 Point	21.6	100	52	-	24	28	80g/30 deg	N / I			
412061	WS112	1	0.50	1.00	B	Brown slightly gravelly very clayey SAND		11.6										
412062	WS105	1	0.70	1.00	B	Yellowish Brown slightly clayey SAND		7.7										
412063	CP101	1	0.30	0.60	B	Dark Brown slightly gravelly CLAY		30.1										
412064	WS107	1	0.80	1.20	B	Yellowish Brown gravelly SAND		6.5										
412065	WS104	1	0.20	0.50	B	Dark brown very sandy clayey GRAVEL with fragments of brick		16.4										

Note: # Non accredited; NP - Non plastic; N - Tested in natural condition, R - Tested after >0,425mm removed by hand, WR - Tested after washing to remove >425mm; I - The water content in the sample was increased , D - The water content in the sample was decreased; * - One point liquid limit corrected as per the report Correlation Factor by Clayton C.R.I and Jukes A.W (1978)

Comments:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025 **GF 362.16**

SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

4041

Client: Hydrock Consultants Ltd

Client Address: 4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY

Contact: Becky Homer

Site Address: Sharston Industrial Estate

BS EN ISO 17892-12:2018+A2:2022 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6. W by BS EN ISO 17892-1:2014+A1:2022.

Client Reference: 35838
Job Number: 24-060162-1
Date Sampled: 17/12/2024
Date Received: 18/12/2024
Date Tested: 02/01 - 03/01/2025
Sampled By: Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	W	Liquid & Plastic Limit							Density		
		Reference	Depth Top m	Depth Base m	Type			%	% Passing 425um %	WL* %	Correlation Factor	Wp %	Ip %	Cone type	Sample Preparation	bulk Mg/m3	dry Mg/m3	PD Mg/m3
412066	WS113	1	1.20	3.00	B	Yellowish brown to brown gravelly clayey SAND		16.3										
412067	WS113	1	3.00	3.50	D	Brown sandy CLAY	Atterberg 4 Point	17.6	100	42	-	19	23	80g/30 deg	N / I			
412068	WS108	2	3.10	Not Given	D	Brown slightly gravelly sandy CLAY	Atterberg 4 Point	20.6	76	39	-	18	21	80g/30 deg	WR / I			
412069	WS105	1	3.00	3.50	D	Brown slightly sandy CLAY	Atterberg 4 Point	27.1	100	50	-	21	29	80g/30 deg	N / I			
412070	CP105	Not Given	3.50	Not Given	D	Brown slightly gravelly sandy CLAY	Atterberg 4 Point	19.7	94	43	-	19	24	80g/30 deg	R / I			

Note: # Non accredited; NP - Non plastic; N - Tested in natural condition, R - Tested after >0,425mm removed by hand, WR - Tested after washing to remove >425mm; I - The water content in the sample was increased , D - The water content in the sample was decreased; * - One point liquid limit corrected as per the report Correlation Factor by Clayton C.R.I and Jukes A.W (1978)

Comments:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025 **GF 362.16**

SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS EN ISO 17892-1:2014+A1:2022, BS 1377-2: 2022, clause 4.1

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: Hydrock Consultants Ltd

Client Address: 4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY

Contact: Becky Homer

Site Address: Sharston Industrial Estate

Client Reference: 35838
Job Number: 24-060162-1
Date Sampled: 17/12 - 19/12/2024
Date Received: 18/12/2024
Date Tested: 03/01 - 09/01/2025
Sampled By: Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC											
		Reference	Depth Top m	Depth Base m	Type			%											
412056	CP101	7	4.00	4.45	U	Orangish brown slightly gravelly very sandy CLAY		18.1											
412057	CP101	12	8.00	8.45	U	Orangish brown slightly gravelly very sandy CLAY		11.6											
412058	CP102	8	4.00	4.45	U	Orangish brown slightly gravelly sandy CLAY		20.2											
412059	CP103	10	6.00	6.95	U	Brown slightly gravelly clayey SAND		11.8											
412060	CP105	Not Given	4.00	4.45	U	Orangish brown slightly sandy CLAY		21.6											
412061	WS112	1	0.50	1.00	B	Brown slightly gravelly very clayey SAND		11.6											
412062	WS105	1	0.70	1.00	B	Yellowish Brown slightly clayey SAND		7.7											
412063	CP101	1	0.30	0.60	B	Dark Brown slightly gravelly CLAY		30.1											
412064	WS107	1	0.80	1.20	B	Yellowish Brown gravelly SAND		6.5											
412065	WS104	1	0.20	0.50	B	Dark brown very sandy clayey GRAVEL with fragments of brick		16.4											

Comments:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 126.18

SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS EN ISO 17892-1:2014+A1:2022, BS 1377-2: 2022, clause 4.1

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client: Hydrock Consultants Ltd

Client Address: 4 Lakeside, Festival Park,
Stoke on Trent, ST1 5RY

Contact: Becky Homer

Site Address: Sharston Industrial Estate

Client Reference: 35838
Job Number: 24-060162-1
Date Sampled: 17/12/2024
Date Received: 18/12/2024
Date Tested: 02/01 - 03/01/2025
Sampled By: Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC											
		Reference	Depth Top m	Depth Base m	Type			%											
412066	WS113	1	1.20	3.00	B	Yellowish brown to brown gravelly clayey SAND		16.3											
412067	WS113	1	3.00	3.50	D	Brown sandy CLAY		17.6											
412068	WS108	2	3.10	Not Given	D	Brown slightly gravelly sandy CLAY		20.6											
412069	WS105	1	3.00	3.50	D	Brown slightly sandy CLAY		27.1											
412070	CP105	Not Given	3.50	Not Given	D	Brown slightly gravelly sandy CLAY		19.7											

Comments:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

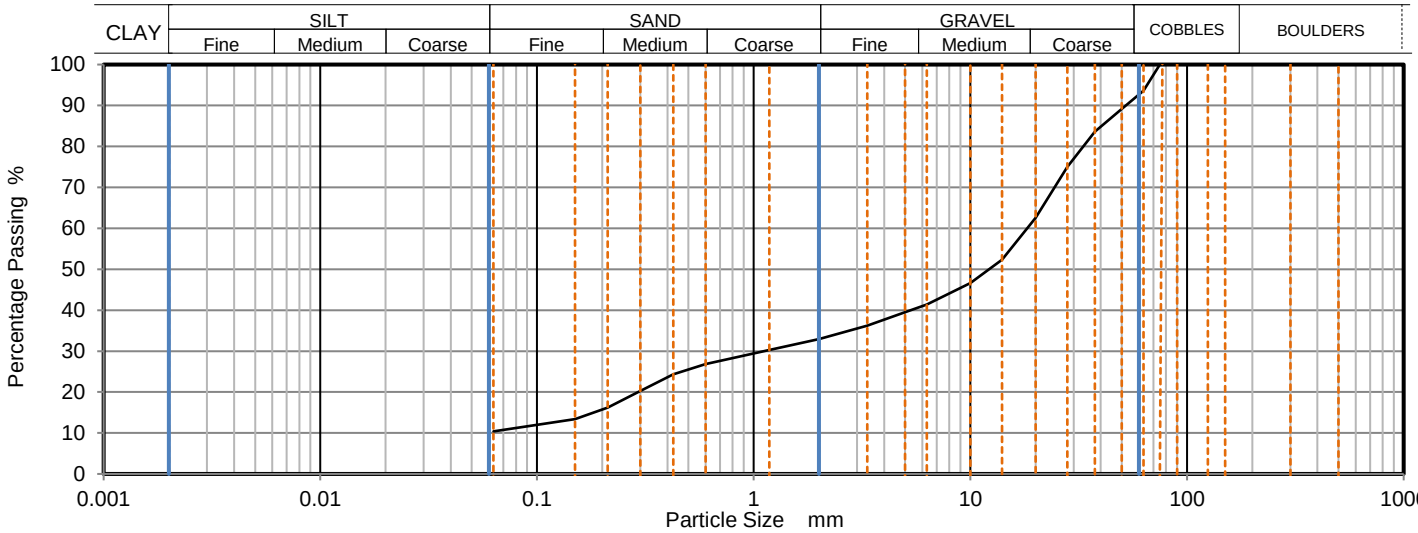
4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	03/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412065	Depth Top [m]:	0.20
Hole No.:	WS104	Depth Base [m]:	0.50
Sample Reference:	1	Sample Type:	B
Sample Description:	Dark brown very sandy clayey GRAVEL with fragments of brick		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	94		
50	89		
37.5	84		
28	75		
20	63		
14	52		
10	47		
6.3	41		
5	40		
3.35	36		
2	33		
1.18	30		
0.6	27		
0.425	24		
0.3	20		
0.212	16		
0.15	13		
0.063	10		

Sample Proportions	% dry mass
Very coarse	6
Gravel	62
Sand	22
Fines <0.063 mm	10

Grading Analysis		
D100	mm	75
D60	mm	18.3
D30	mm	1.12
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS EN ISO 17892-4:2016 Table 1.

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

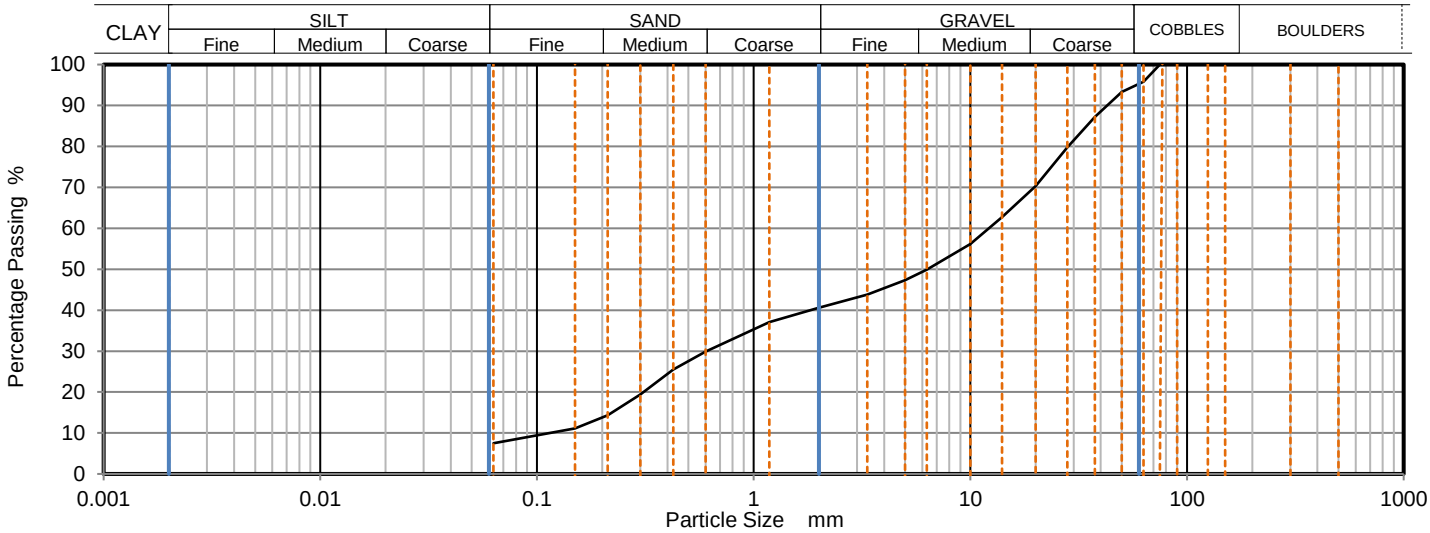
4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	03/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412071	Depth Top [m]:	0.60
Hole No.:	WS108	Depth Base [m]:	1.00
Sample Reference:	1	Sample Type:	B
Sample Description:	Brown very sandy clayey GRAVEL		
Sample Preparation:	Sample was whole tested, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	96		
50	93		
37.5	87		
28	80		
20	70		
14	63		
10	56		
6.3	50		
5	47		
3.35	44		
2	41		
1.18	37		
0.6	30		
0.425	26		
0.3	19		
0.212	14		
0.15	11		
0.063	8		

Sample Proportions	% dry mass
Very coarse	4
Gravel	56
Sand	33
Fines <0.063 mm	7

Grading Analysis		
D100	mm	75
D60	mm	12.2
D30	mm	0.603
D10	mm	0.115
Uniformity Coefficient		110
Curvature Coefficient		0.26

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS EN ISO 17892-4:2016 Table 1.

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

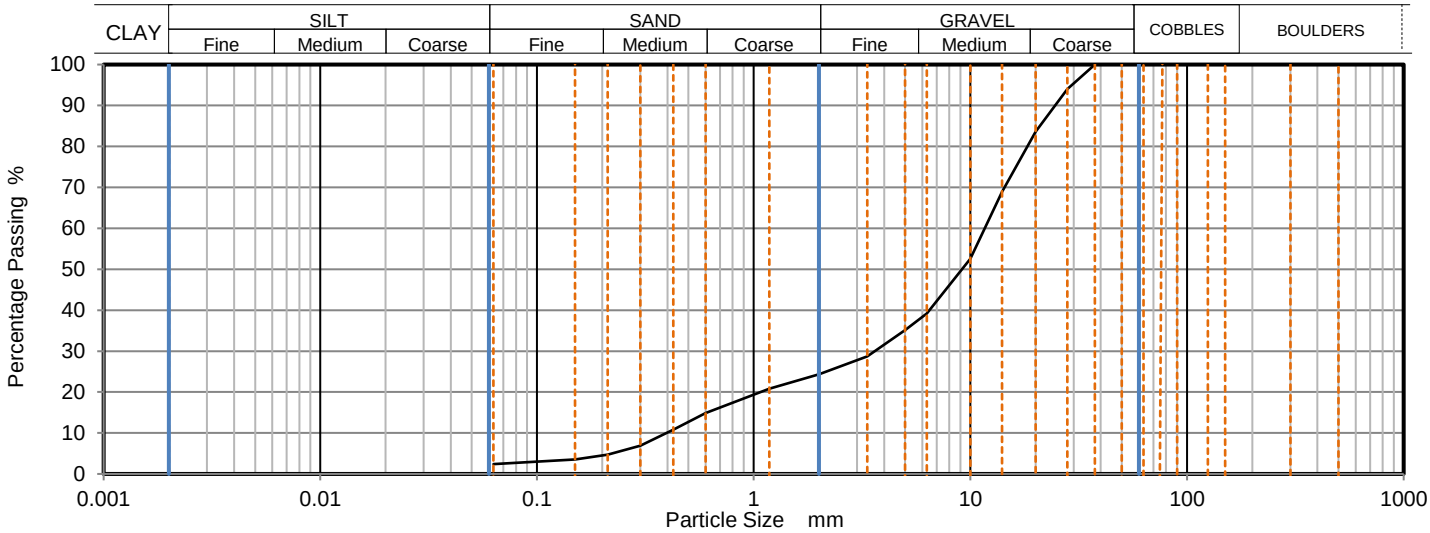
4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	03/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412072	Depth Top [m]:	2.00
Hole No.:	CP101	Depth Base [m]:	2.45
Sample Reference:	5	Sample Type:	B
Sample Description:	Brown very sandy slightly clayey GRAVEL		
Sample Preparation:	Sample was whole tested, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	94		
20	84		
14	69		
10	53		
6.3	39		
5	35		
3.35	29		
2	24		
1.18	21		
0.6	15		
0.425	11		
0.3	7		
0.212	5		
0.15	4		
0.063	2		

Sample Proportions	% dry mass
Very coarse	0
Gravel	76
Sand	22
Fines <0.063 mm	2

Grading Analysis		
D100	mm	37.5
D60	mm	11.7
D30	mm	3.63
D10	mm	0.397
Uniformity Coefficient		29
Curvature Coefficient		2.9

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

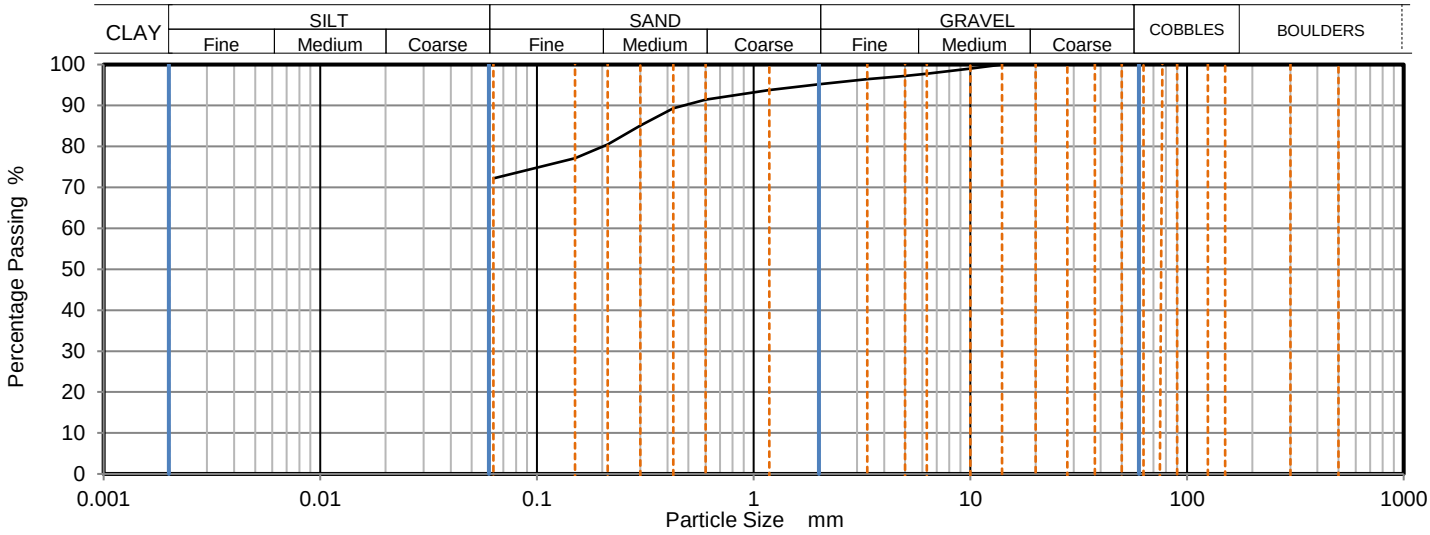
4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	03/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412073	Depth Top [m]:	5.00
Hole No.:	CP102	Depth Base [m]:	5.45
Sample Reference:	10	Sample Type:	B
Sample Description:	Brown slightly gravelly slightly sandy CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	99		
6.3	98		
5	97		
3.35	96		
2	95		
1.18	94		
0.6	91		
0.425	89		
0.3	85		
0.212	81		
0.15	77		
0.063	72		

Sample Proportions	% dry mass
Very coarse	0
Gravel	5
Sand	23
Fines <0.063 mm	72

Grading Analysis		
D100	mm	14
D60	mm	
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

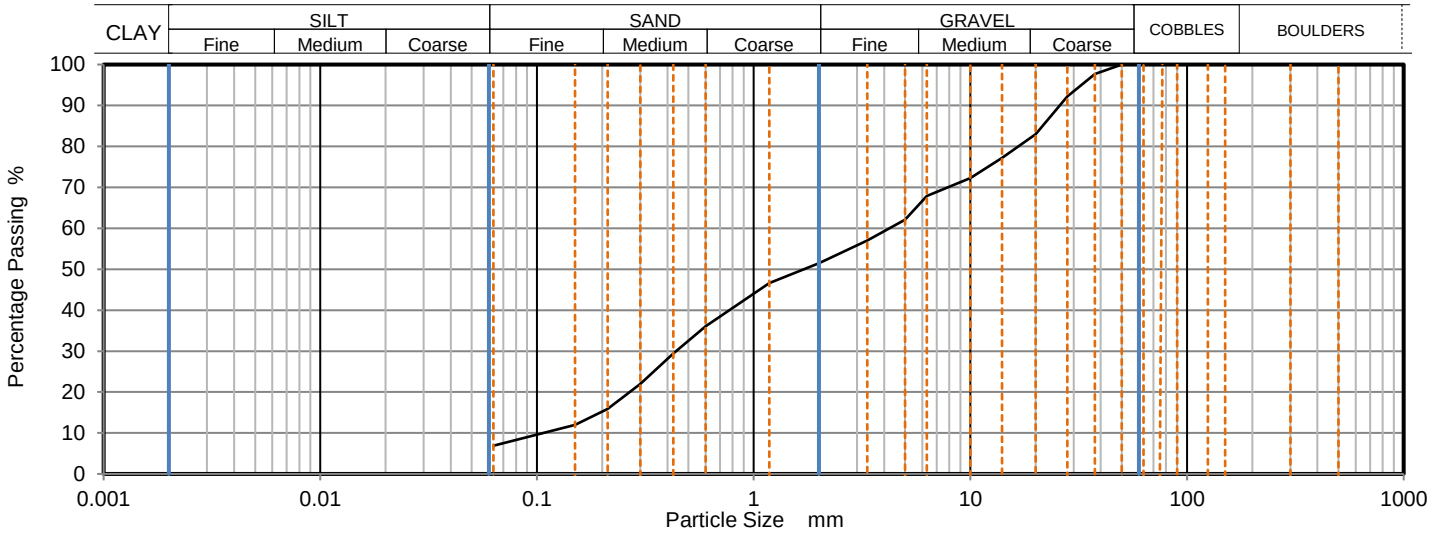
4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	03/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412074	Depth Top [m]:	1.20
Hole No.:	CP103	Depth Base [m]:	1.65
Sample Reference:	3	Sample Type:	B
Sample Description:	Dark brown very sandy clayey GRAVEL		
Sample Preparation:	Sample was whole tested, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	98		
28	92		
20	83		
14	77		
10	72		
6.3	68		
5	62		
3.35	57		
2	52		
1.18	47		
0.6	36		
0.425	29		
0.3	22		
0.212	16		
0.15	12		
0.063	7		

Sample Proportions	% dry mass
Very coarse	0
Gravel	48
Sand	45
Fines <0.063 mm	7

Grading Analysis		
D100	mm	50
D60	mm	4.25
D30	mm	0.438
D10	mm	0.107
Uniformity Coefficient		40
Curvature Coefficient		0.42

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

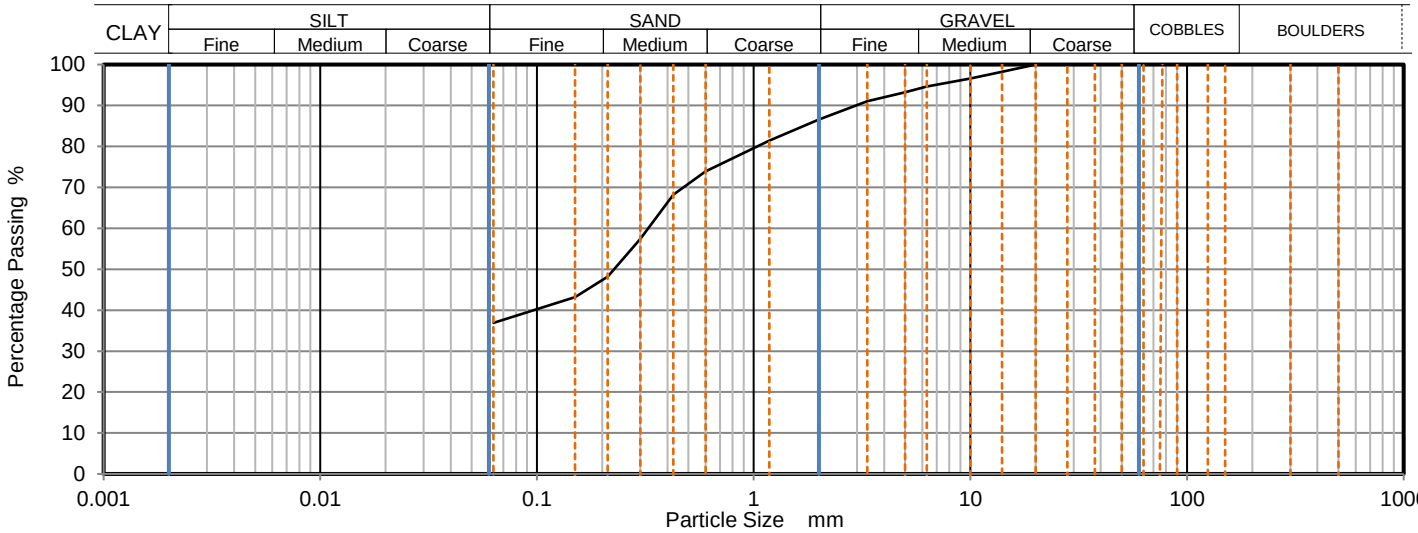
4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	03/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412075	Depth Top [m]:	0.30
Hole No.:	CP103	Depth Base [m]:	0.60
Sample Reference:	1	Sample Type:	B
Sample Description:	Orangish brown slightly gravelly sandy CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	98		
10	97		
6.3	95		
5	93		
3.35	91		
2	87		
1.18	81		
0.6	74		
0.425	68		
0.3	57		
0.212	48		
0.15	43		
0.063	37		

Sample Proportions	% dry mass
Very coarse	0
Gravel	13
Sand	50
Fines <0.063 mm	37

Grading Analysis		
D100	mm	20
D60	mm	0.327
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

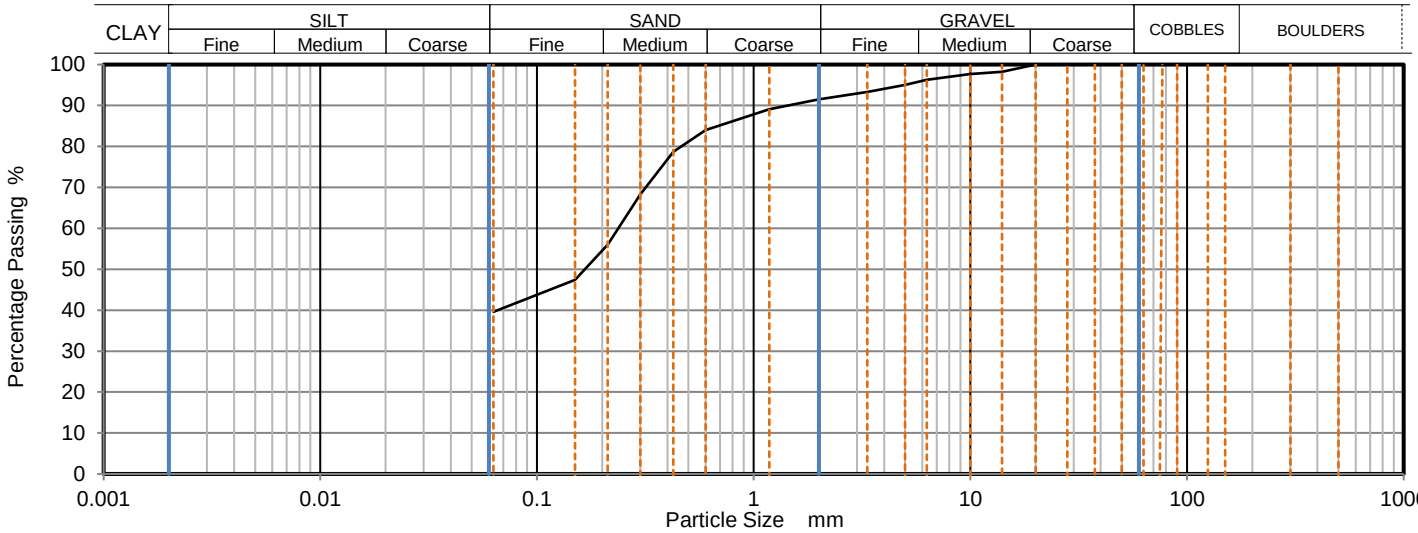
4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	03/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412076	Depth Top [m]:	0.50
Hole No.:	CP102	Depth Base [m]:	0.80
Sample Reference:	1	Sample Type:	B
Sample Description:	Dark brown slightly gravelly sandy CLAY		
Sample Preparation:	Sample was quartered, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	98		
10	98		
6.3	96		
5	95		
3.35	93		
2	92		
1.18	89		
0.6	84		
0.425	79		
0.3	68		
0.212	56		
0.15	47		
0.063	40		

Sample Proportions	% dry mass
Very coarse	0
Gravel	9
Sand	51
Fines <0.063 mm	40

Grading Analysis		
D100	mm	20
D60	mm	0.237
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 366.12

4041

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

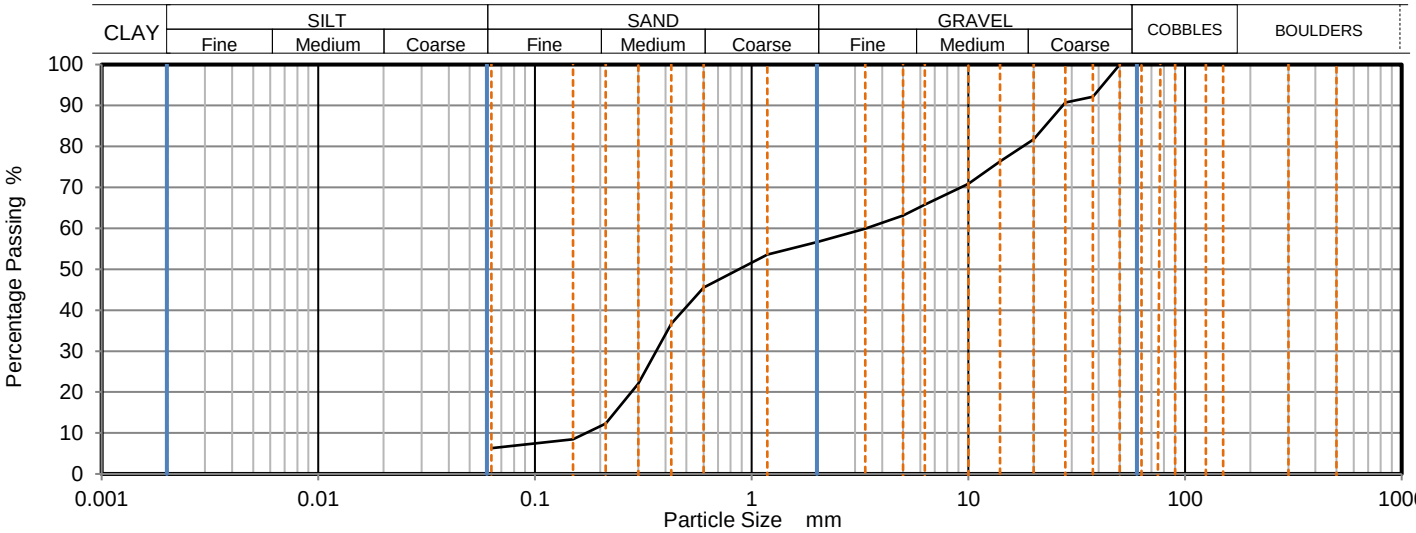
Environmental Science

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	03/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412077	Depth Top [m]:	1.20
Hole No.:	WS104	Depth Base [m]:	3.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown very gravelly clayey SAND		
Sample Preparation:	Sample was whole tested, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	92		
28	91		
20	82		
14	76		
10	71		
6.3	66		
5	63		
3.35	60		
2	57		
1.18	54		
0.6	46		
0.425	37		
0.3	22		
0.212	12		
0.15	9		
0.063	6		

Sample Proportions	% dry mass
Very coarse	0
Gravel	43
Sand	51
Fines <0.063 mm	6

Grading Analysis		
D100	mm	50
D60	mm	3.37
D30	mm	0.362
D10	mm	0.172
Uniformity Coefficient		20
Curvature Coefficient		0.23

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 366.12

TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016, BS 1377-2:2022 cl. 10

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

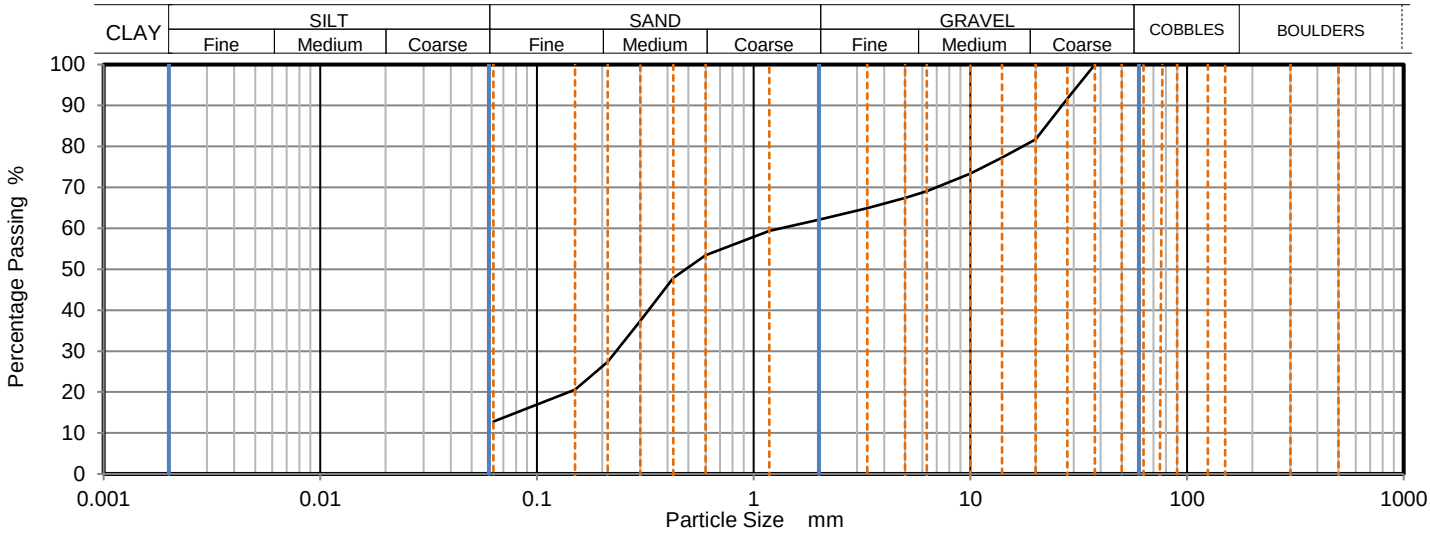
4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	03/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412078	Depth Top [m]:	1.20
Hole No.:	CP105	Depth Base [m]:	1.65
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Brown very gravelly clayey SAND		
Sample Preparation:	Sample was whole tested, oven dried at 107.8 °C and broken down by hand.		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	92		
20	82		
14	77		
10	73		
6.3	69		
5	67		
3.35	65		
2	62		
1.18	59		
0.6	53		
0.425	48		
0.3	37		
0.212	27		
0.15	21		
0.063	13		

Sample Proportions	% dry mass
Very coarse	0
Gravel	38
Sand	49
Fines <0.063 mm	13

Grading Analysis		
D100	mm	37.5
D60	mm	1.34
D30	mm	0.232
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 366.12

4041

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	07/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

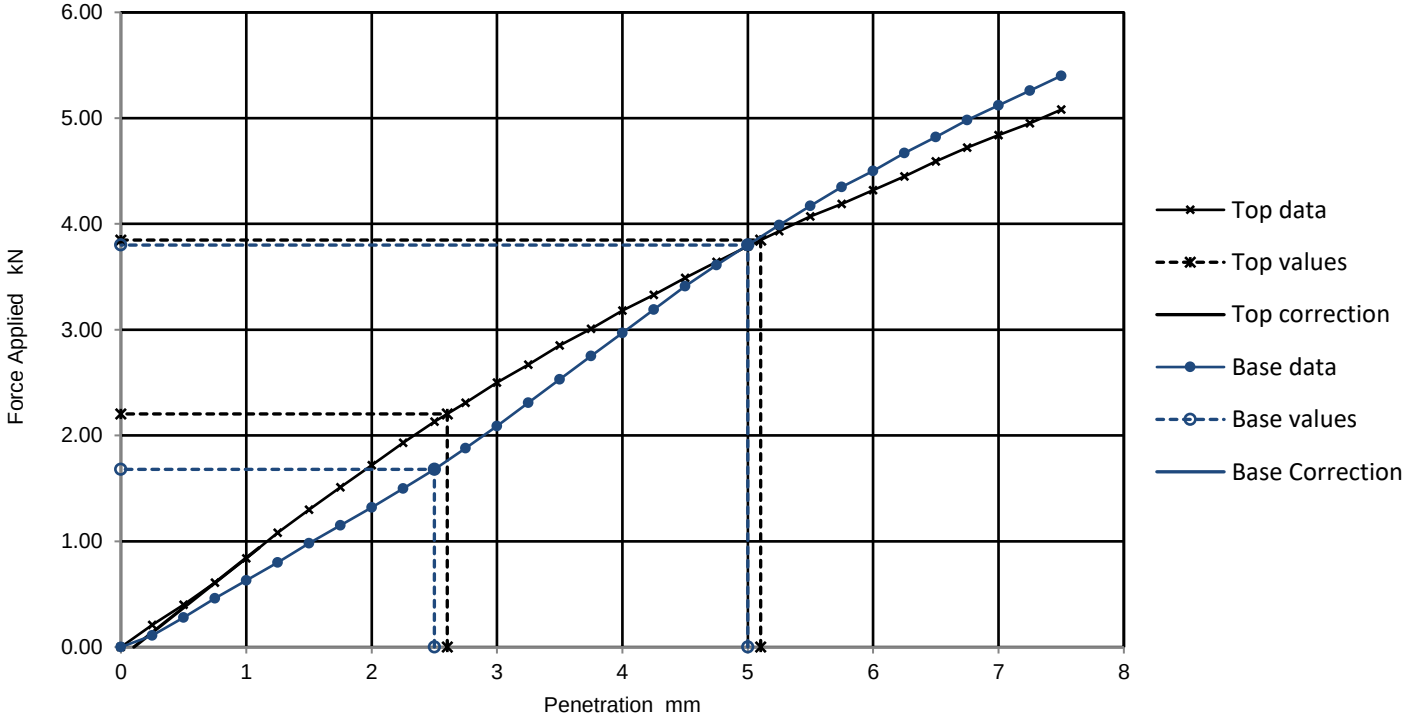
Test Results:

Laboratory Reference:	412061	Depth Top [m]:	0.50
Hole No.:	WS112	Depth Base [m]:	1.00
Sample Reference:	1	Sample Type:	B
Sample Description:	Brown slightly gravelly very clayey SAND		

Specimen Preparation:

Condition	Remoulded			Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer			Period of soaking	days
				Time to surface	days
				Amount of swell recorded	mm
Material retained on 20mm sieve removed		13	%	Dry density after soaking	Mg/m3
Initial Specimen details	Bulk density	2.12	Mg/m3	Surcharge applied	8 kg
	Dry density	1.89	Mg/m3		4.9 kPa
	Water content	12	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	17	19	19	19	13
BASE	No	13	19	19		12

Remarks:

Test/ Specimen specific remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 593.1

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	07/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

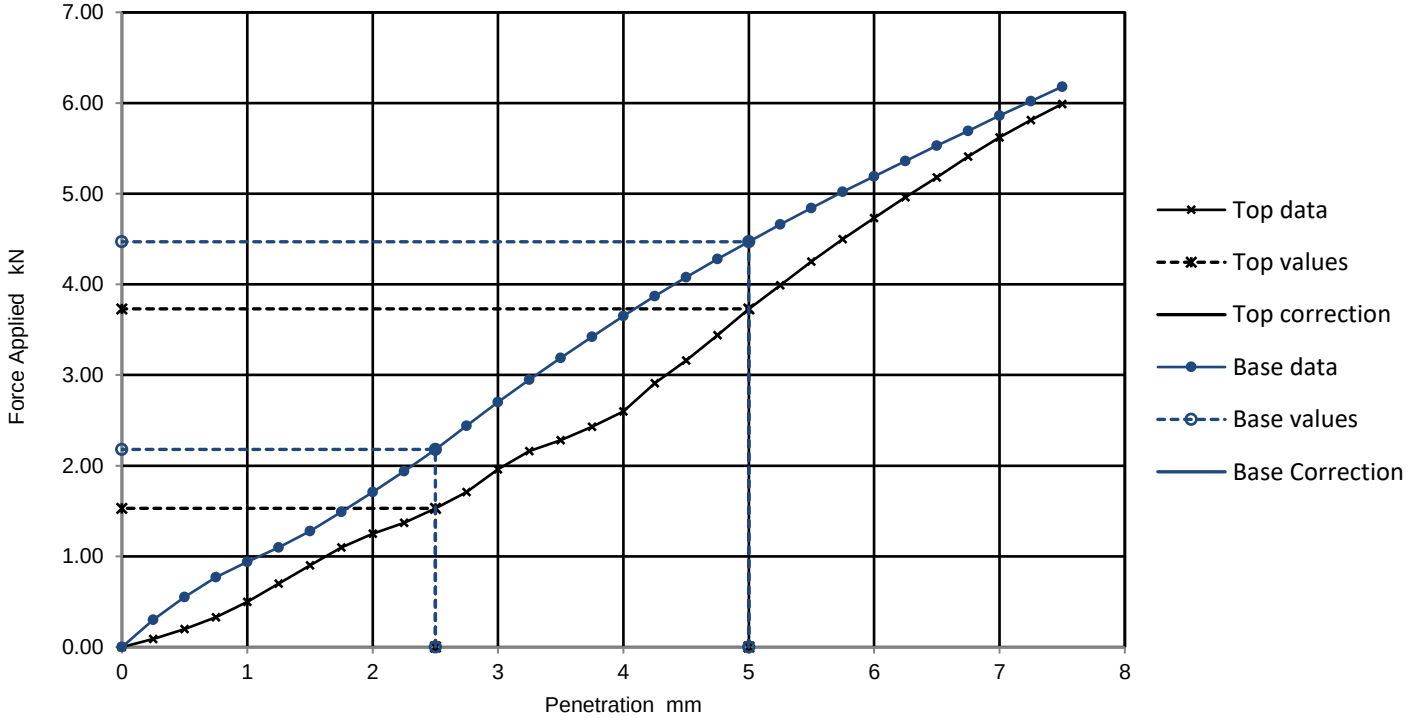
Laboratory Reference:	412062	Depth Top [m]:	0.70
Hole No.:	WS105	Depth Base [m]:	1.00
Sample Reference:	1	Sample Type:	B
Sample Description:	Yellowish brown slightly clayey SAND		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	1 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	1.99	Mg/m3	Surcharge applied	8 kg
	Dry density	1.84	Mg/m3		4.9 kPa
	Water content	8.0	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	12	19	19	21	7.5
BASE	No	17	22	22		7.7

Remarks:

Test/ Specimen specific remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 593.1

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	07/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

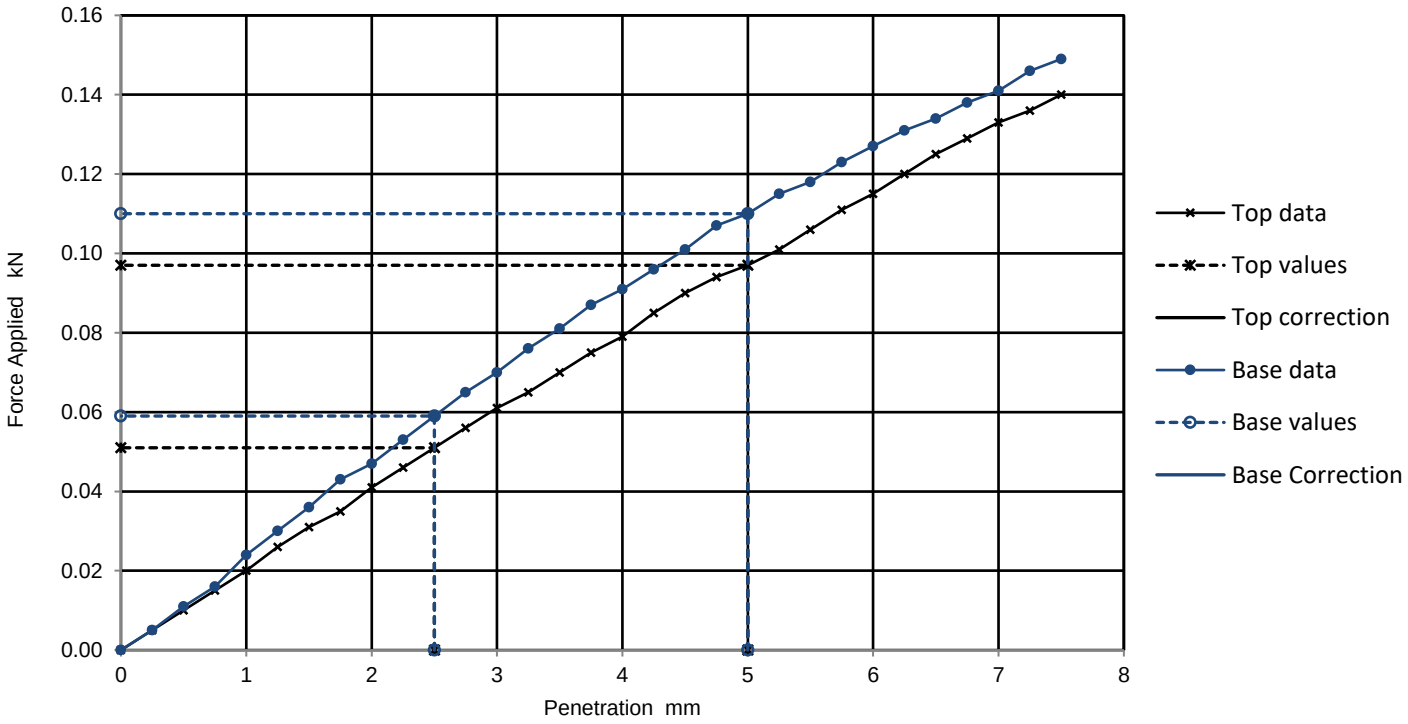
Test Results:

Laboratory Reference:	412063	Depth Top [m]:	0.30
Hole No.:	CP101	Depth Base [m]:	0.60
Sample Reference:	1	Sample Type:	B
Sample Description:	Dark brown slightly gravelly CLAY		

Specimen Preparation:

Condition	Remoulded			Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer			Period of soaking	days
				Time to surface	days
				Amount of swell recorded	mm
Material retained on 20mm sieve removed		15	%	Dry density after soaking	Mg/m3
Initial Specimen details	Bulk density	1.92	Mg/m3	Surcharge applied	8 kg
	Dry density	1.54	Mg/m3		4.9 kPa
	Water content	24	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	No	0.39	0.49	0.49	0.52	26
BASE	No	0.45	0.55	0.55		25

Remarks:

Test/ Specimen specific remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 593.1

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	07/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

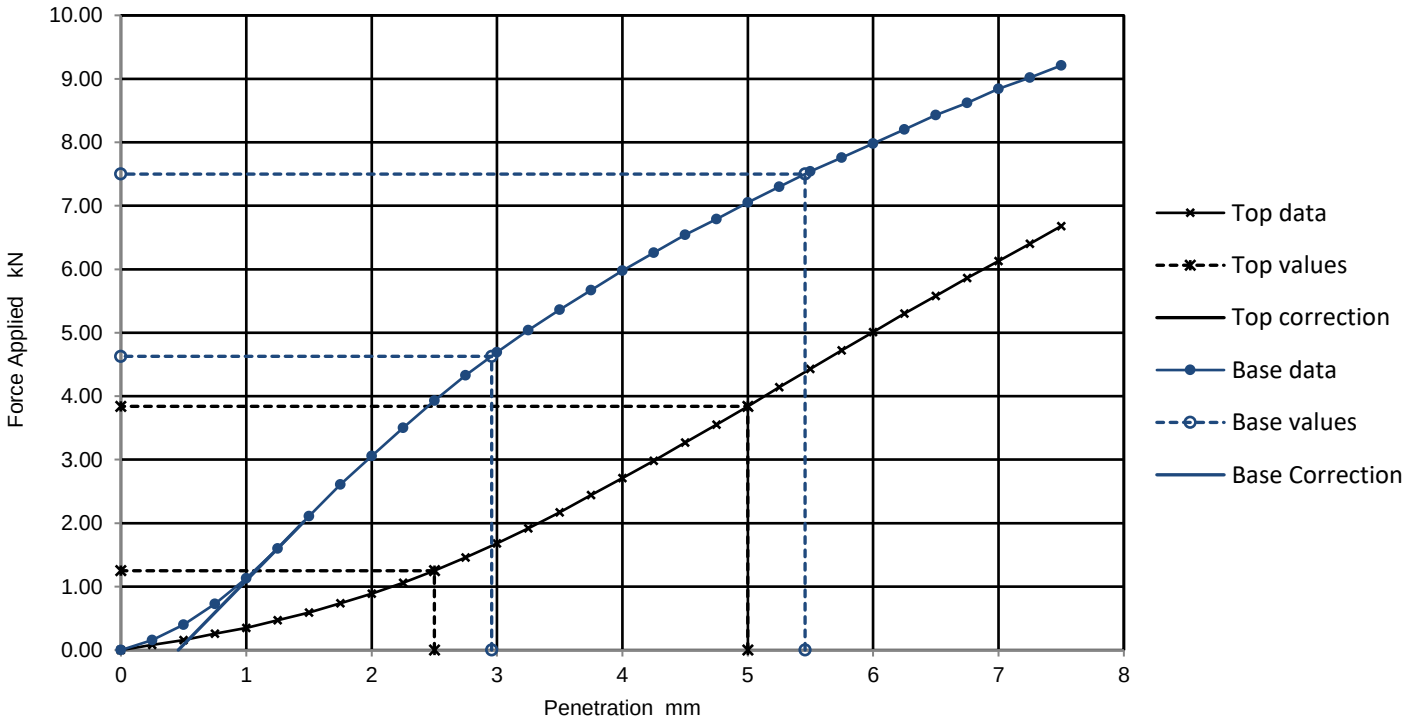
Laboratory Reference:	412064	Depth Top [m]:	0.80
Hole No.:	WS107	Depth Base [m]:	1.20
Sample Reference:	1	Sample Type:	B
Sample Description:	Yellowish brown gravelly SAND		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	10 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	2.01	Mg/m3	Surcharge applied	8 kg
	Dry density	1.88	Mg/m3		4.8 kPa
	Water content	7.1	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Water Content %
TOP	No	9.5	19	19		7.2
BASE	Yes	35	37	37		7.1

Remarks:

Test/ Specimen specific remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 593.1

TEST CERTIFICATE

DETERMINATION OF THE CALIFORNIA BEARING RATIO (CBR)

Tested in Accordance with: BS 1377-2:2022 Cl. 15

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	07/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

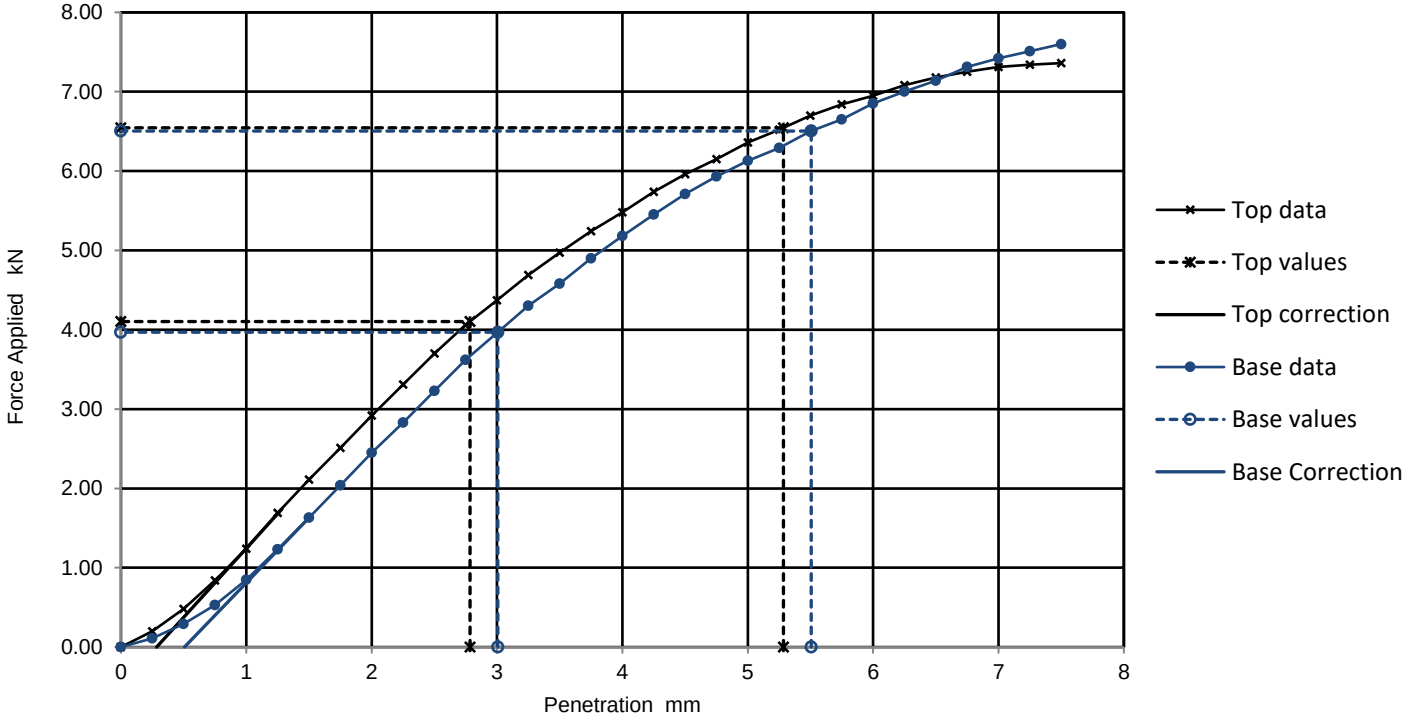
Laboratory Reference:	412066	Depth Top [m]:	1.20
Hole No.:	WS113	Depth Base [m]:	3.00
Sample Reference:	1	Sample Type:	B
Sample Description:	Yellowish brown to brown gravelly clayey SAND		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	25 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	2.20	Mg/m3	Surcharge applied	8 kg
	Dry density	2.04	Mg/m3		4.9 kPa
	Water content	7.8	%		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Water Content %
		2.5mm	5mm	Highest	Average	
TOP	Yes	31	33	33	33	7.4
BASE	Yes	30	33	33		8.4

Remarks:

Test/ Specimen specific remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

TEST CERTIFICATE

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

Tested in Accordance with: BS EN ISO 17982-8:2018, BS 1377-2 Cl. 28:2022

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	19/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	09/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

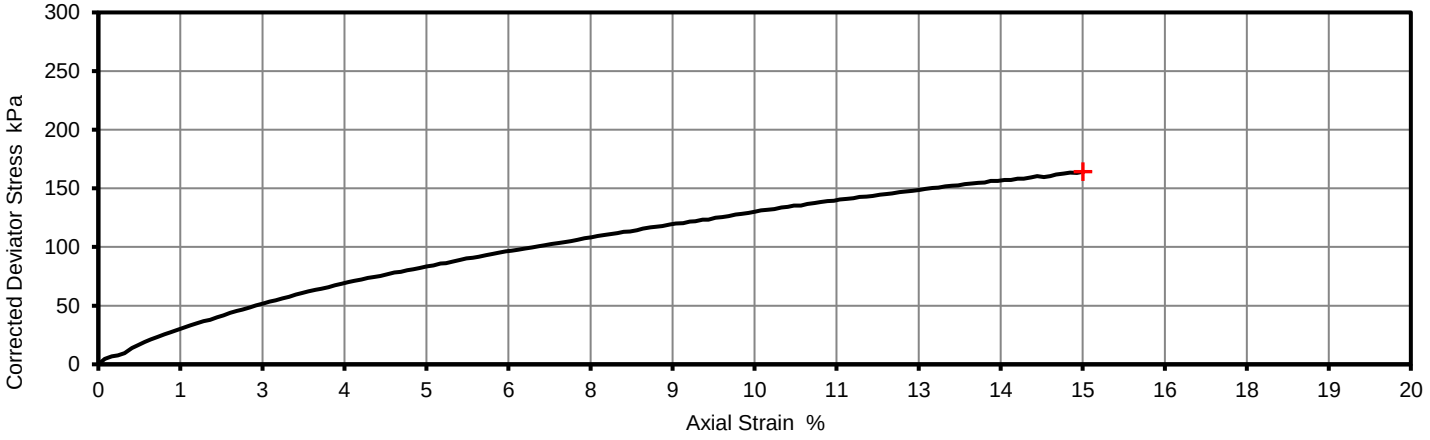
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

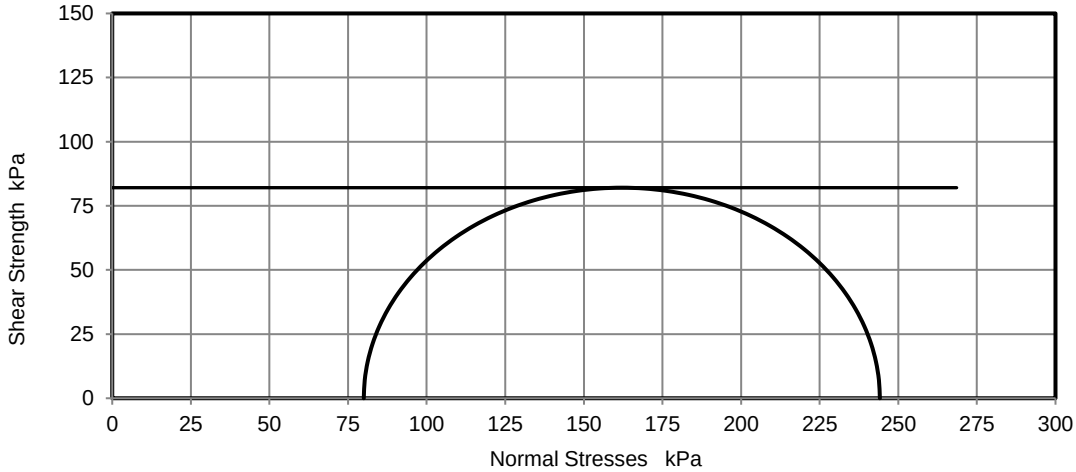
Laboratory Reference:	412056	Depth Top [m]:	4.00
Hole No.:	CP101	Depth Base [m]:	4.45
Sample Reference:	7	Sample Type:	U
Sample Description:	Orangish brown slightly gravelly very sandy CLAY		
Sample Preparation:	Sample prepared in accordance with BS EN ISO 17892-8: 2018 Clause 6.2.		

Test Number	1		Rate of Strain	1.50	%/min
Depth within Sample	-	m	Cell Pressure	80	kPa
Length	201.36	mm	Axial Strain at Failure	15.0	%
Diameter	102.24	mm	Deviator Stress, (σ1 - σ3)f	164	kPa
Length Prior to Shearing	201.36	mm	Undrained Shear Strength, cu	82	kPa ½(σ1 - σ3)f
Bulk Density	2.31	Mg/m3	Mode of Failure	Compound	
Initial Water Content	18.0	%	Membrane Thickness	0.30	mm
Final Water Content	17.4	%	Membrane Correction	2.54	kPa
Dry Density	1.96	Mg/m3			

Deviator Stress v Axial Strain

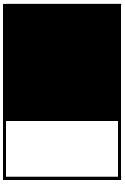


Mohr Circles





Position within sample



Note: Deviator stress corrected for area change and membrane effects.

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 463.4

TEST CERTIFICATE

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

Tested in Accordance with: BS EN ISO 17982-8:2018, BS 1377-2 Cl. 28:2022

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	09/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

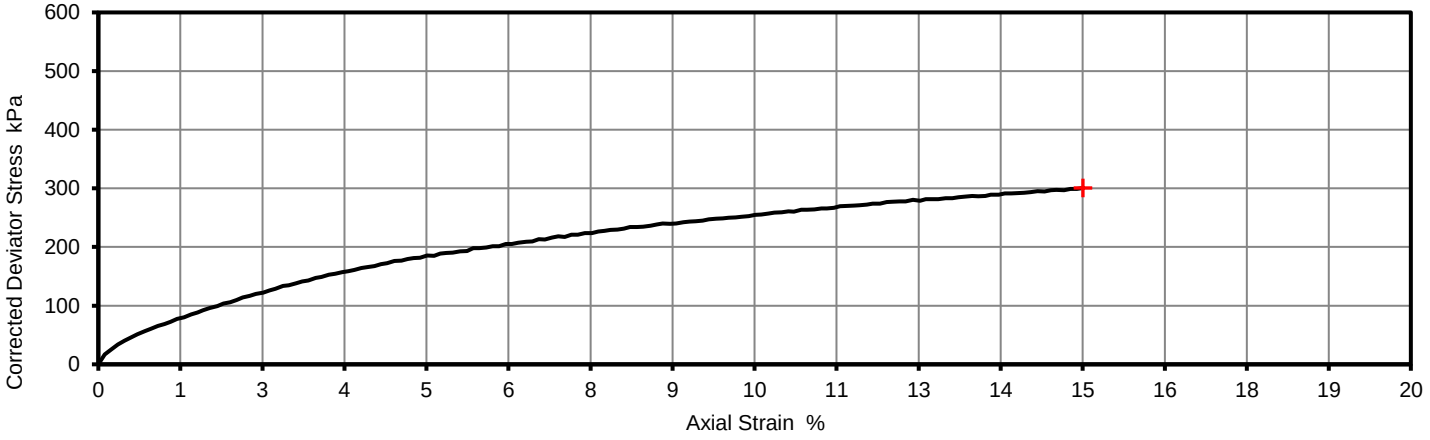
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

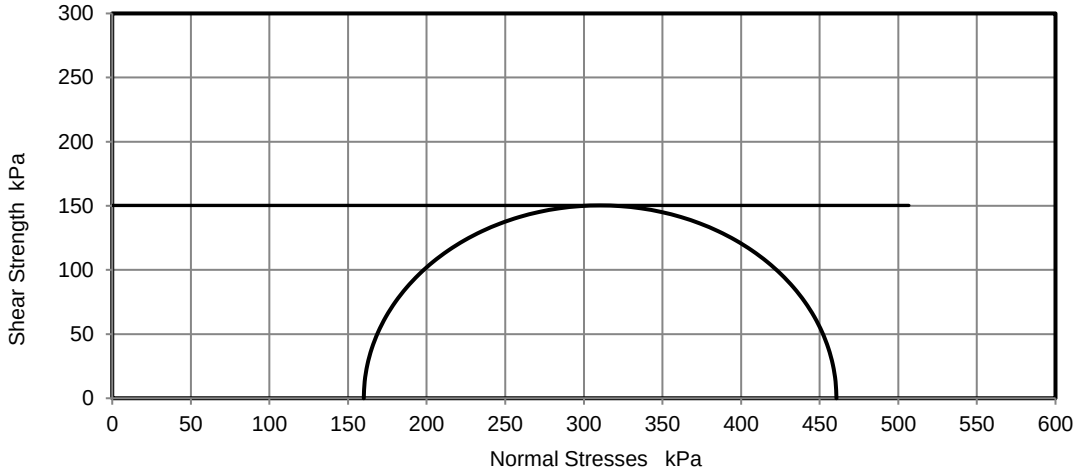
Laboratory Reference:	412057	Depth Top [m]:	8.00
Hole No.:	CP101	Depth Base [m]:	8.45
Sample Reference:	12	Sample Type:	U
Sample Description:	Orangish brown slightly gravelly very sandy CLAY		
Sample Preparation:	Sample prepared in accordance with BS EN ISO 17892-8: 2018 Clause 6.2.		

Test Number	1		Rate of Strain	1.50	%/min
Depth within Sample	-	m	Cell Pressure	160	kPa
Length	140.97	mm	Axial Strain at Failure	15.0	%
Diameter	68.38	mm	Deviator Stress, (σ1 - σ3)f	301	kPa
Length Prior to Shearing	140.95	mm	Undrained Shear Strength, cu	150	kPa ½(σ1 - σ3)f
Bulk Density	2.33	Mg/m3	Mode of Failure	Compound	
Initial Water Content	11.6	%	Membrane Thickness	0.24	mm
Final Water Content	11.1	%	Membrane Correction	3.04	kPa
Dry Density	2.09	Mg/m3			

Deviator Stress v Axial Strain

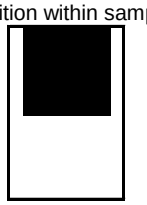


Mohr Circles





Position within sample



Note: Deviator stress corrected for area change and membrane effects.

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 463.4

TEST CERTIFICATE

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

Tested in Accordance with: BS EN ISO 17982-8:2018, BS 1377-2 Cl. 28:2022

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	09/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

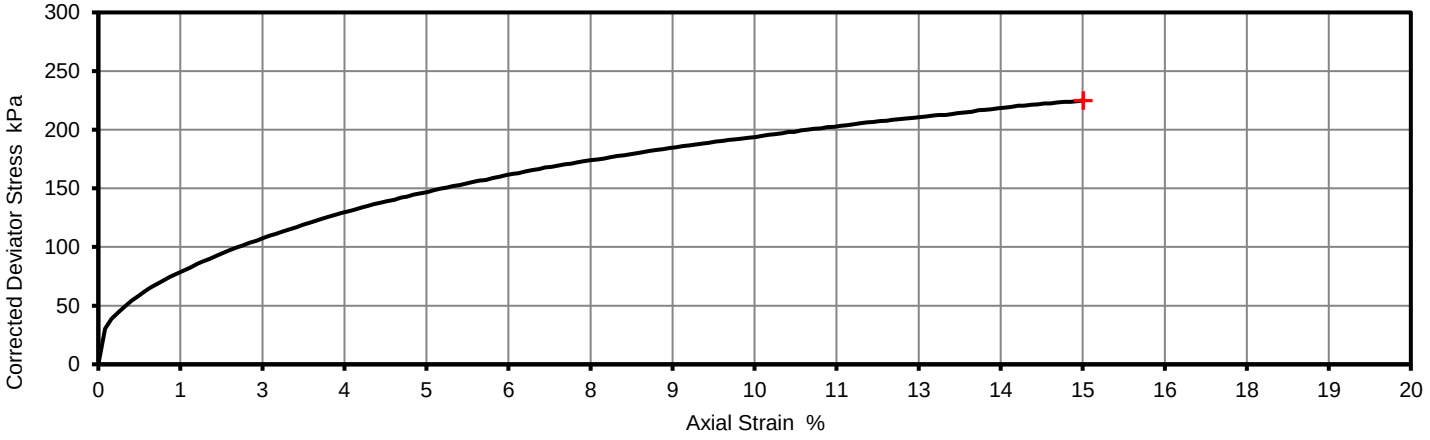
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

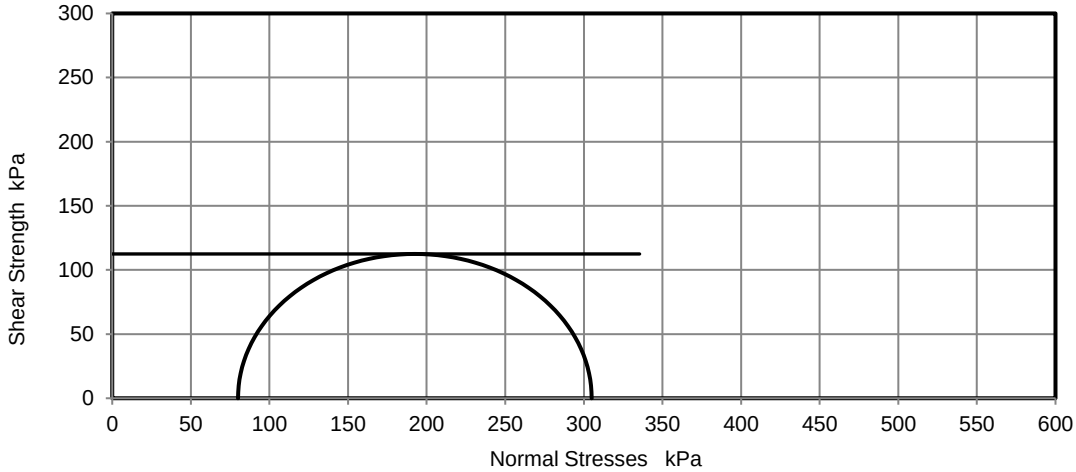
Laboratory Reference:	412058	Depth Top [m]:	4.00
Hole No.:	CP102	Depth Base [m]:	4.45
Sample Reference:	8	Sample Type:	U
Sample Description:	Orangish brown slightly gravelly sandy CLAY		
Sample Preparation:	Sample prepared in accordance with BS EN ISO 17892-8: 2018 Clause 6.2.		

Test Number	1		Rate of Strain	1.50	%/min	
Depth within Sample	-	m	Cell Pressure	80	kPa	
Length	198.46	mm	Axial Strain at Failure	15.0	%	
Diameter	102.49	mm	Deviator Stress, (σ1 - σ3)f	225	kPa	
Length Prior to Shearing	198.44	mm	Undrained Shear Strength, cu	112	kPa	½(σ1 - σ3)f
Bulk Density	2.14	Mg/m3	Mode of Failure	Plastic		
Initial Water Content	20.1	%	Membrane Thickness	0.30	mm	
Final Water Content	19.8	%	Membrane Correction	2.54	kPa	
Dry Density	1.78	Mg/m3				

Deviator Stress v Axial Strain

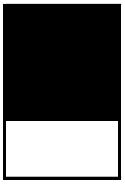


Mohr Circles





Position within sample



Note: Deviator stress corrected for area change and membrane effects.

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 463.4

TEST CERTIFICATE

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

Tested in Accordance with: BS EN ISO 17982-8:2018, BS 1377-2 Cl. 28:2022

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	09/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

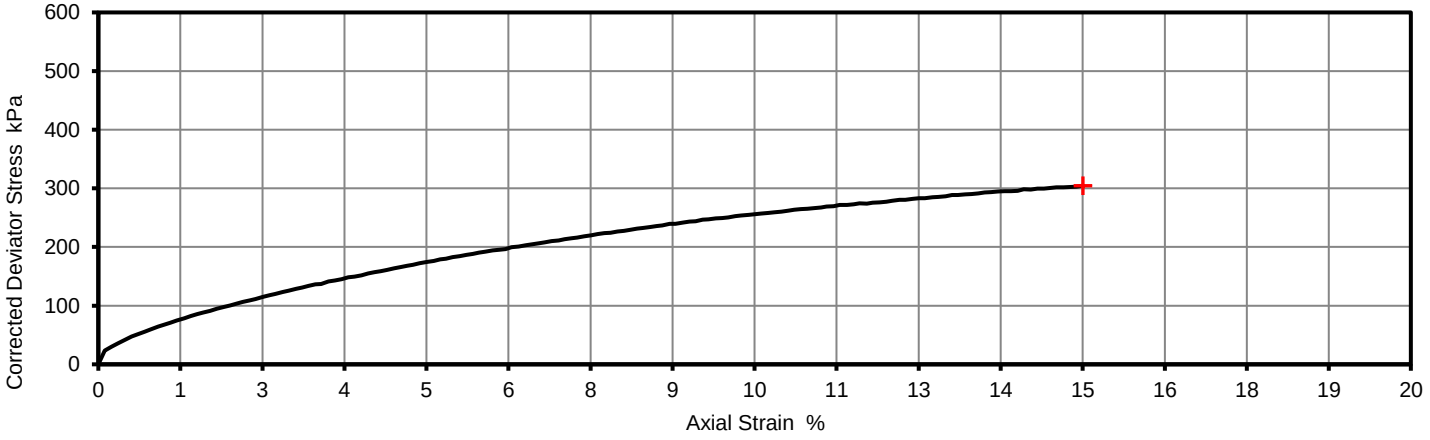
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

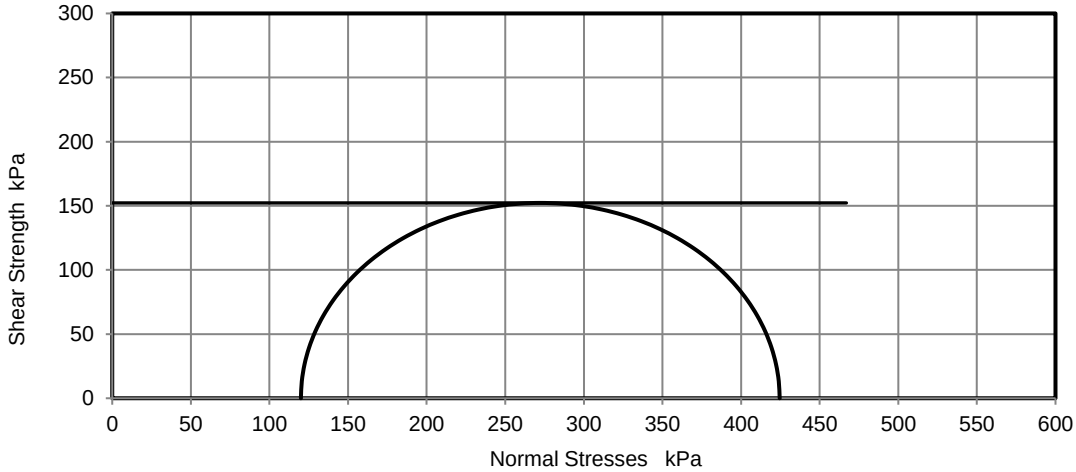
Laboratory Reference:	412059	Depth Top [m]:	6.00
Hole No.:	CP103	Depth Base [m]:	6.95
Sample Reference:	10	Sample Type:	U
Sample Description:	Brown slightly gravelly clayey SAND		
Sample Preparation:	Sample prepared in accordance with BS EN ISO 17892-8: 2018 Clause 6.2.		

Test Number	1		Rate of Strain	1.50	%/min
Depth within Sample	-	m	Cell Pressure	120	kPa
Length	200.79	mm	Axial Strain at Failure	15.0	%
Diameter	102.27	mm	Deviator Stress, (σ1 - σ3)f	305	kPa
Length Prior to Shearing	200.79	mm	Undrained Shear Strength, cu	152	kPa ½(σ1 - σ3)f
Bulk Density	2.32	Mg/m3	Mode of Failure	Compound	
Initial Water Content	11.7	%	Membrane Thickness	0.27	mm
Final Water Content	11.0	%	Membrane Correction	2.29	kPa
Dry Density	2.07	Mg/m3			

Deviator Stress v Axial Strain

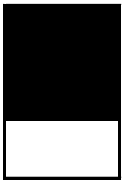


Mohr Circles





Position within sample



Note: Deviator stress corrected for area change and membrane effects.

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 463.4

4041

TEST CERTIFICATE

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST

Tested in Accordance with: BS EN ISO 17982-8:2018, BS 1377-2 Cl. 28:2022

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

Environmental Science

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	09/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

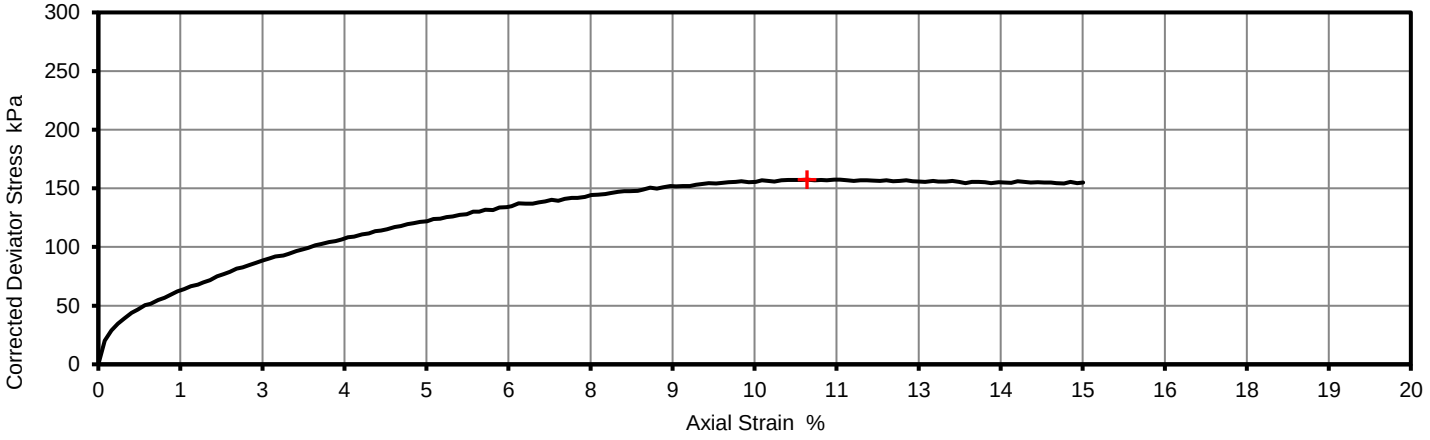
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

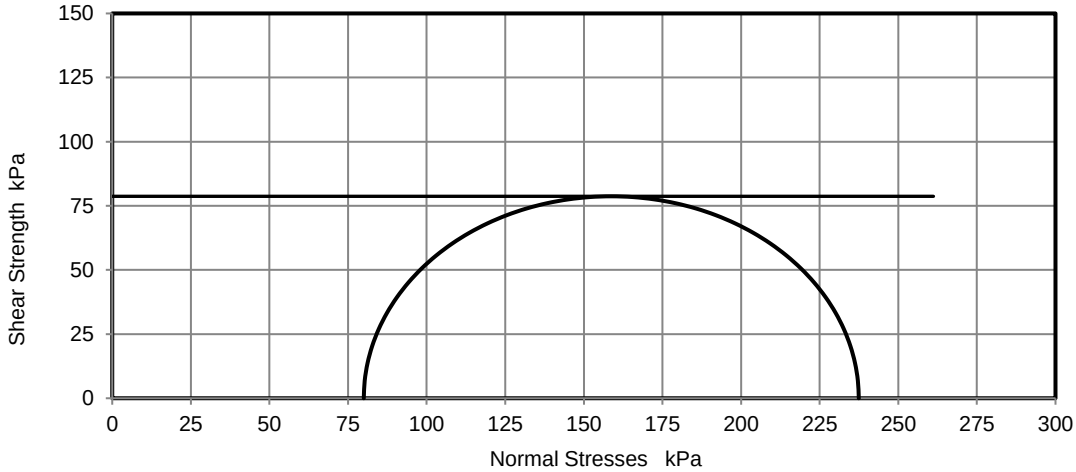
Laboratory Reference:	412060	Depth Top [m]:	4.00
Hole No.:	CP105	Depth Base [m]:	4.45
Sample Reference:	Not Given	Sample Type:	U
Sample Description:	Orangish brown slightly sandy CLAY		
Sample Preparation:	Sample prepared in accordance with BS EN ISO 17892-8: 2018 Clause 6.2.		

Test Number	1		Rate of Strain	1.50	%/min	
Depth within Sample	-	m	Cell Pressure	80	kPa	
Length	140.56	mm	Axial Strain at Failure	10.8	%	
Diameter	68.43	mm	Deviator Stress, (σ1 - σ3)f	157	kPa	
Length Prior to Shearing	140.54	mm	Undrained Shear Strength, cu	79	kPa	½(σ1 - σ3)f
Bulk Density	2.04	Mg/m3	Mode of Failure	Brittle		
Initial Water Content	21.5	%	Membrane Thickness	0.24	mm	
Final Water Content	23.1	%	Membrane Correction	2.19	kPa	
Dry Density	1.68	Mg/m3				

Deviator Stress v Axial Strain

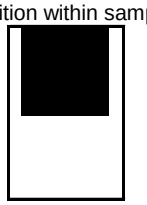


Mohr Circles





Position within sample



Note: Deviator stress corrected for area change and membrane effects.

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 463.4

TEST CERTIFICATE

INCREMENTAL LOADING OEDOMETER TEST

Tested in Accordance with: BS EN ISO 17892-5:2017, BS 1377-2:2022 Cl. 16 & 17

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

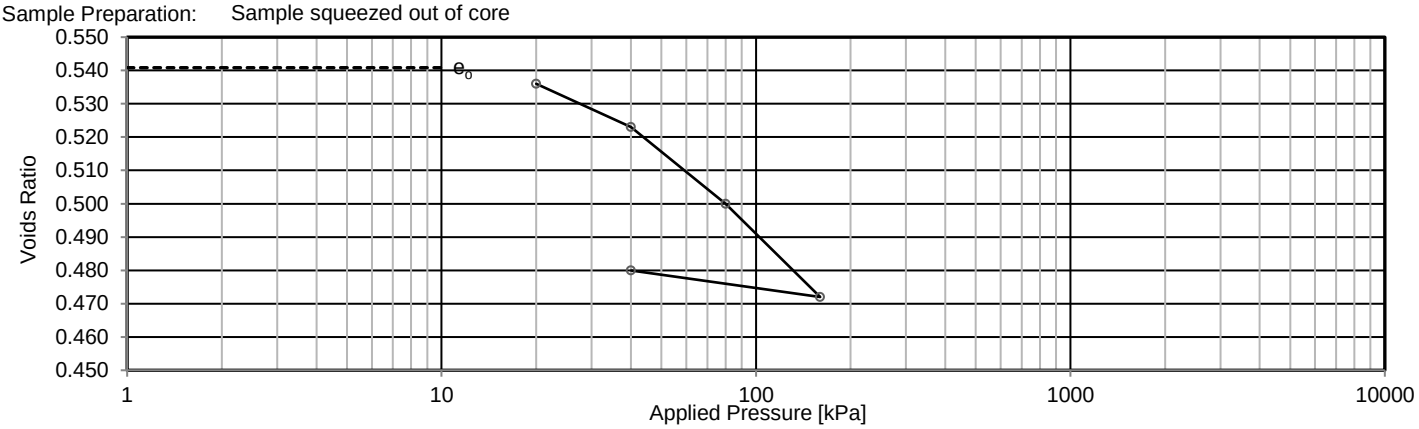
Environmental Science

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	19/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	09/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412056	Depth Top [m]:	4.00
Hole No.:	CP101	Depth Base [m]:	4.45
Sample Reference:	7	Sample Type:	U
Sample Description:	Orangish brown slightly gravelly very sandy CLAY		
Sample Preparation:	Sample squeezed out of core		



Specimen details	Diameter [mm]	Height [mm]	Water content * [%]	Bulk density [Mg/m3]	Dry density [Mg/m3]	Voids ratio -	Degree of saturation [%]	Avg. temp for test [°C]	Swelling pressure [kPa]	Total test time [days]
Initial	50.03	20.03	21.0	2.08	1.72	0.541	103	22	Not measured	5
Final	-	19.25	20.5	2.16	1.79	0.480	113			

Sample orientation: Vertical

Particle density: assumed 2.65 Mg/m3

Pressure [kPa]	Voids ratio -	Eoed [MPa]	Mv [m2/MN]	Cv (t50, log) [m2/yr]	Cv (t90, root) [m2/yr]	Cα ## -
0	0.541	-	-	-	-	-
20	0.536	6.1	0.16	2.3	0.75	0.00023
40	0.523	2.4	0.42	1.2	0.88	0.00035
80	0.5	2.8	0.37	2.2	0.82	0.00064
160	0.472	4.3	0.24	2.5	0.87	0.0011
40	0.48	20.9	0.05			

Note: Cv corrected to 20°C, results have been corrected for equipment deformation; * Initial WC calculated from trimmings; ## The parameter has been determined based on an approximate estimation and falls outside the scope of UKAS accreditation

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 448.8

TEST CERTIFICATE

INCREMENTAL LOADING OEDOMETER TEST
Tested in Accordance with: BS EN ISO 17892-5:2017,
BS 1377-2:2022 Cl. 16 & 17

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB

4041

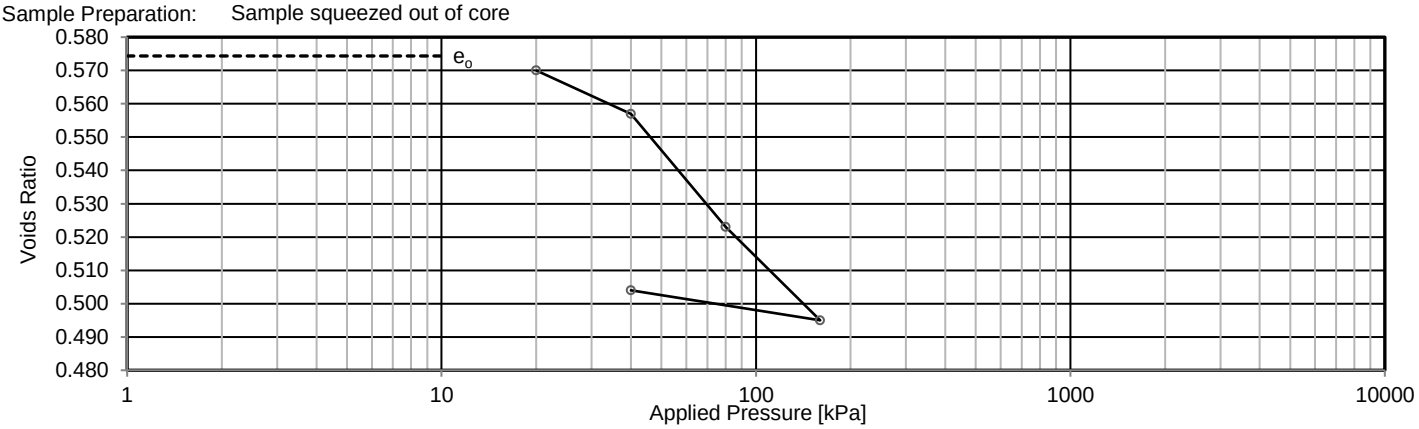
Environmental Science

Client:	Hydrock Consultants Ltd	Client Reference:	35838
Client Address:	4 Lakeside, Festival Park, Stoke on Trent, ST1 5RY	Job Number:	24-060162-1
		Date Sampled:	17/12/2024
		Date Received:	18/12/2024
Contact:	Becky Homer	Date Tested:	08/01/2025
Site Address:	Sharston Industrial Estate	Sampled By:	Client - BH

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	412058	Depth Top [m]:	4.00
Hole No.:	CP102	Depth Base [m]:	4.45
Sample Reference:	8	Sample Type:	U
Sample Description:	Orangish brown slightly gravelly sandy CLAY		
Sample Preparation:	Sample squeezed out of core		



Specimen details	Diameter [mm]	Height [mm]	Water content * [%]	Bulk density [Mg/m3]	Dry density [Mg/m3]	Voids ratio -	Degree of saturation [%]	Avg. temp for test [°C]	Swelling pressure [kPa]	Total test time [days]
Initial	50.04	20.06	22.2	2.06	1.68	0.574	102	22	Not measured	5
Final	-	19.16	22.7	2.16	1.76	0.504	119			

Sample orientation: Vertical

Particle density: assumed 2.65 Mg/m3

Pressure [kPa]	Voids ratio -	Eoed [MPa]	Mv [m2/MN]	Cv (t50, log) [m2/yr]	Cv (t90, root) [m2/yr]	Cα ## -
0	0.574	-	-	-	-	-
20	0.57	6.6	0.15	N/A	N/A	N/A
40	0.557	2.6	0.39	13	8.5	0.00037
80	0.523	1.8	0.56	30	37	0.00064
160	0.495	4.5	0.23	1.4	0.77	0.00066
40	0.504	20.9	0.05			

Note: Cv corrected to 20°C, results have been corrected for equipment deformation; * Initial WC calculated from trimmings; ## The parameter has been determined based on an approximate estimation and falls outside the scope of UKAS accreditation

Remarks:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed: Monika Siewior

Monika Siewior
Reporting Specialist
for and on behalf of i2 Analytical Ltd

Date Reported: 14/01/2025

GF 448.8

Hydrock Consultants Ltd
4 Lakeside
Festival Park
Stoke on Trent
ST1 5RY

t: 01782 261919

e: beckyhomer@hydrock.com
markgriffiths@hydrock.com

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

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

Analytical Report Number : 24-060164

Project / Site name:	Sharston Industrial Estate	**Samples received on:**	18/12/2024
Your job number:	35838	**Samples instructed on/ Analysis started on:**	18/12/2024
Your order number:	PO38559	**Analysis completed by:**	24/12/2024
Report Issue Number:	1	**Report issued on:**	24/12/2024
Samples Analysed:	6 soil samples		

Signed:

Adan Cazas Garcia
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
air	- once the analysis is complete

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 are representative of the samples submitted for analysis.

Analytical Report Number: 24-060164
Project / Site name: Sharston Industrial Estate
Your Order No: PO38559

Lab Sample Number				412079	412080	412081	412082	412083
Sample Reference				WS105	WS104	CP102	CP103	WS104
Sample Number				1	1	10	1	None Supplied
Water Matrix				N/A	N/A	N/A	N/A	N/A
Depth (m)				0.70-1.00	0.20-0.50	5.00-5.45	0.30-0.60	1.20-3.00
Date Sampled				11/12/2024	17/12/2024	11/12/2024	09/12/2024	17/12/2024
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	56.3	< 0.1	< 0.1	45.7
Moisture Content	%	0.01	NONE	6.6	13	21	21	6
Total mass of sample received	kg	0.1	NONE	0.5	0.5	0.5	0.5	0.5
General Inorganics								
Organic Matter (automated)	%	0.1	MCERTS	0.6	2.8	1.4	1.3	0.4

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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: 24-060164
Project / Site name: Sharston Industrial Estate
Your Order No: PO38559

Lab Sample Number				412084
Sample Reference				CP105
Sample Number				None Supplied
Water Matrix				N/A
Depth (m)				1.20-1.65
Date Sampled				12/12/2024
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Test Limit of detection**	**Test Accreditation Status**	
Stone Content	%	0.1	NONE	57.2
Moisture Content	%	0.01	NONE	7.5
Total mass of sample received	kg	0.1	NONE	0.5
General Inorganics				
Organic Matter (automated)	%	0.1	MCERTS	0.6

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 24-060164
Project / Site name: Sharston Industrial Estate

* 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 *
412079	WS105	1	0.70-1.00	Brown sand with gravel
412080	WS104	1	0.20-0.50	Brown sand with gravel and brick
412081	CP102	10	5.00-5.45	Brown clay
412082	CP103	1	0.30-0.60	Brown clay and sand with gravel
412083	WS104	None Supplied	1.20-3.00	Brown sand with gravel and stones
412084	CP105	None Supplied	1.20-1.65	Brown sand with gravel and stones

Analytical Report Number : 24-060164
Project / Site name: Sharston Industrial Estate

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
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
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

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.

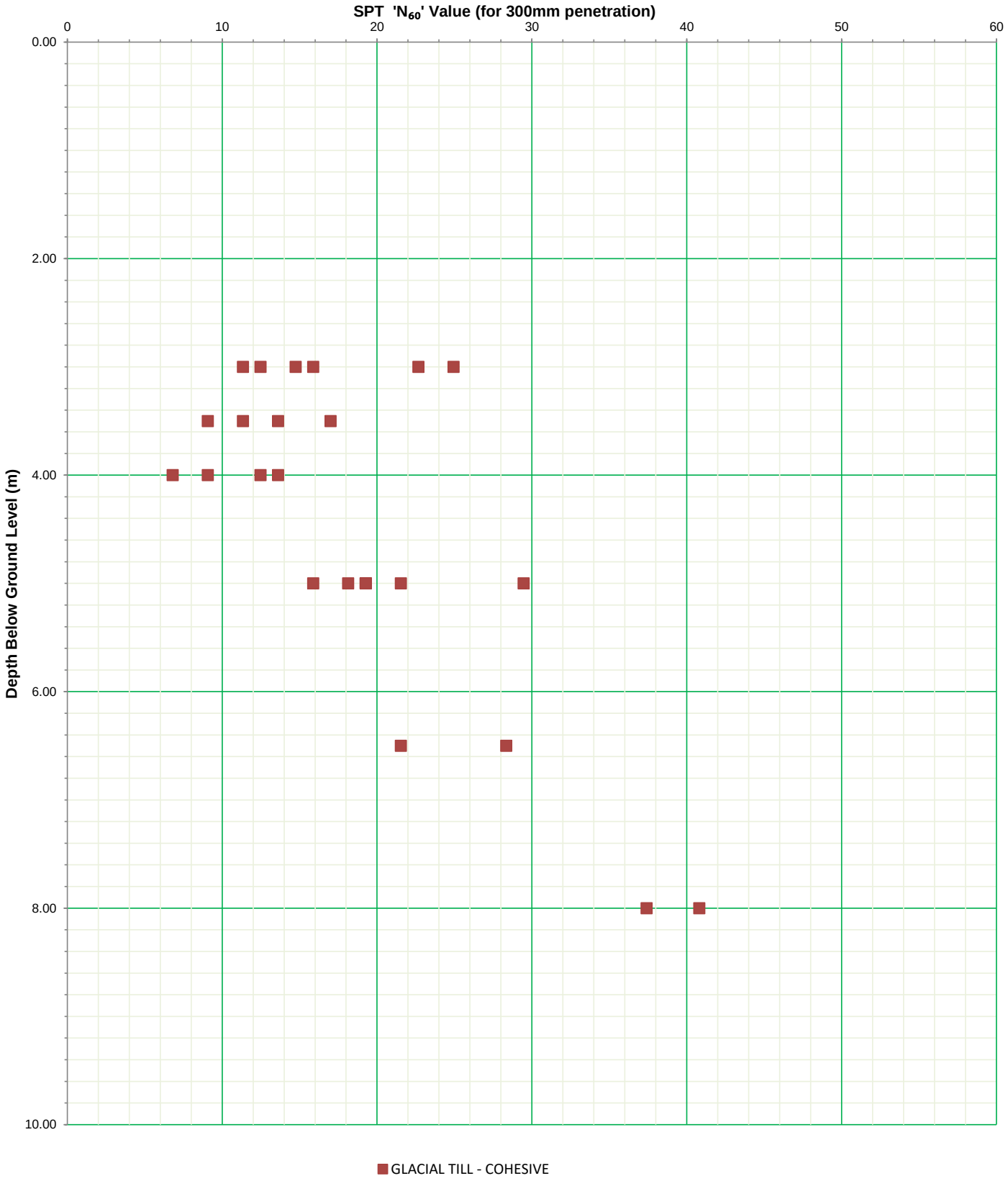
Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

Geotechnical plots

Hydrock

SPT 'N_{60}' VALUES COHESIVE NATURAL STRATA vs DEPTH

Site:	Client:	Contract No.	35838
Sharston Road, Sharston	Kier Property Ltd	All Data	

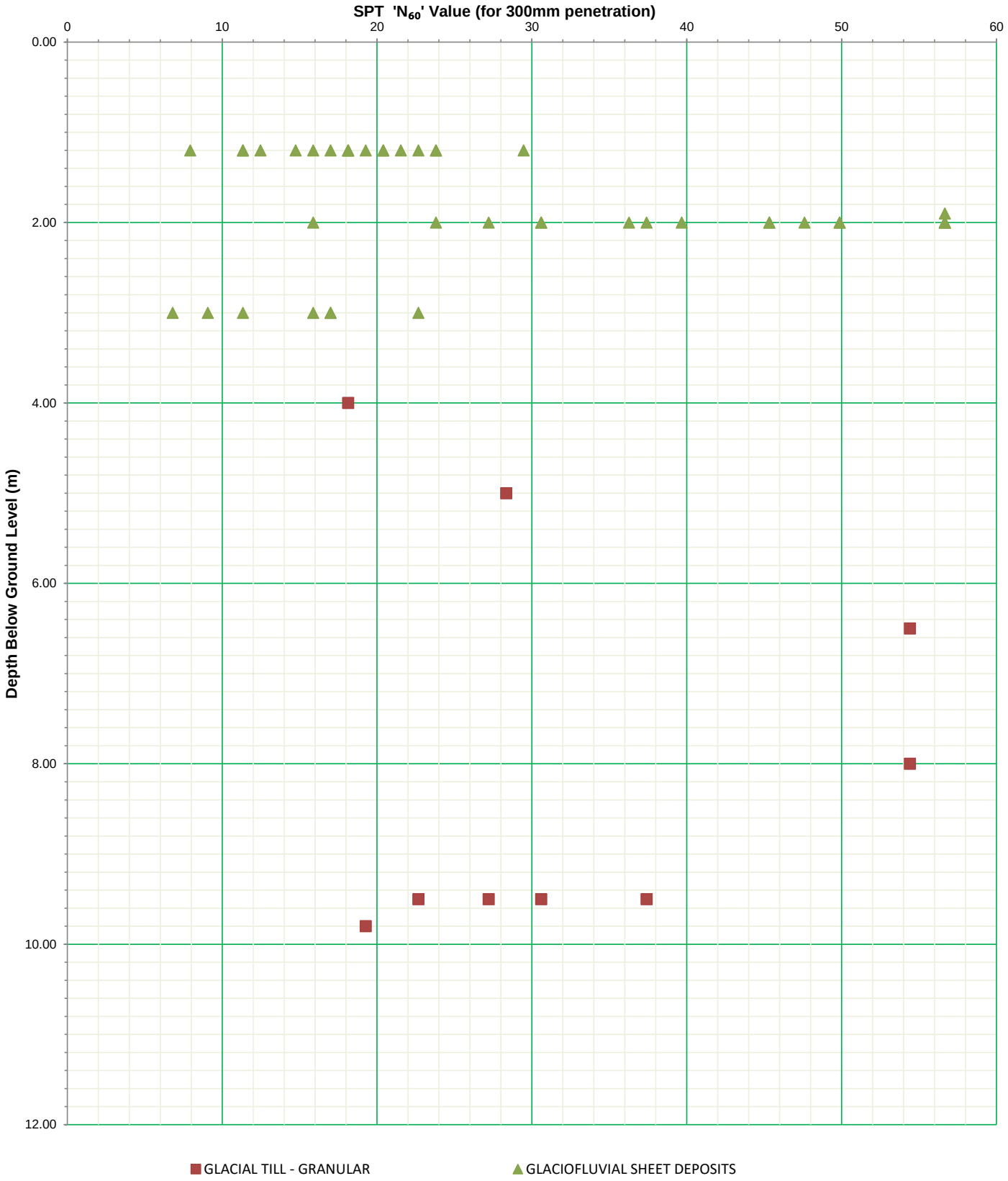


Template Version	1.2	Template Date	16/05/2024

Hydrock

SPT 'N_{60}' VALUES GRANULAR NATURAL STRATA vs DEPTH

Site:	Client:	Contract No.	35838
Sharston Road, Sharston	Kier Property Ltd	All Data	

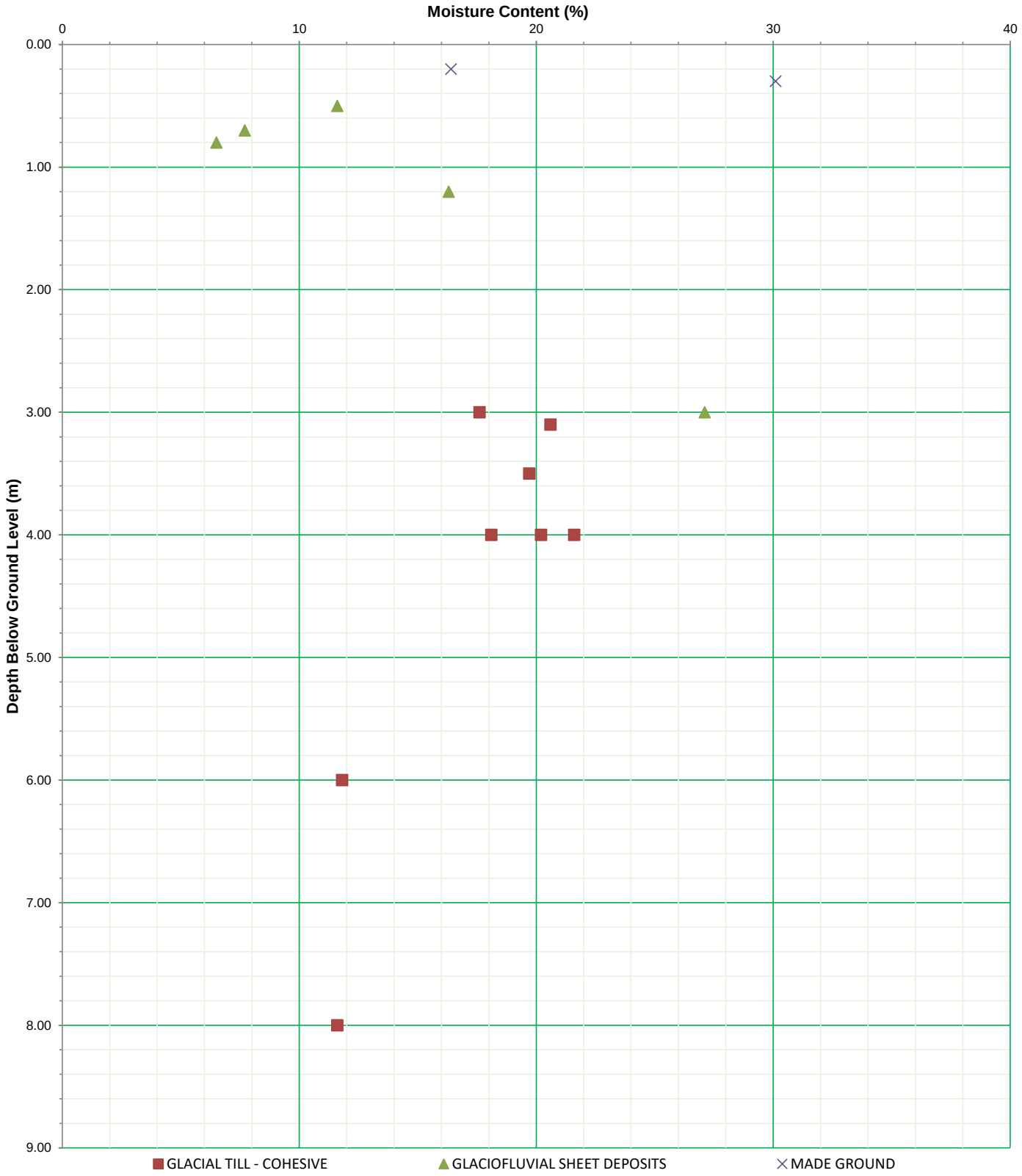


Template Version	1.2	Template Date	16/05/2024

Hydrock

MOISTURE CONTENT vs DEPTH

Site:	Client:	Contract No.	35838
Sharston Road, Sharston	Kier Property Ltd	All Data	

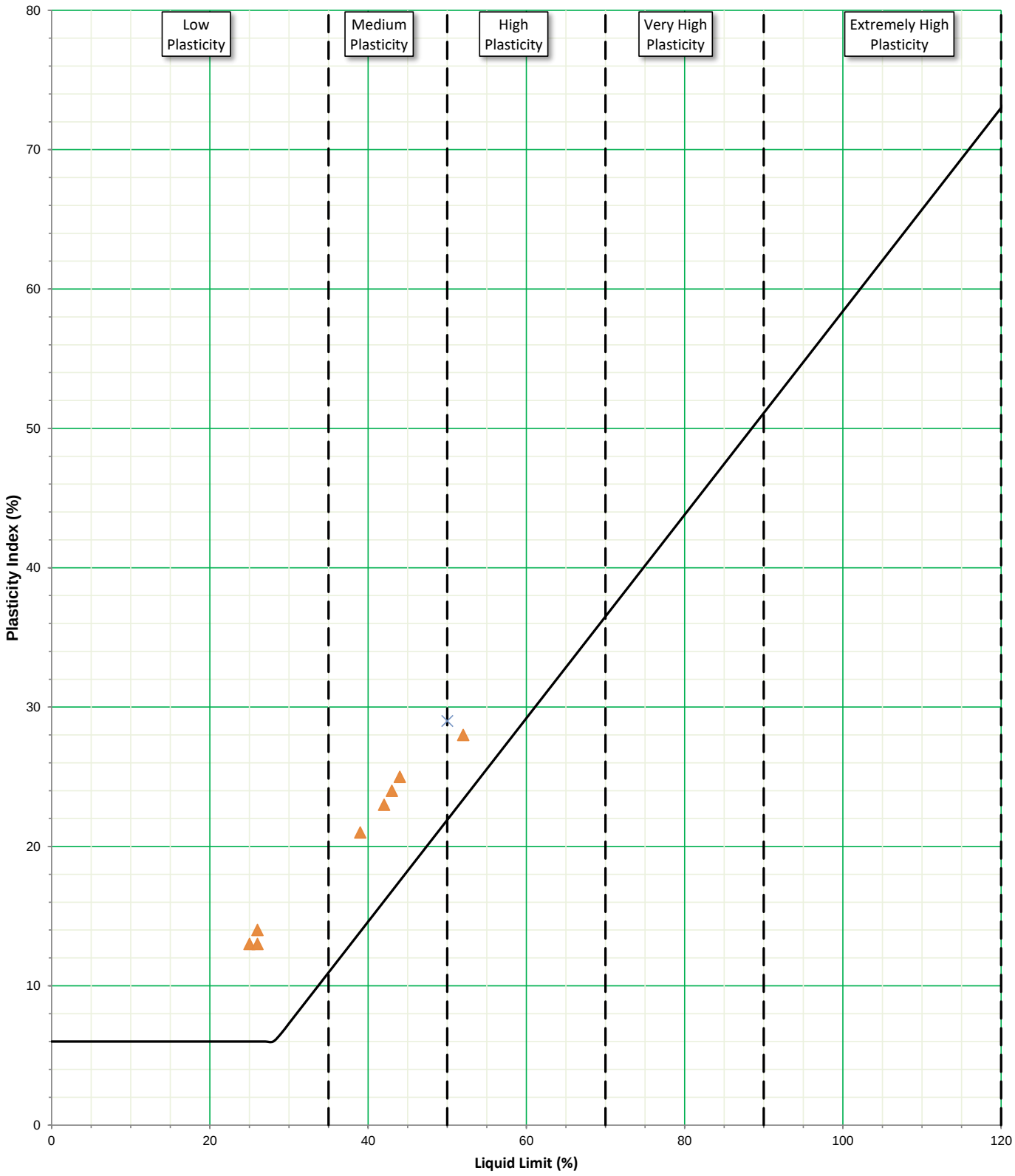


Template Version	1.2	Template Date	16/05/2024

Hydrock

PLASTICITY CLASSIFICATION CHART

Site:	Client:	Contract No.	35838
Sharston Road, Sharston	Kier Property Ltd	All Data	



Template Version	1.2	Template Date	16/05/2024

Hydrock

Client	Location or material to which this assessment applies
Kier Property Limited	Glaciofluvial Sheet Deposits
Project	
Sharston Industrial Estate	
Job number	
35838	

Concrete in aggressive ground

After BRE Special Digest 1:2005 + 2017 3e

Soil data

	(Adjusted) water soluble sulfate (mg/l)	Total potential sulfate (%)	Water soluble magnesium (mg/l)
Number of tests	6	6	6
No. tests in 20% data set	1	1	1
No. tests with suspected pyrite		0	
Maximum value	476.84	0.2	7.3
Mean of highest two values	355	0	7
Mean of highest 20%			
Characteristic Value	**355**	**0**	**7**

	[no pyrite]	**[pyrite suspected]**
DS Class	**DS-1**	**DS-1**

If pyrite suspected, DS Class limited to **DS-1**

Is pyrite assumed to be present? **No** **Adopted DS Class =** **DS-1**

Water data

	(Adjusted) soluble sulfate (mg/l)	Soluble magnesium (mg/l)
Characteristic Value (Maximum Level)	0	0
DS Class		

pH data

	Soil	Water
Number of tests	6	0
No. tests in 20% data set	1	
Lowest pH	7.0	
Mean of lowest 20%	7.0	
Characteristic value	**7.0**	
Design value	**7.0**	
Number of soil pH results less than 5.5	0	

DS Class design value

Based on higher of soil and water data **DS-1**

ACEC Class design value

Natural ground

Mobile groundwater **AC-1 ***

* increase to AC-2z in flowing water (pure or with >15mg/l carbon dioxide)

Client	Location or material to which this assessment applies
Kier Property Limited	Made Ground
Project	
Sharston Industrial Estate	
Job number	
35838	

Concrete in aggressive ground

After BRE Special Digest 1:2005 + 2017 3e

Soil data

	(Adjusted) water soluble sulfate (mg/l)	Total potential sulfate (%)	Water soluble magnesium (mg/l)
Number of tests	3	3	3
No. tests in 20% data set	1	1	1
No. tests with suspected pyrite		0	
Maximum value	252.8	0.1	14
Mean of highest two values	235	0	9
Mean of highest 20%			
Characteristic Value	**252.8**	**0.1**	**14**

	[no pyrite]	**[pyrite suspected]**
DS Class	**DS-1**	**DS-1**

If pyrite suspected, DS Class limited to **DS-1**

Is pyrite assumed to be present? **No** **Adopted DS Class =** **DS-1**

Water data

	(Adjusted) soluble sulfate (mg/l)	Soluble magnesium (mg/l)
Characteristic Value (Maximum Level)	0	0

DS Class

pH data

	Soil	Water
Number of tests	3	0
No. tests in 20% data set	1	
Lowest pH	7.8	
Mean of lowest 20%	7.8	
Characteristic value	**7.8**	
Design value	**7.8**	

Number of soil pH results less than 5.5: 0

DS Class design value

Based on higher of soil and water data **DS-1**

ACEC Class design value

Natural ground

Mobile groundwater **AC-1 ***

* increase to AC-2z in flowing water (pure or with >15mg/l carbon dioxide)

Hydrock

Client	Location or material to which this assessment applies
Kier Property Limited	GLACIAL TILL - COHESIVE
Project	
Sharston Industrial Estate	
Job number	
35838	

Concrete in aggressive ground

After BRE Special Digest 1:2005 + 2017 3e

Soil data

	(Adjusted) water soluble sulfate (mg/l)	Total potential sulfate (%)	Water soluble magnesium (mg/l)
Number of tests	1	1	1
No. tests in 20% data set	0	0	
No. tests with suspected pyrite		0	
Maximum value	101.705	0	6.2
Mean of highest two values	102	0	6
Mean of highest 20%			
Characteristic Value	**101.705**	**0**	**6.2**

	[no pyrite]	[pyrite suspected]
DS Class	**DS-1**	**DS-1**

If pyrite suspected, DS Class limited to **DS-1**

Is pyrite assumed to be present? No **Adopted DS Class =** **DS-1**

Water data

	(Adjusted) soluble sulfate (mg/l)	Soluble magnesium (mg/l)
Characteristic Value (Maximum Level)	0	0

DS Class

pH data

	Soil	Water
Number of tests	1	0
No. tests in 20% data set	0	
Lowest pH	7.6	
Mean of lowest 20%		
Characteristic value	**7.6**	
Design value	**7.6**	

Number of soil pH results less than 5.5: 0

DS Class design value

Based on higher of soil and water data **DS-1**

ACEC Class design value

Natural ground

Mobile groundwater **AC-1 ***

* increase to AC-2z in flowing water (pure or with >15mg/l carbon dioxide)

Appendix E Site monitoring data and ground gas risk assessment

Site monitoring data

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS101	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.03	0.00	0.20	3.70	19.40	0.00	0.00	NM
0:00:30	-	0.00	0.20	3.70	18.10	0.00	0.00	NM
0:01:00	-	0.00	0.20	3.70	18.10	0.00	0.00	NM
0:02:00	-		0.20	3.70	18.10	0.00	0.00	NM
0:03:00	-		0.20	3.70	18.10	0.00	0.00	NM
0:04:00	-		0.20	3.60	18.20	0.00	0.00	NM
0:05:00	-		0.20	3.60	18.20	0.00	0.00	NM
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

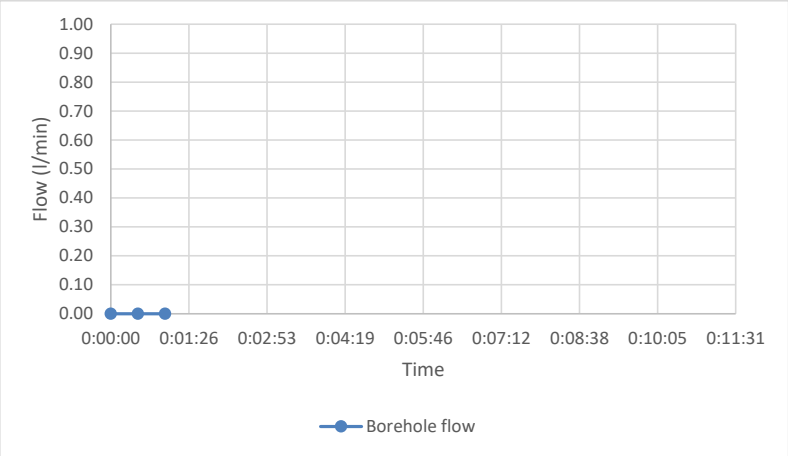
QA/QC Samples

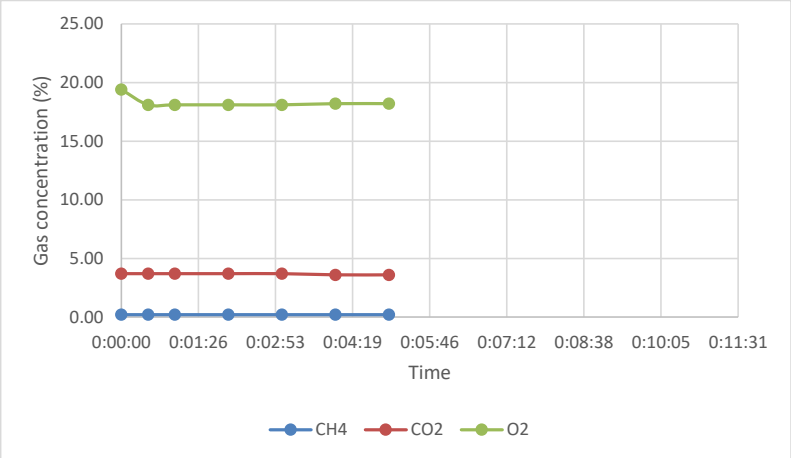
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

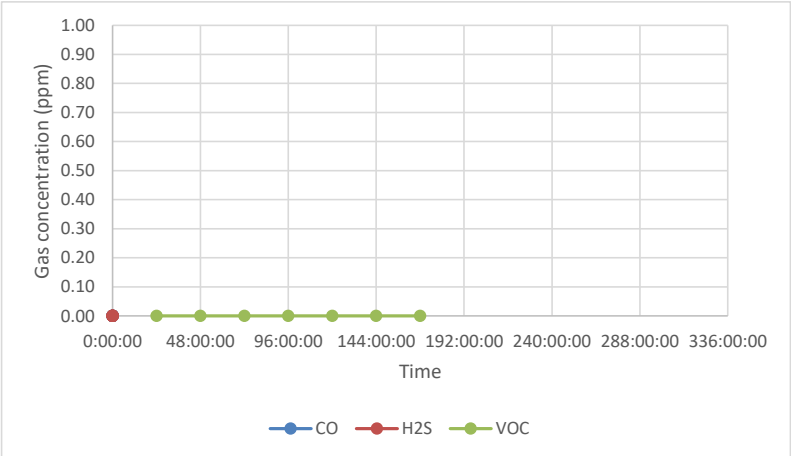
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	1.99
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS102	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.02	0.00	0.20	4.40	21.00	0.00	0.00	NM
0:00:30	-	0.00	0.20	4.40	16.90	0.00	0.00	NM
0:01:00	-	0.00	0.20	4.50	16.30	0.00	0.00	NM
0:02:00	-		0.20	4.60	16.20	0.00	0.00	NM
0:03:00	-		0.20	4.60	16.10	0.00	0.00	NM
0:04:00	-		0.20	4.60	16.00	0.00	0.00	NM
0:05:00	-		0.20	4.60	16.10	0.00	0.00	NM
0:06:00	-		0.20	4.50	16.20	0.00	0.00	NM
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

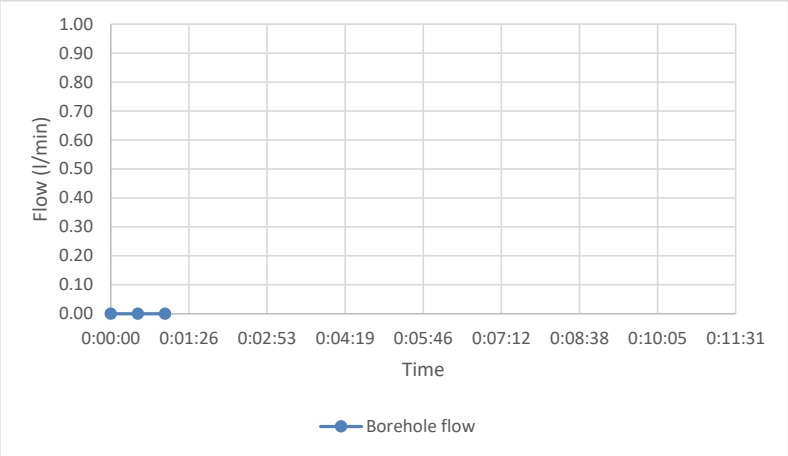
QA/QC Samples

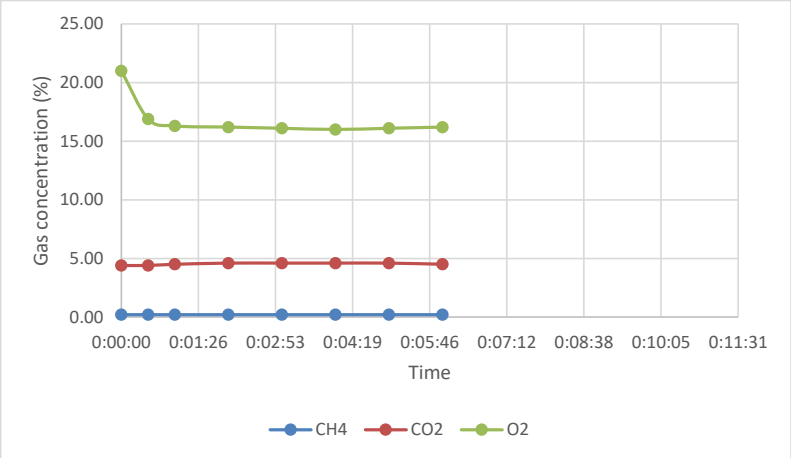
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

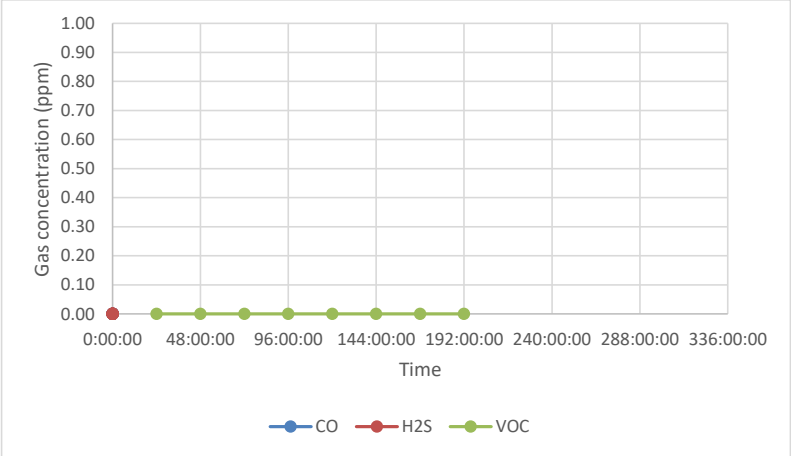
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.93
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	wS103	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.03	0.00	0.30	1.00	20.70	0.00	0.00	NM
0:00:30	-	0.00	0.30	1.00	20.40	0.00	0.00	NM
0:01:00	-	0.00	0.20	1.00	20.20	0.00	0.00	NM
0:02:00	-		0.20	1.00	20.10	0.00	1.00	NM
0:03:00	-		0.20	1.00	20.00	0.00	1.00	NM
0:04:00	-		0.20	1.00	20.00	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

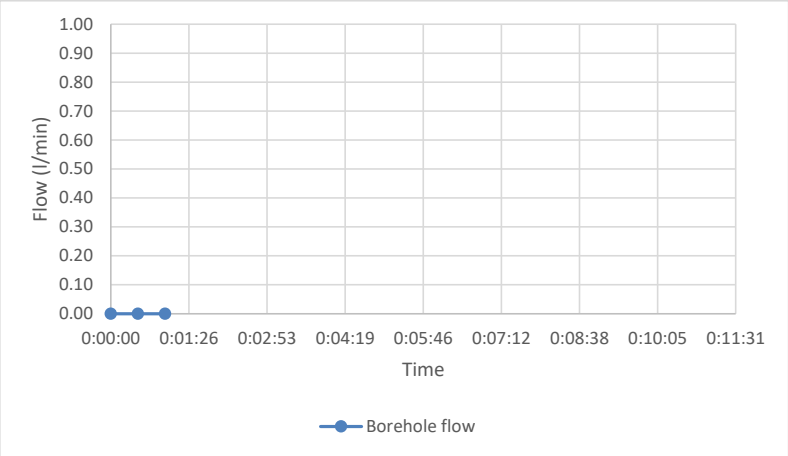
QA/QC Samples

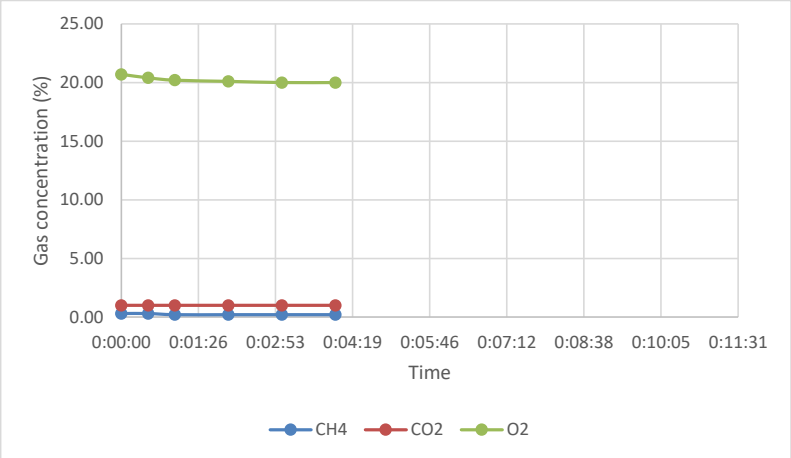
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

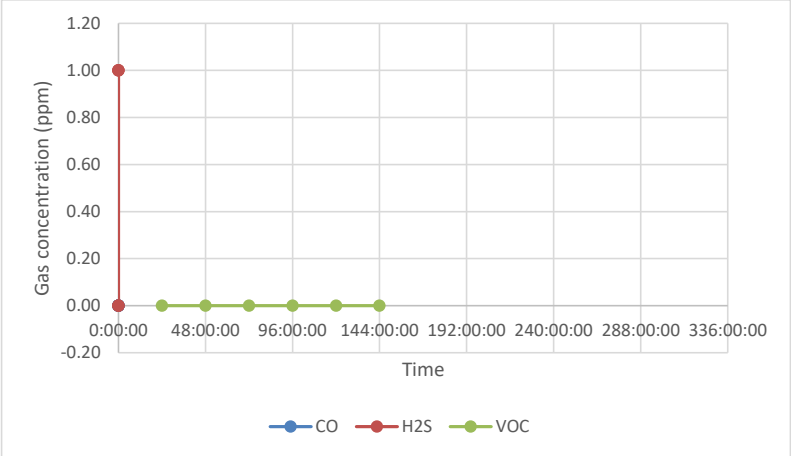
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.19
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.95
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
-0.20
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS104	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.02	0.00	0.20	2.10	21.20	0.00	0.00	NM
0:00:30	-	0.00	0.20	2.20	19.90	0.00	0.00	NM
0:01:00	-	0.00	0.20	2.20	19.70	0.00	0.00	NM
0:02:00	-		0.20	2.20	19.70	0.00	0.00	NM
0:03:00	-		0.20	2.20	19.70	0.00	0.00	NM
0:04:00	-		0.20	2.20	19.70	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

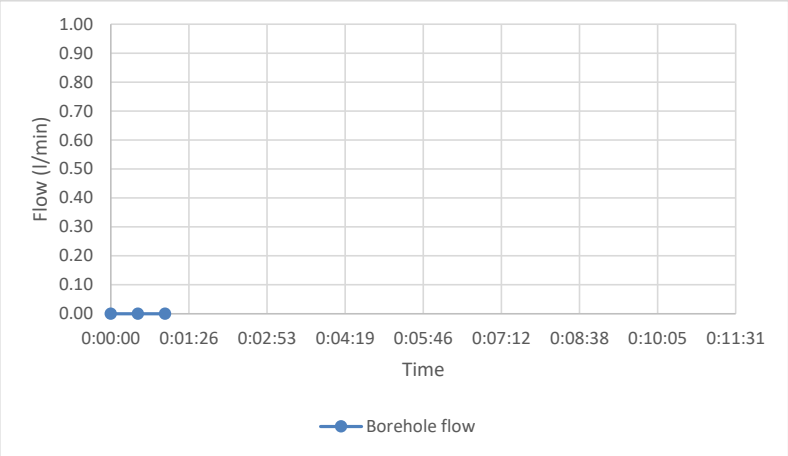
QA/QC Samples

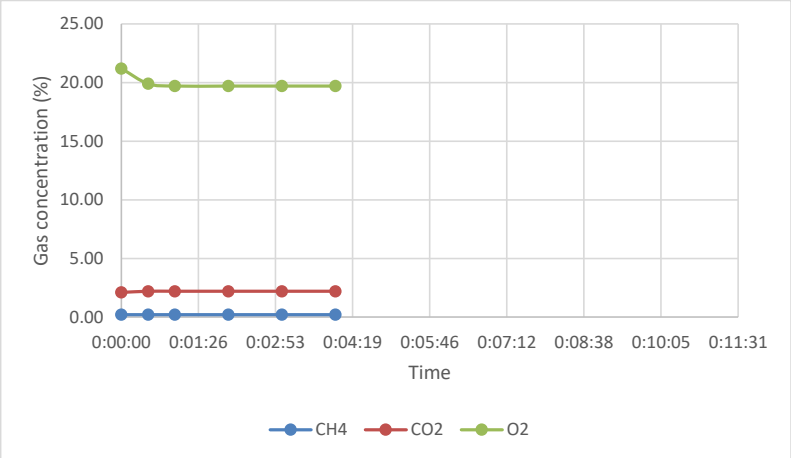
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

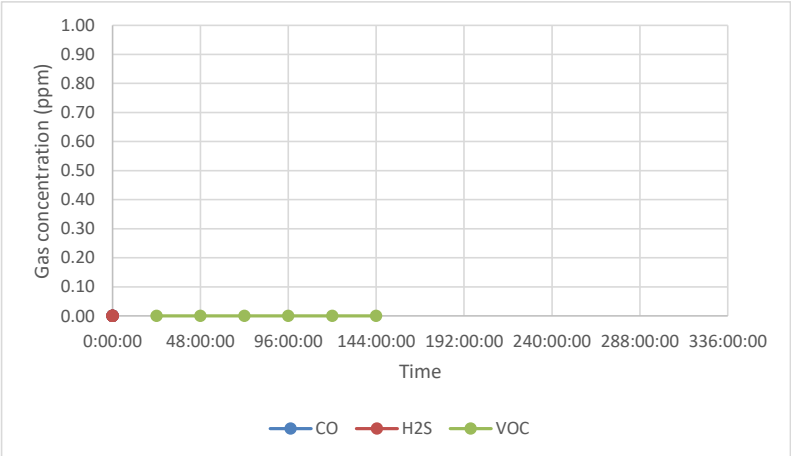
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.43
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.89
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS105	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	0.20	20.30	10.00	1.00	NM
0:00:30	-	0.00	0.20	0.20	20.40	1.00	1.00	NM
0:01:00	-	0.00	0.20	0.20	20.40	0.00	1.00	NM
0:02:00	-		0.20	0.20	20.40	0.00	1.00	NM
0:03:00	-		0.20	0.50	20.40	0.00	1.00	NM
0:04:00	-		0.20	0.50	20.40	0.00	0.00	NM
0:05:00	-		0.20	0.50	20.40	0.00	1.00	NM
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

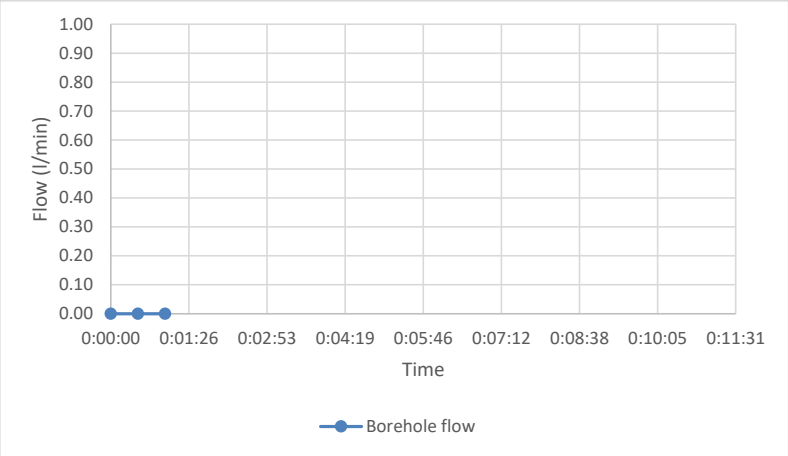
QA/QC Samples

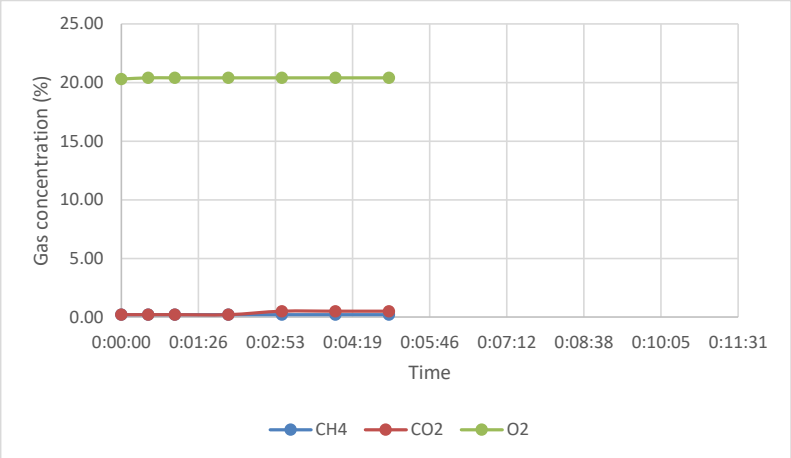
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

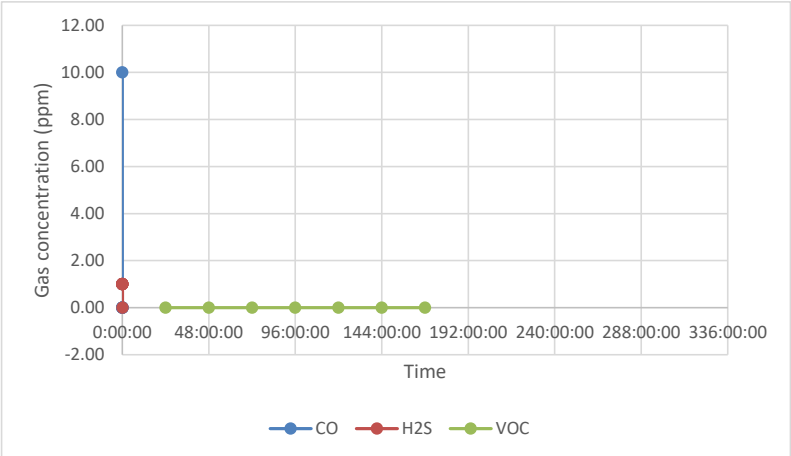
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.20
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.96
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


12.00
10.00
8.00
6.00
4.00
2.00
0.00
-2.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS106	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.03	0.00	0.20	0.20	20.20	0.00	1.00	NM
0:00:30	-	0.00	0.20	2.90	18.40	0.00	1.00	NM
0:01:00	-	0.00	0.20	2.90	17.70	0.00	1.00	NM
0:02:00	-		0.20	2.90	17.70	0.00	0.00	NM
0:03:00	-		0.20	2.90	17.60	0.00	1.00	NM
0:04:00	-		0.20	2.90	17.60	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

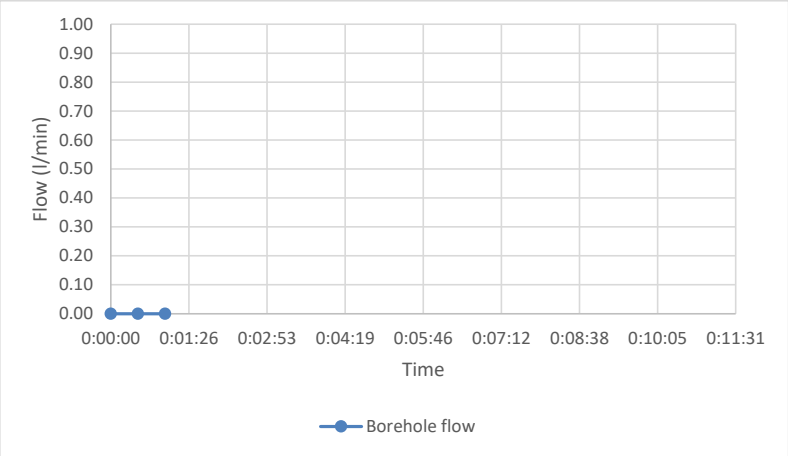
QA/QC Samples

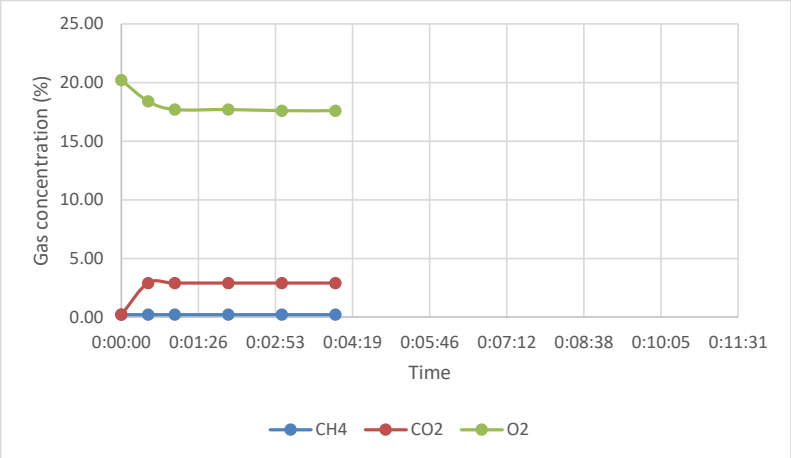
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

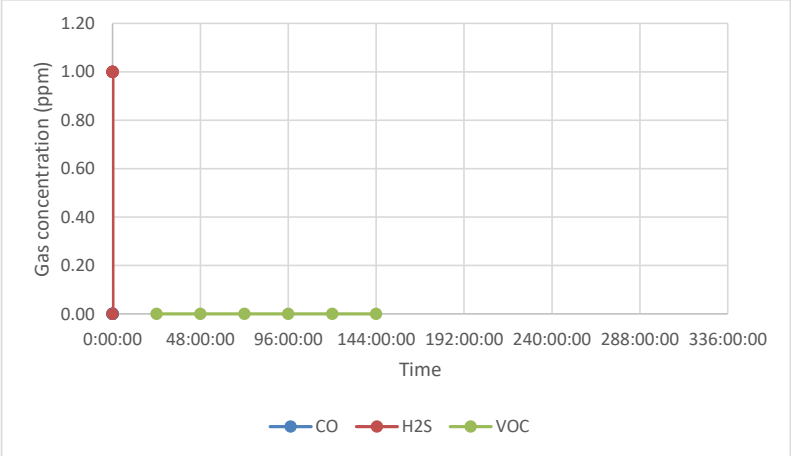
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.10
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS107	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.03	0.00	0.20	0.30	20.20	0.00	1.00	NM
0:00:30	-	0.00	0.20	1.20	19.60	0.00	1.00	NM
0:01:00	-	0.00	0.20	1.20	19.40	0.00	1.00	NM
0:02:00	-		0.20	1.20	19.40	0.00	1.00	NM
0:03:00	-		0.20	1.20	19.40	0.00	1.00	NM
0:04:00	-		0.20	1.20	19.40	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

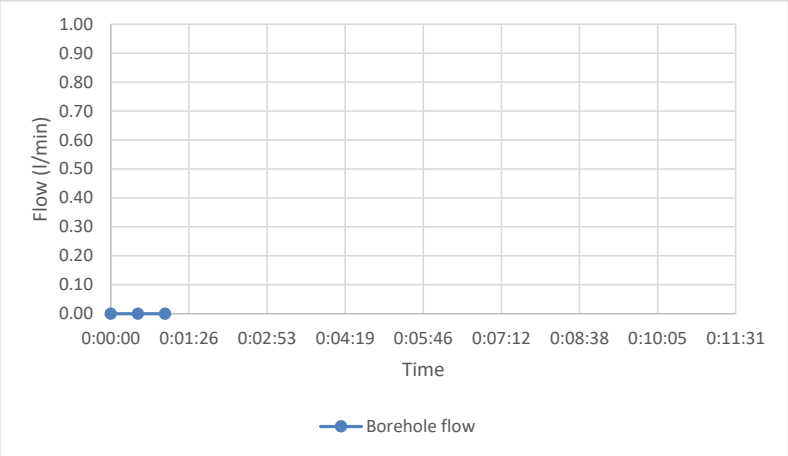
QA/QC Samples

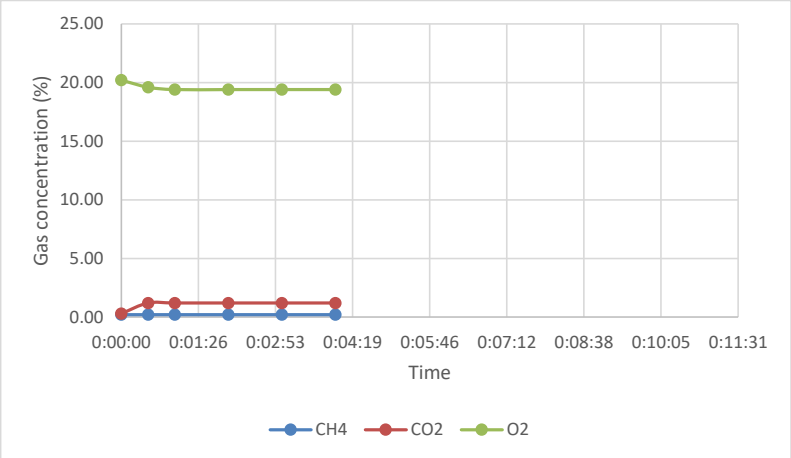
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

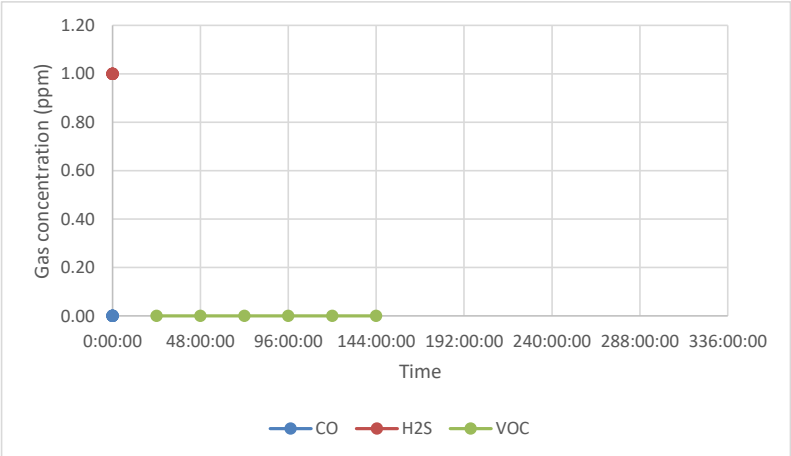
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.33
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.04
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS108	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.02	0.00	0.20	1.30	20.00	0.00	1.00	NM
0:00:30	-	0.00	0.20	1.30	19.40	0.00	1.00	NM
0:01:00	-	0.00	0.20	1.30	19.30	0.00	1.00	NM
0:02:00	-		0.20	1.30	19.30	0.00	1.00	NM
0:03:00	-		0.20	1.30	19.30	0.00	1.00	NM
0:04:00	-		0.20	1.30	19.30	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

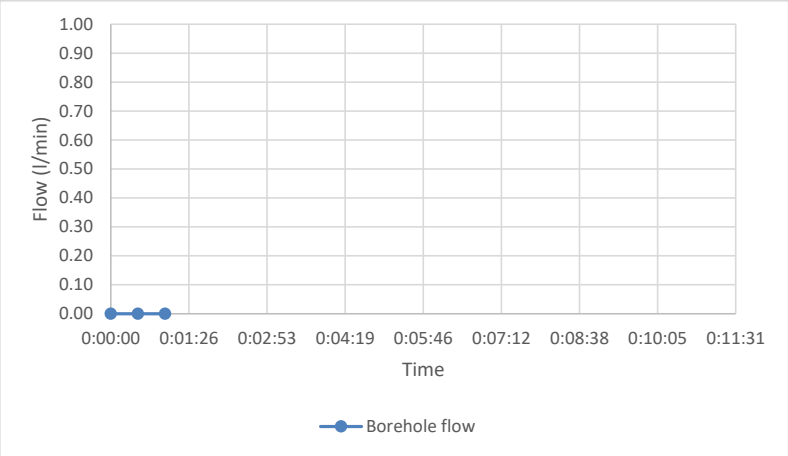
QA/QC Samples

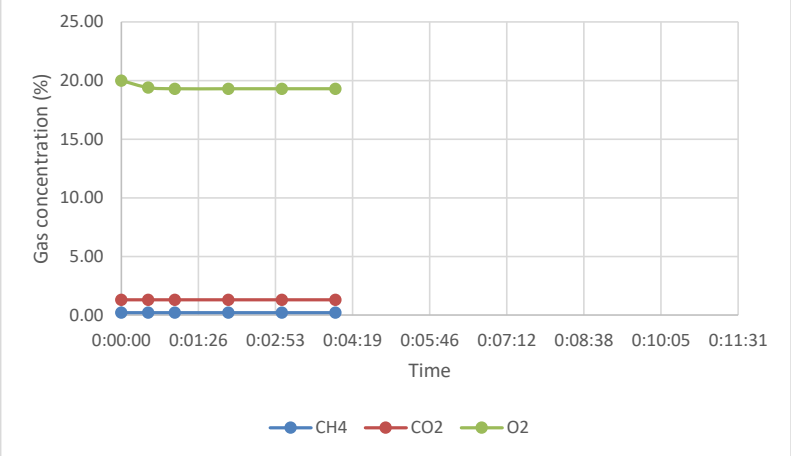
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

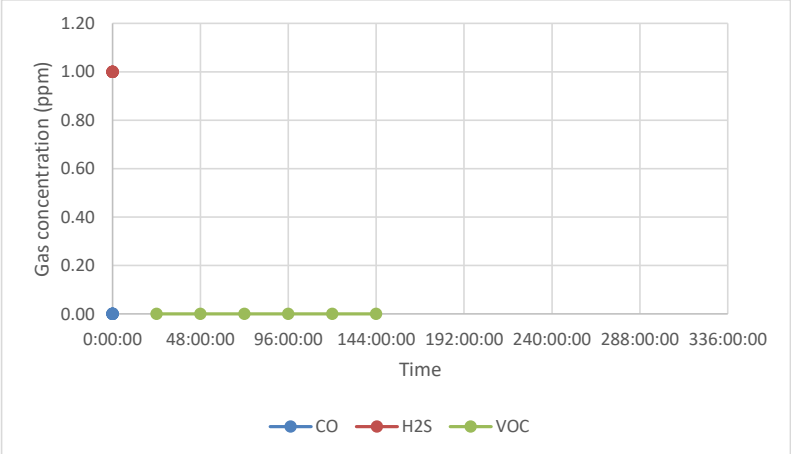
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.20
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.02
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS109	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	1.90
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	1.90
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.03	0.00	0.20	1.20	21.00	0.00	0.00	NM
0:00:30	-	0.00	0.20	1.20	20.20	0.00	0.00	NM
0:01:00	-	0.00	0.20	1.20	20.10	0.00	0.00	NM
0:02:00	-		0.20	1.30	20.10	0.00	0.00	NM
0:03:00	-		0.20	1.30	20.10	0.00	0.00	NM
0:04:00	-		0.20	1.30	20.10	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		CH4	CO2	O2	CO	H2S	VOC
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		Containers:	

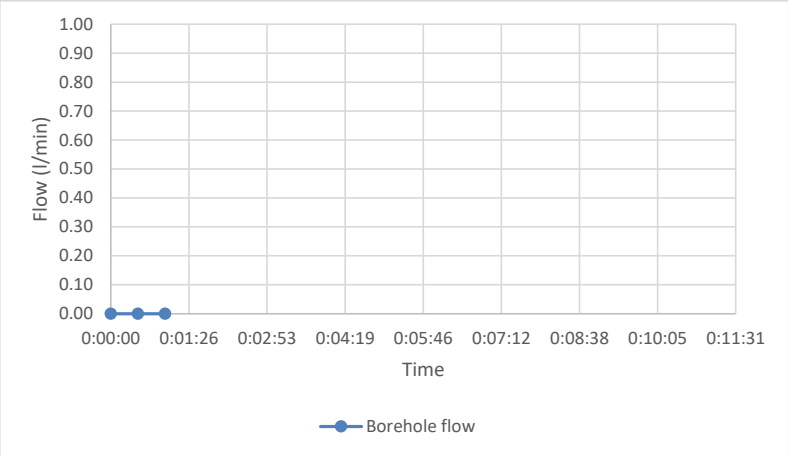
QA/QC Samples

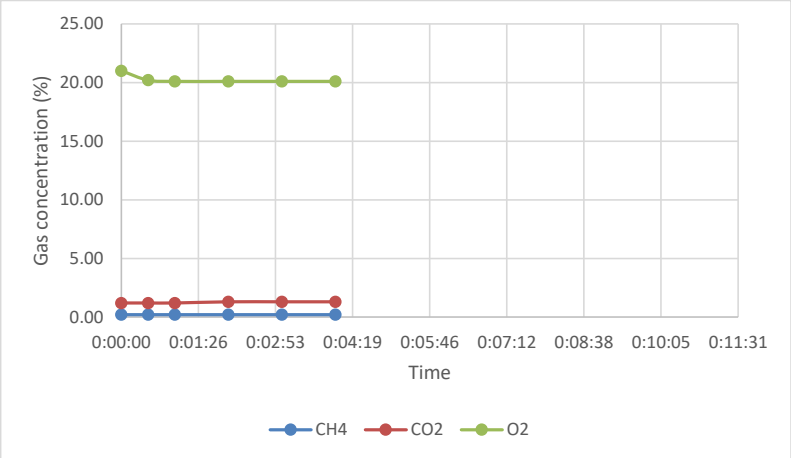
☐ Duplicate	Sample ID:		Laboratory:	
☐ Triplicate	Sample ID:		Laboratory:	

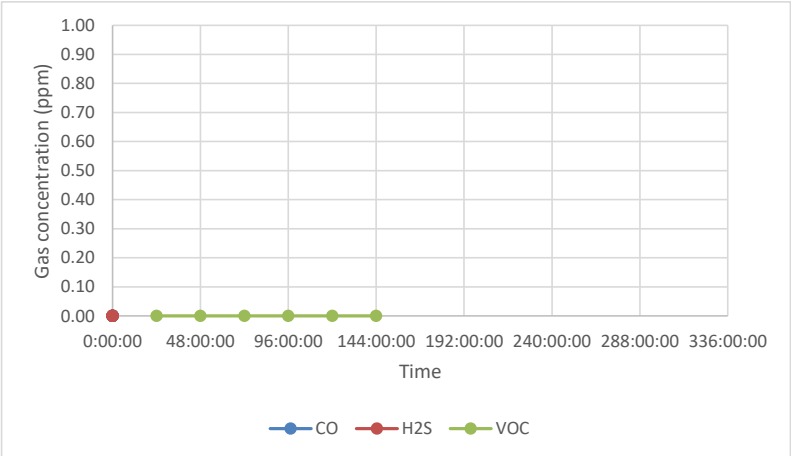
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	Water Level Depth (m bd):	-
Depth to NAPL (m bd):				Measured Well Depth (m bd):	1.66
NAPL Thickness (mm):				Correction for dip tape depth to base (mm):	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS112	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.03	0.00	0.20	2.70	19.20	0.00	1.00	NM
0:00:30	-	0.00	0.20	2.80	17.30	0.00	1.00	NM
0:01:00	-	0.00	0.20	2.80	17.00	0.00	1.00	NM
0:02:00	-		0.20	2.80	17.00	0.00	1.00	NM
0:03:00	-		0.20	2.80	17.00	0.00	1.00	NM
0:04:00	-		0.20	2.80	17.00	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

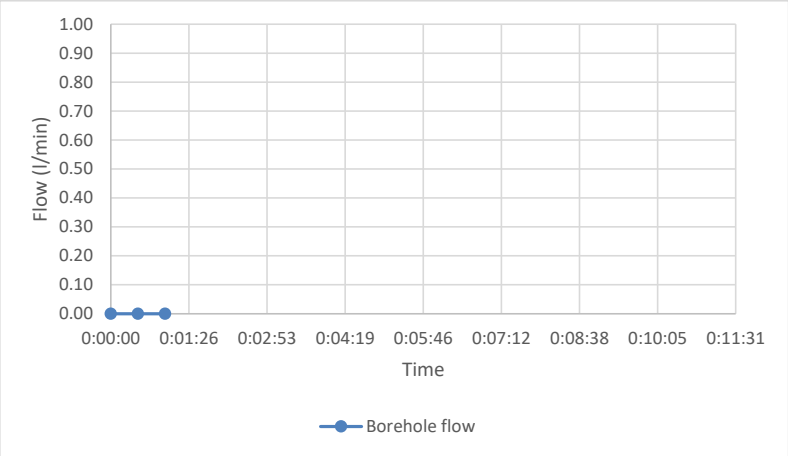
QA/QC Samples

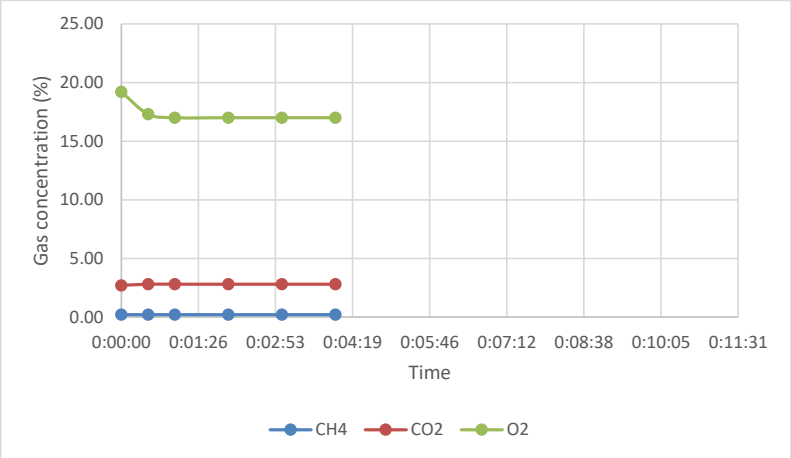
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

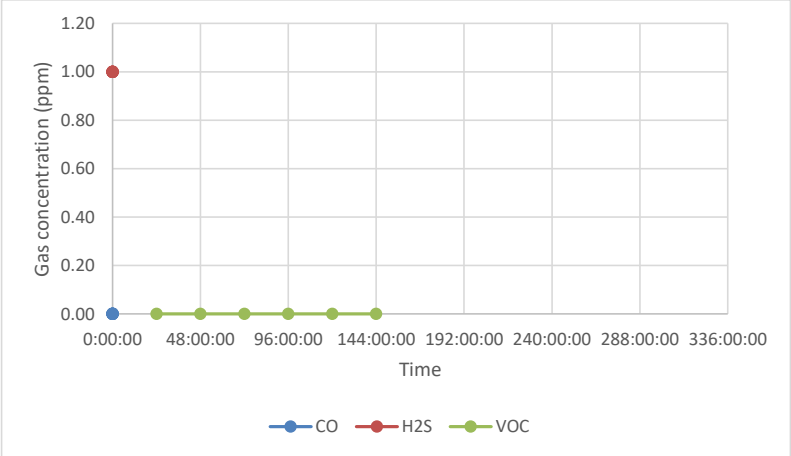
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.63
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.12
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS113	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.02	0.00	0.20	1.00	20.30	0.00	1.00	NM
0:00:30	-	0.00	0.20	1.00	19.80	0.00	1.00	NM
0:01:00	-	0.00	0.20	1.00	19.70	0.00	1.00	NM
0:02:00	-		0.20	1.00	19.70	0.00	1.00	NM
0:03:00	-		0.20	1.00	19.70	0.00	1.00	NM
0:04:00	-		0.20	1.00	19.70	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

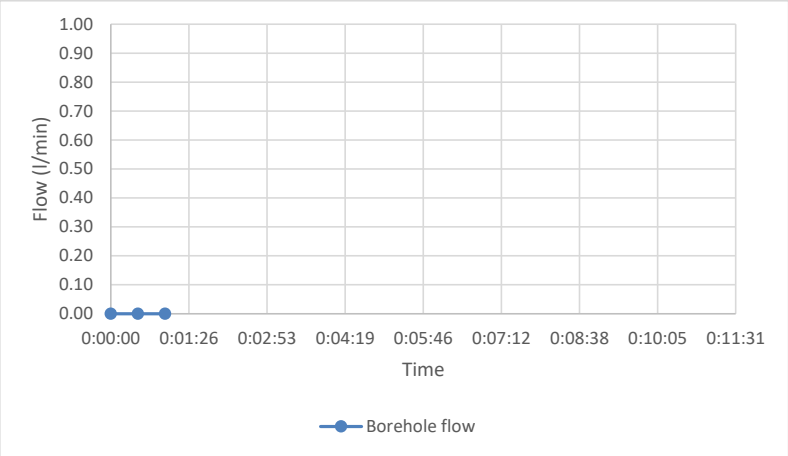
QA/QC Samples

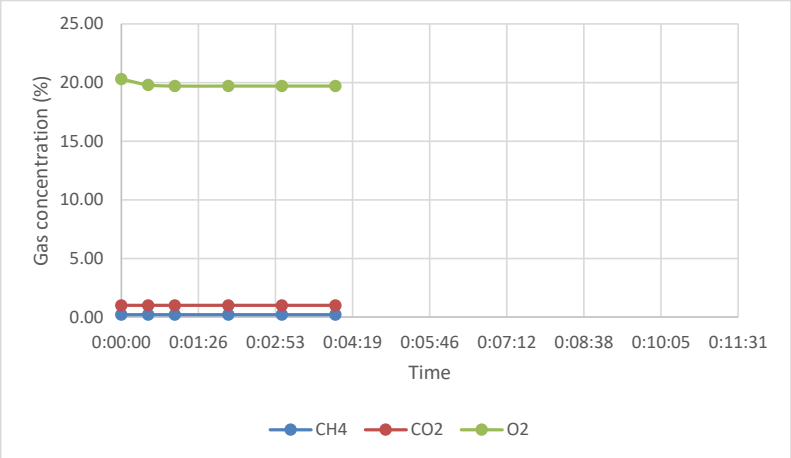
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

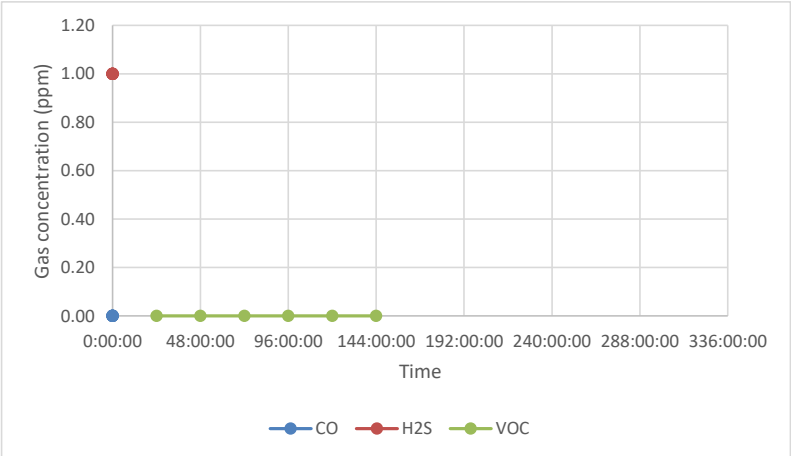
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.47
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.12
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS114	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	2.20	21.40	0.00	0.00	NM
0:00:30	-	0.00	0.20	2.20	19.70	0.00	0.00	NM
0:01:00	-	0.00	0.20	2.20	19.10	0.00	0.00	NM
0:02:00	-		0.20	2.20	19.10	0.00	0.00	NM
0:03:00	-		0.20	2.20	19.10	0.00	0.00	NM
0:04:00	-		0.20	2.20	19.10	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

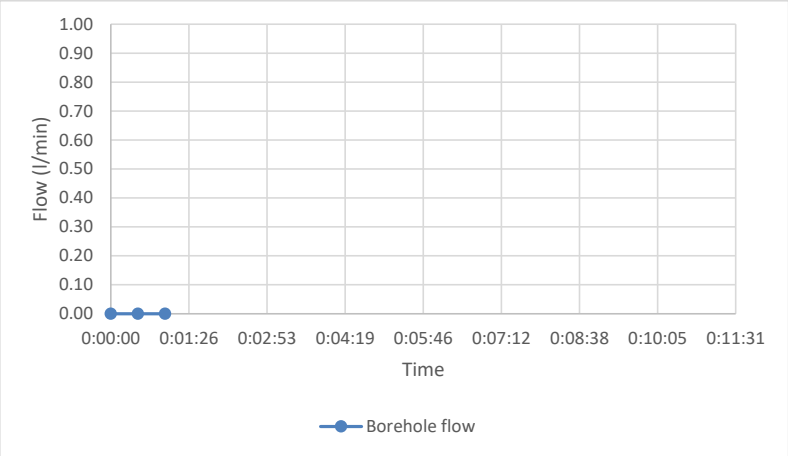
QA/QC Samples

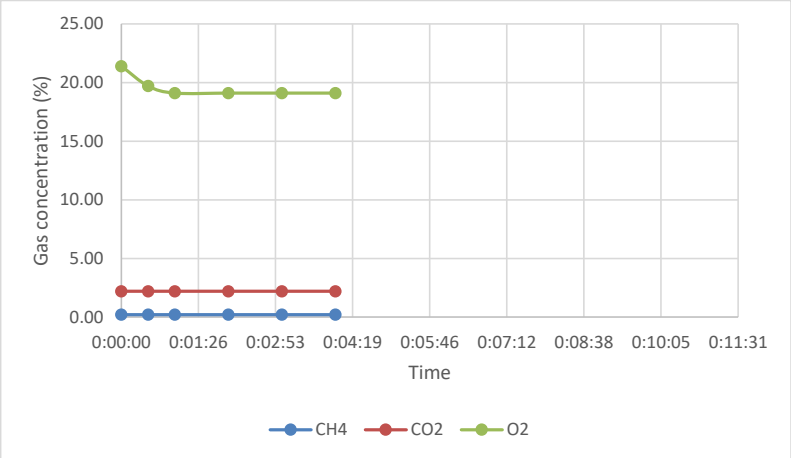
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

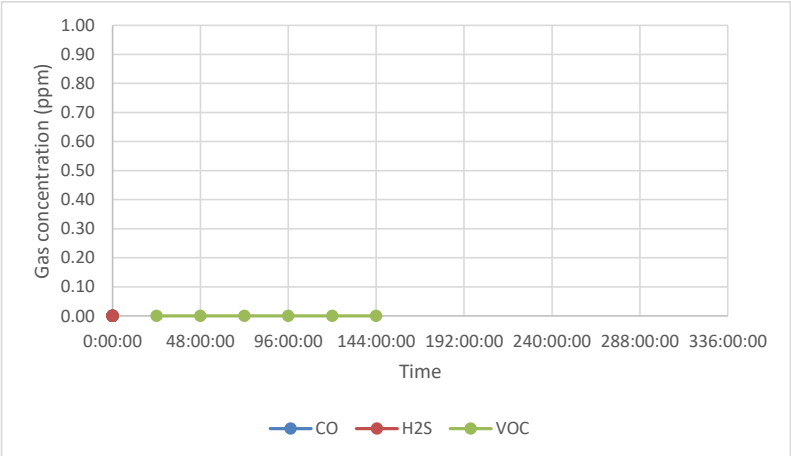
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.15
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold and windy
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS115	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	0.70
Well Material:	HDPE	**Base of Screen (m bgl):**	2.70
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	0.70
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.70
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.02	0.00	0.20	1.10	20.00	0.00	1.00	NM
0:00:30	-	0.00	0.20	1.10	19.00	0.00	1.00	NM
0:01:00	-	0.00	0.20	1.10	18.90	0.00	1.00	NM
0:02:00	-		0.20	1.10	19.00	0.00	1.00	NM
0:03:00	-		0.20	1.10	19.10	0.00	1.00	NM
0:04:00	-		0.30	1.10	19.20	0.00	1.00	NM
0:05:00	-		0.20	1.10	19.20	0.00	1.00	NM
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	997.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.00	0.00	0.00	NM

Observations during monitoring

Rising pressure. -2 degrees.

Samples

Sample ID:		**Containers:**	

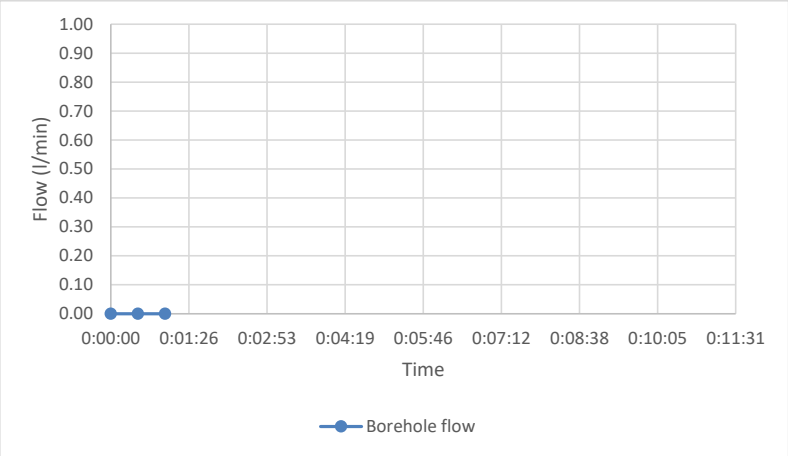
QA/QC Samples

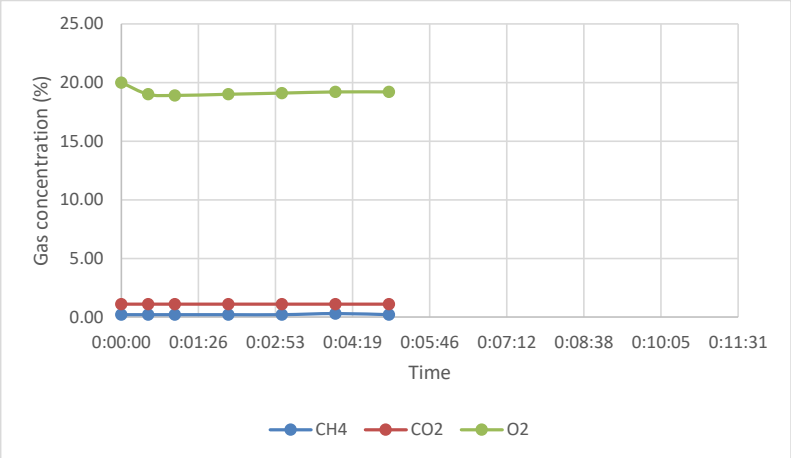
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

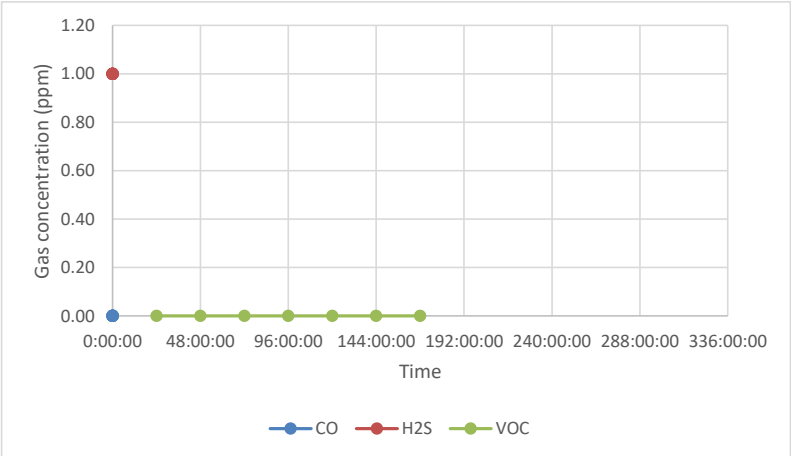
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.75
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS101	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.02	0.00	0.20	3.30	18.70	0.00	0.00	NM
0:00:30	-	0.00	0.20	3.30	18.30	0.00	0.00	NM
0:01:00	-	0.00	0.20	3.30	18.20	0.00	0.00	NM
0:02:00	-		0.20	3.30	18.30	0.00	0.00	NM
0:03:00	-		0.20	3.30	18.30	0.00	0.00	NM
0:04:00	-		0.20	3.20	18.40	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

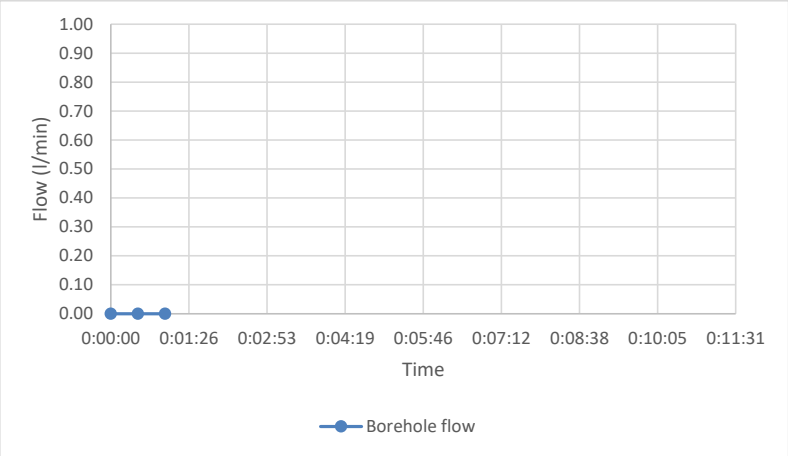
QA/QC Samples

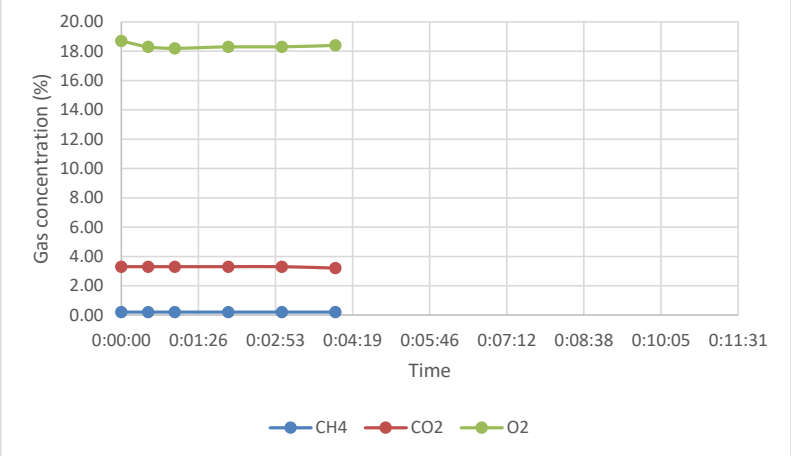
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

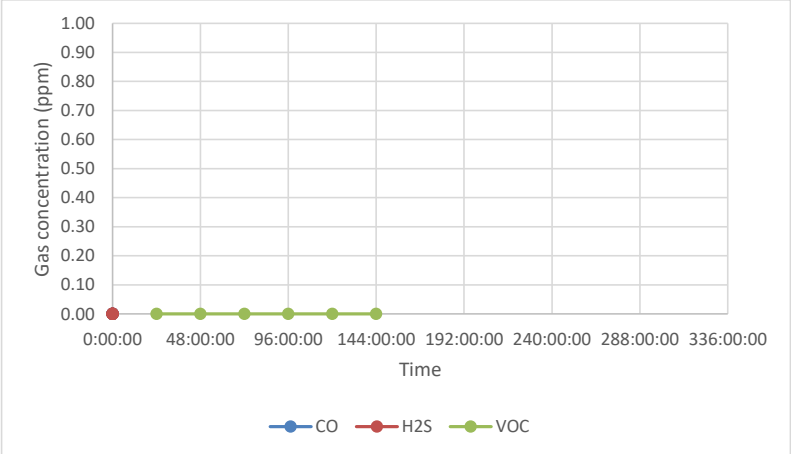
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	1.99
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


20.00
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS102	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	4.20	18.10	0.00	0.00	NM
0:00:30	-	0.00	0.20	4.20	17.00	0.00	0.00	NM
0:01:00	-	0.00	0.20	4.30	16.70	0.00	0.00	NM
0:02:00	-		0.20	4.20	16.70	0.00	0.00	NM
0:03:00	-		0.20	4.10	16.70	0.00	0.00	NM
0:04:00	-		0.20	4.10	16.80	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.00	21.40	0.00	0.00	

Observations during monitoring

Samples

Sample ID:		**Containers:**	

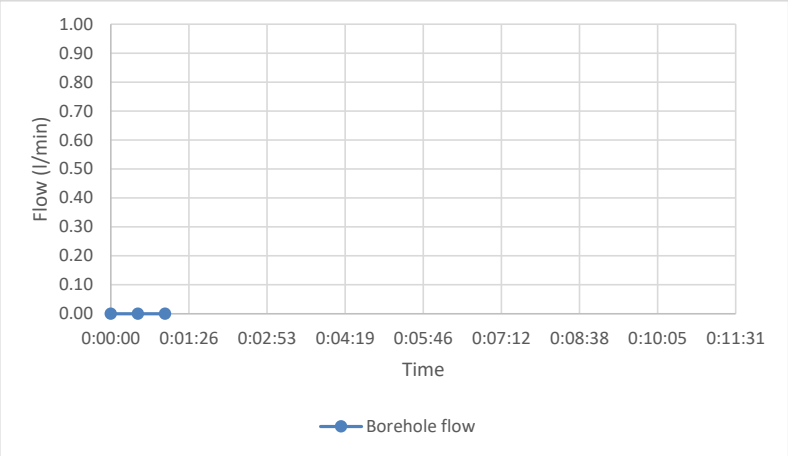
QA/QC Samples

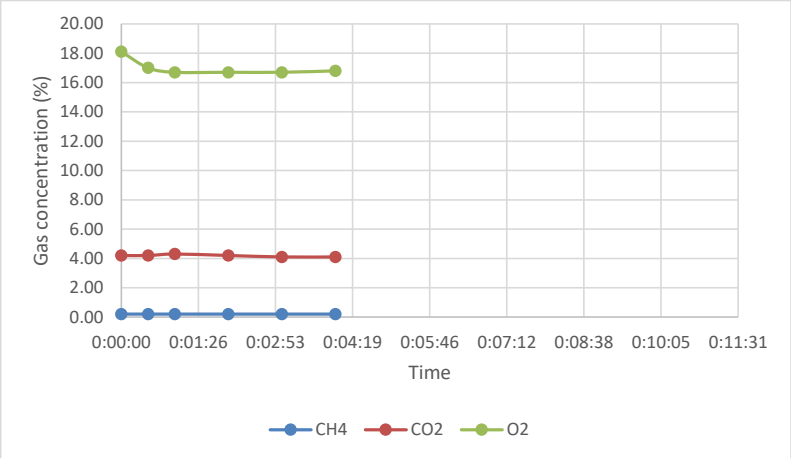
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

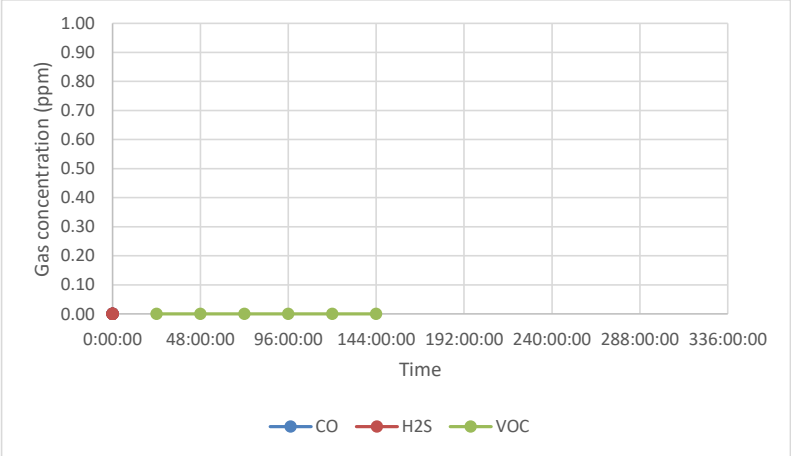
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.93
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


20.00
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	wS103	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.10	0.20	0.30	21.30	0.00	0.00	NM
0:00:30	-	0.10	0.20	0.70	20.90	0.00	0.00	NM
0:01:00	-	0.00	0.20	0.70	20.90	0.00	1.00	NM
0:02:00	-		0.20	0.70	20.90	0.00	0.00	NM
0:03:00	-		0.20	0.70	20.90	0.00	0.00	NM
0:04:00	-		0.20	0.70	20.90	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

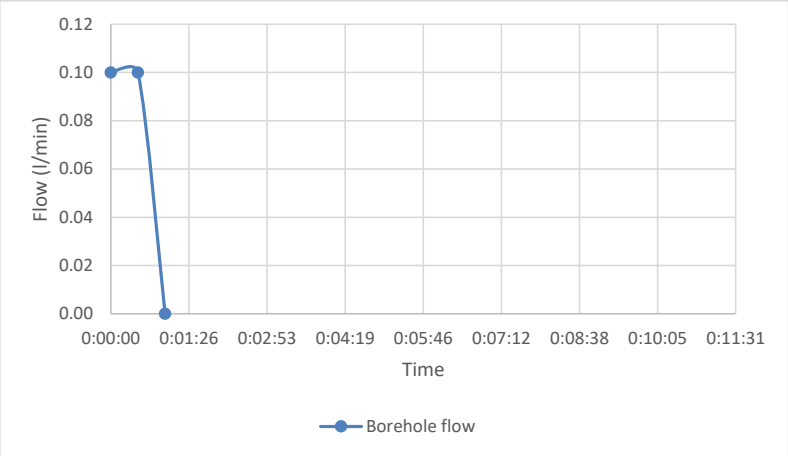
QA/QC Samples

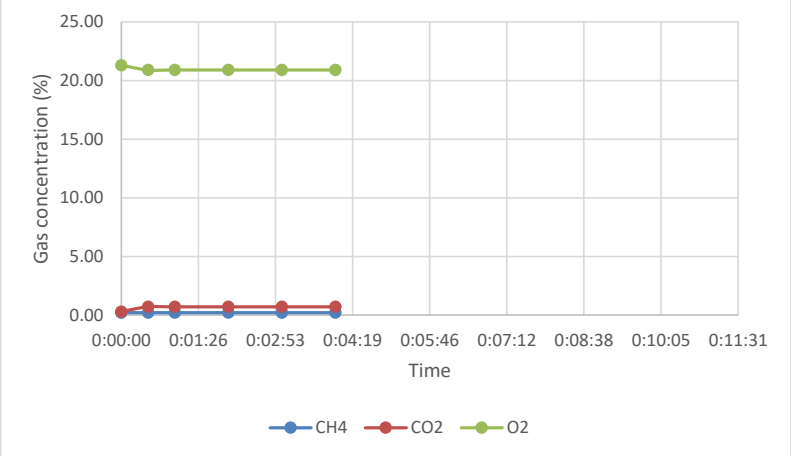
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

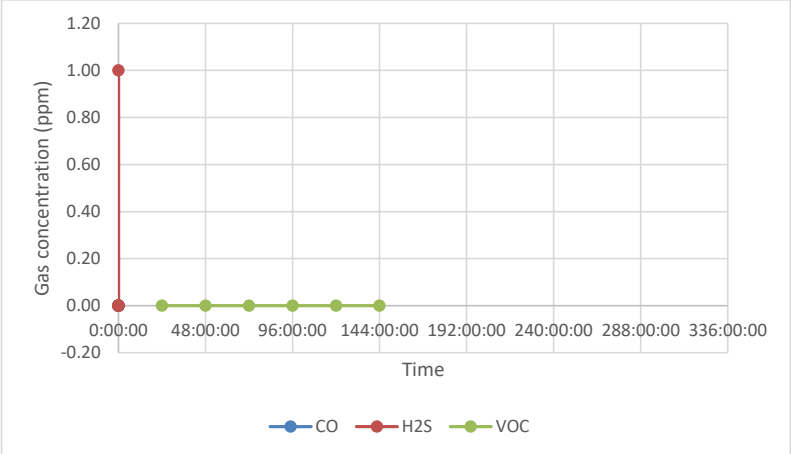
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2..21
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.96
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.12
0.10
0.08
0.06
0.04
0.02
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
-0.20
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**08/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS104	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	1.90	20.60	0.00	0.00	NM
0:00:30	-	0.00	0.20	2.00	19.70	0.00	0.00	NM
0:01:00	-	0.00	0.20	2.00	19.60	0.00	0.00	NM
0:02:00	-		0.20	2.00	19.60	0.00	0.00	NM
0:03:00	-		0.20	2.00	19.60	0.00	0.00	NM
0:04:00	-		0.20	2.00	19.60	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

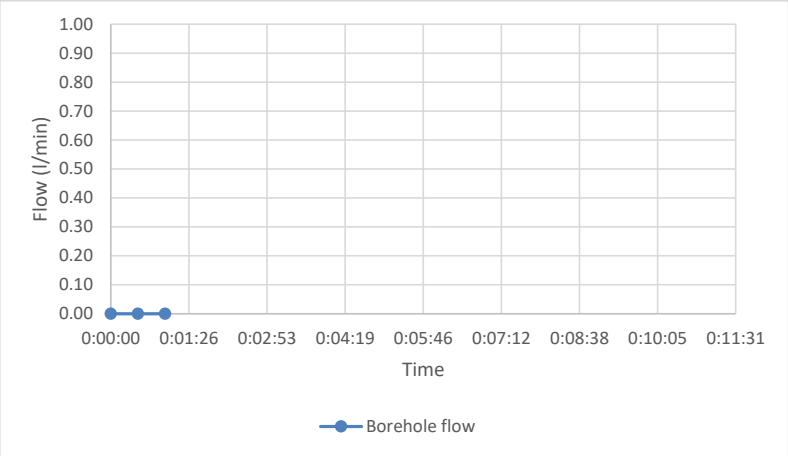
QA/QC Samples

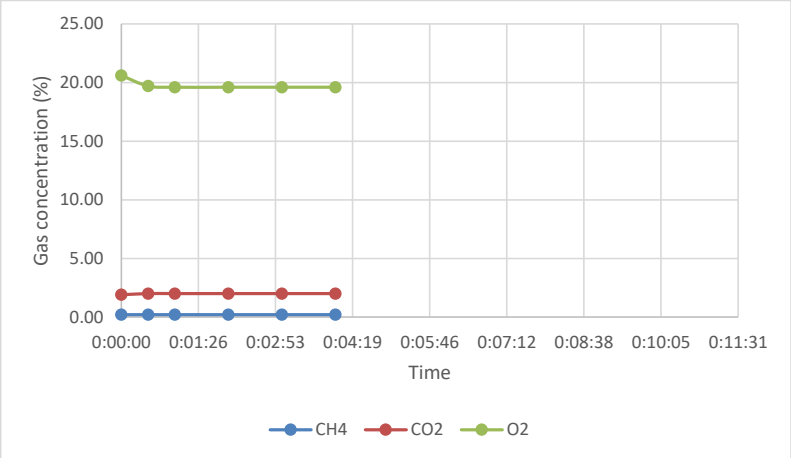
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

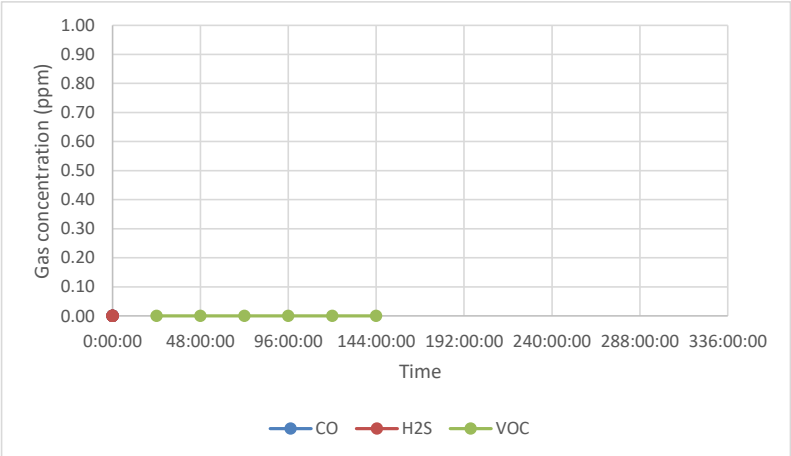
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.51
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.90
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS105	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.10	0.20	0.20	21.20	0.00	1.00	NM
0:00:30	-	0.10	0.20	0.40	21.00	0.00	1.00	NM
0:01:00	-	0.10	0.20	0.40	21.00	0.00	0.00	NM
0:02:00	-	0.10	0.20	0.40	20.90	0.00	1.00	NM
0:03:00	-		0.20	0.40	20.90	0.00	1.00	NM
0:04:00	-		0.20	0.40	20.90	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

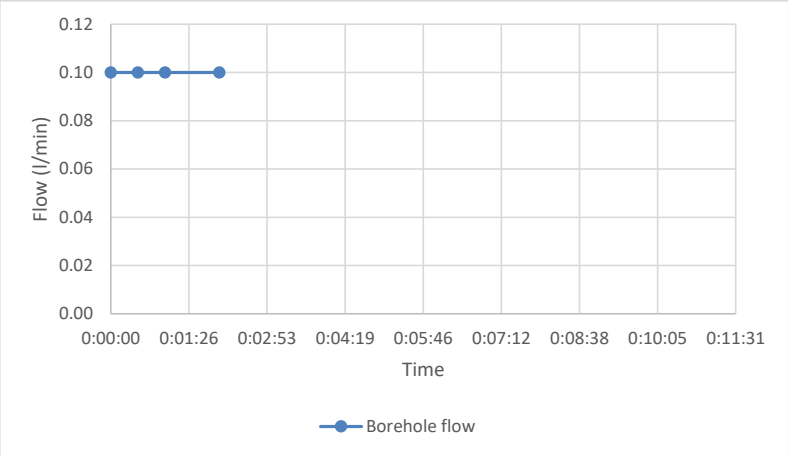
QA/QC Samples

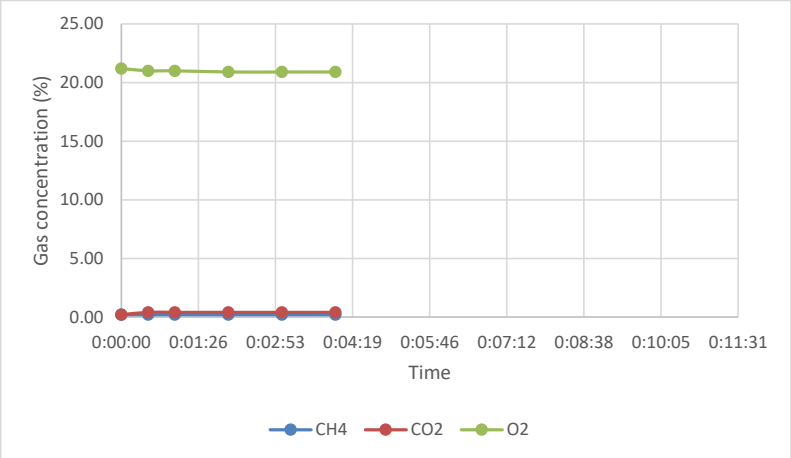
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

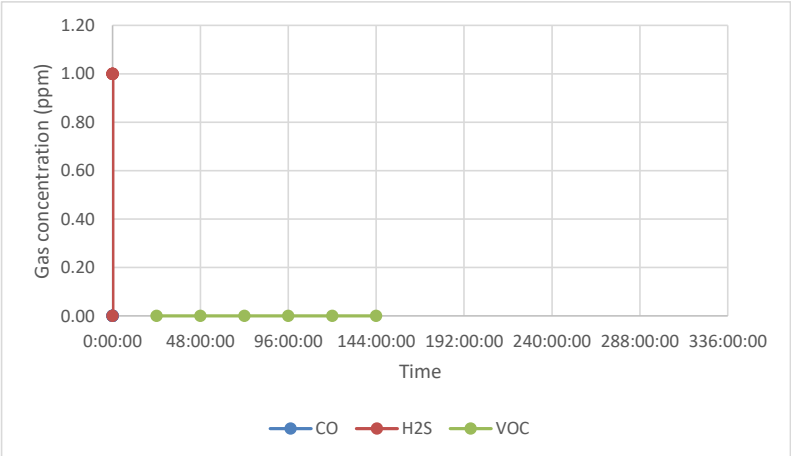
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.24
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.24
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.12
0.10
0.08
0.06
0.04
0.02
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS106	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	0.20	21.20	0.00	0.00	NM
0:00:30	-	0.00	0.20	2.40	19.00	0.00	0.00	NM
0:01:00	-	0.00	0.20	2.40	18.70	0.00	1.00	NM
0:02:00	-		0.20	2.40	18.70	0.00	0.00	NM
0:03:00	-		0.20	2.40	18.70	0.00	0.00	NM
0:04:00	-		0.20	2.40	18.70	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

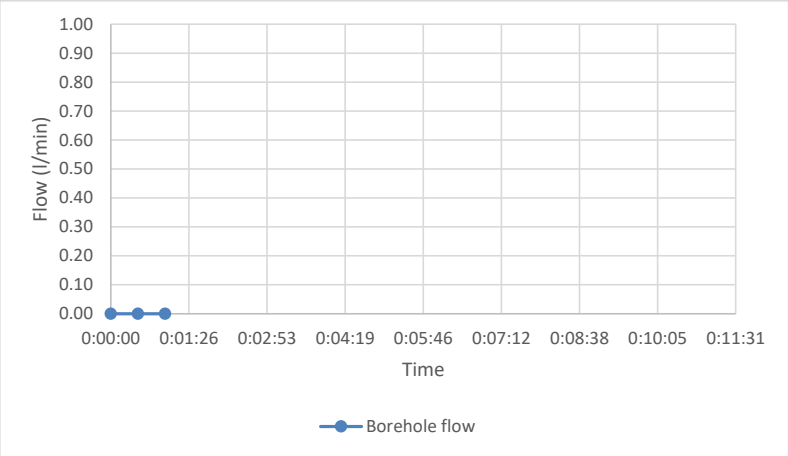
QA/QC Samples

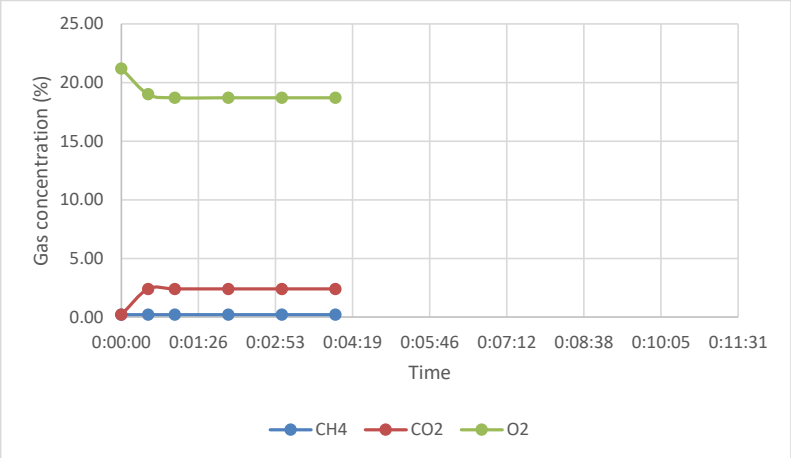
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

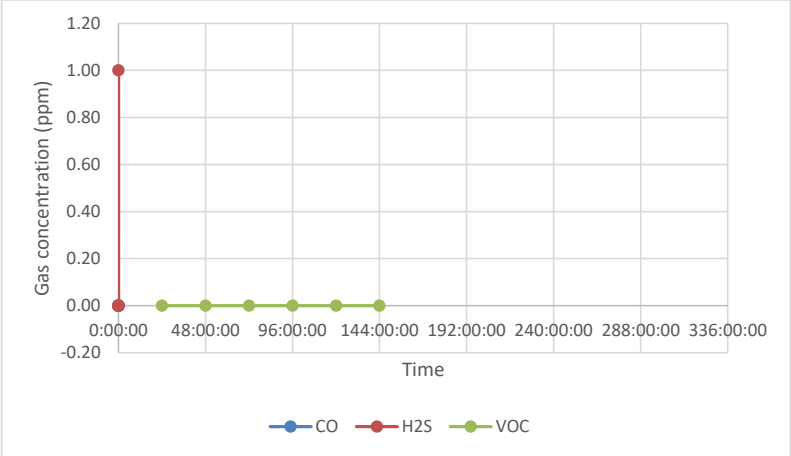
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.04
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
-0.20
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS107	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.02	-0.10	0.20	1.00	20.60	0.00	0.00	NM
0:00:30	-	0.00	0.20	1.00	20.40	0.00	1.00	NM
0:01:00	-	0.00	0.20	1.00	20.40	0.00	0.00	NM
0:02:00	-		0.20	1.00	20.40	0.00	0.00	NM
0:03:00	-		0.20	1.00	20.40	0.00	1.00	NM
0:04:00	-		0.20	1.00	20.40	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

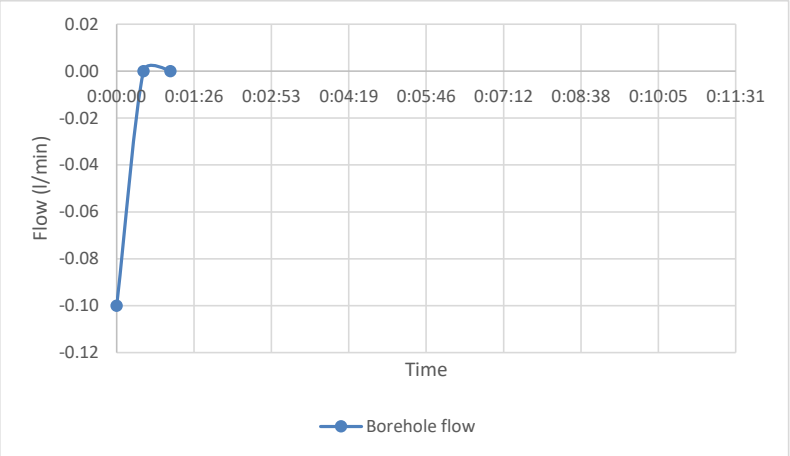
QA/QC Samples

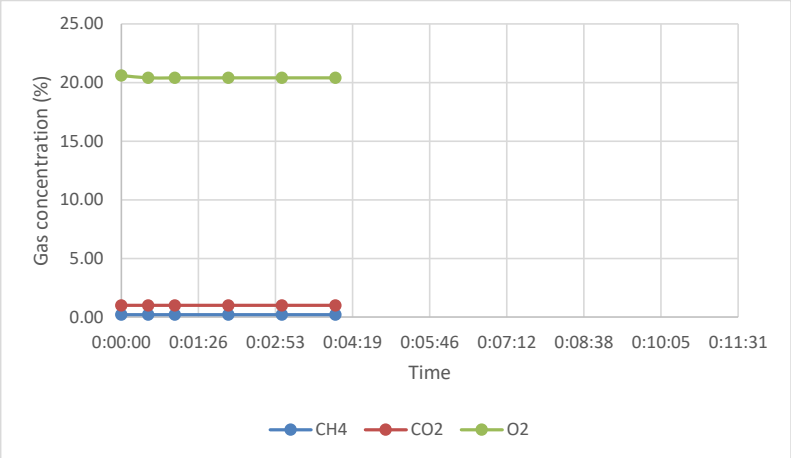
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

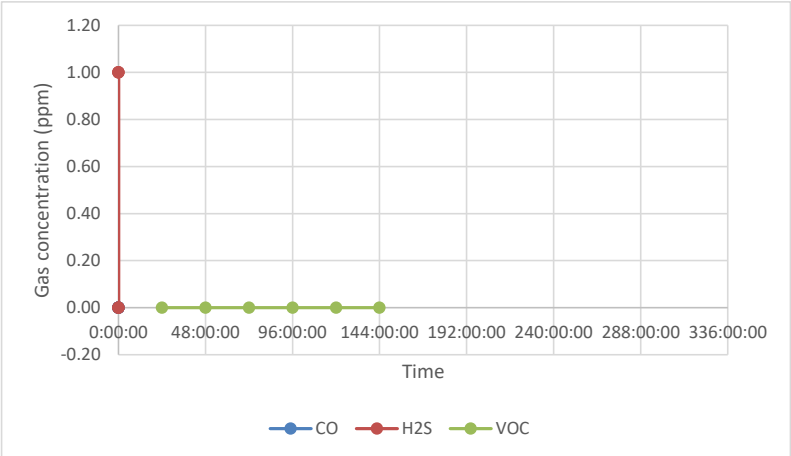
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.36
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.04
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.02
0.00
-0.02
-0.04
-0.06
-0.08
-0.10
-0.12
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
-0.20
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS108	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.02	0.00	0.20	1.10	21.20	0.00	0.00	NM
0:00:30	-	0.00	0.20	1.10	20.40	0.00	0.00	NM
0:01:00	-	0.00	0.20	1.10	20.40	0.00	0.00	NM
0:02:00	-		0.20	1.10	20.40	0.00	1.00	NM
0:03:00	-		0.20	1.10	20.40	0.00	1.00	NM
0:04:00	-		0.20	1.10	20.40	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

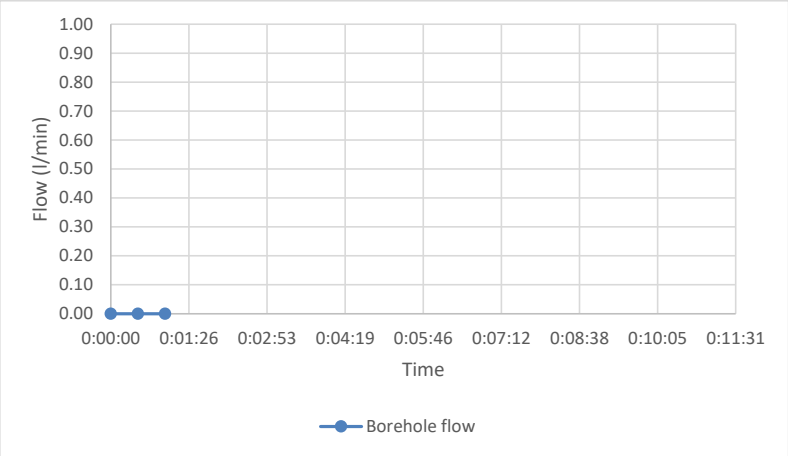
QA/QC Samples

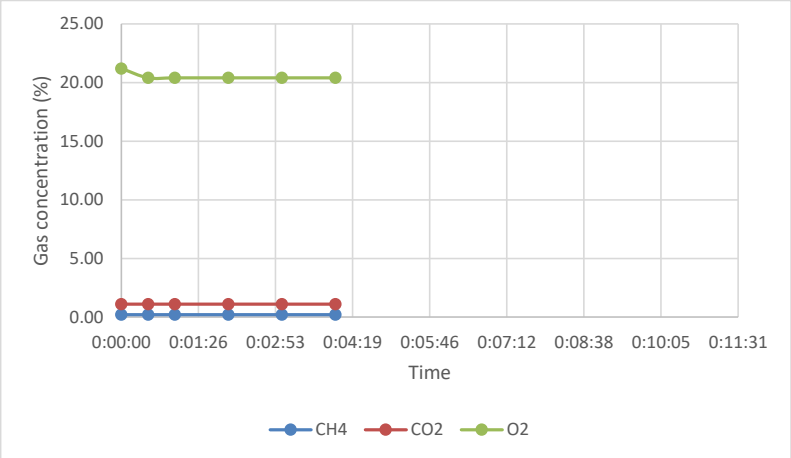
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

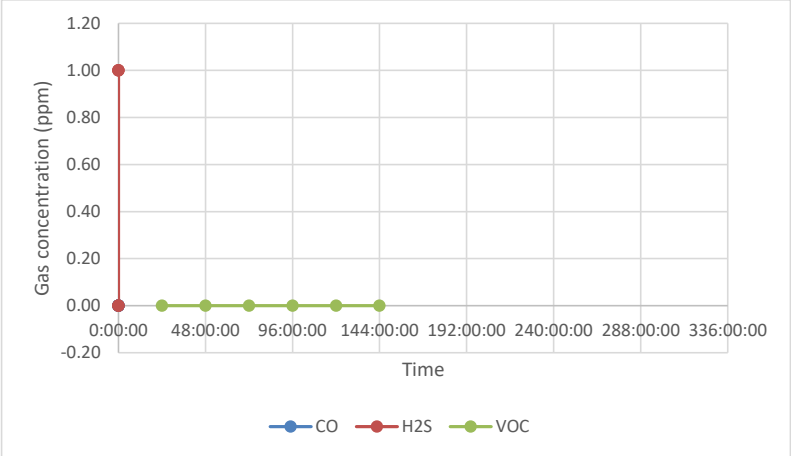
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.26
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.02
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
-0.20
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS109	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	1.90
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	1.90
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.03	0.00	0.20	1.10	21.00	0.00	0.00	NM
0:00:30	-	0.00	0.20	1.10	20.30	0.00	0.00	NM
0:01:00	-	0.00	0.20	1.10	20.30	0.00	0.00	NM
0:02:00	-		0.20	1.10	20.30	0.00	0.00	NM
0:03:00	-		0.20	1.10	20.30	0.00	0.00	NM
0:04:00	-		0.20	1.10	20.30	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		CH4	CO2	O2	CO	H2S	VOC
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		Containers:	

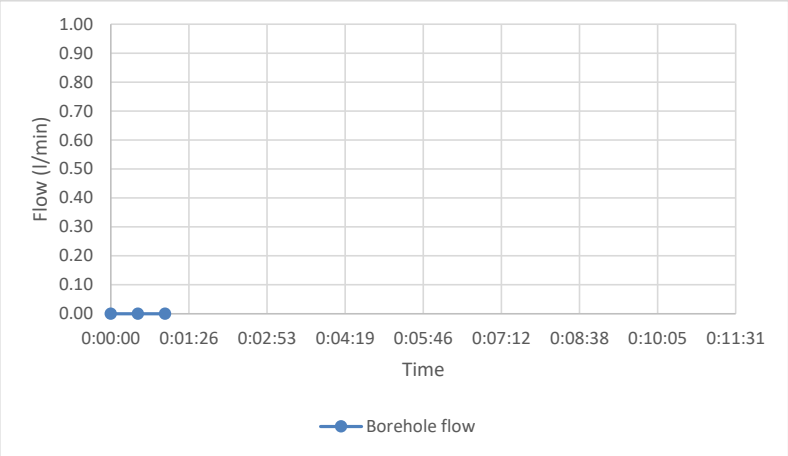
QA/QC Samples

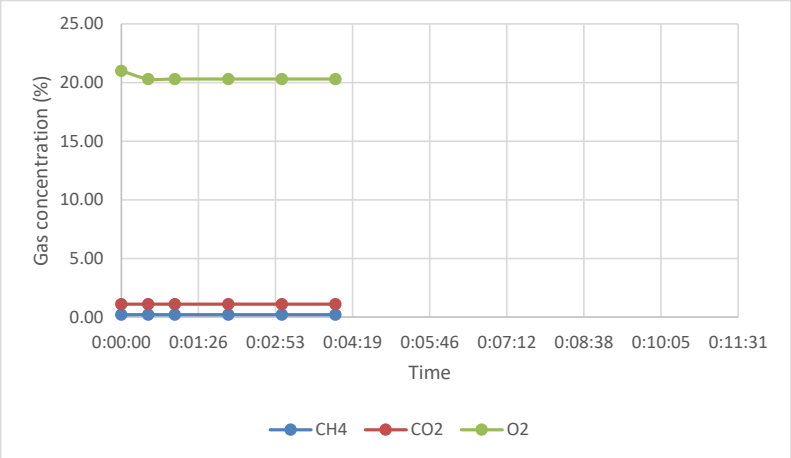
☐ Duplicate	Sample ID:		Laboratory:	
☐ Triplicate	Sample ID:		Laboratory:	

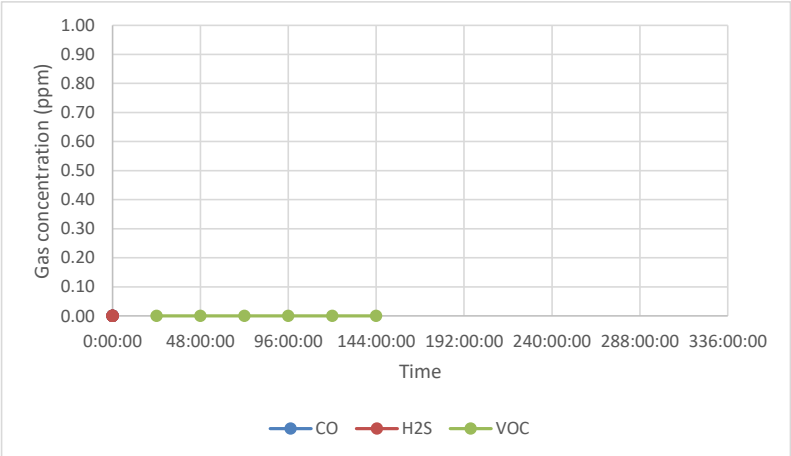
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	Water Level Depth (m bd):	-
Depth to NAPL (m bd):				Measured Well Depth (m bd):	1.66
NAPL Thickness (mm):				Correction for dip tape depth to base (mm):	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS112	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.0.	0.00	0.20	2.40	20.10	0.00	0.00	NM
0:00:30	-	0.00	0.20	2.50	18.10	0.00	0.00	NM
0:01:00	-	0.00	0.20	2.50	17.90	0.00	0.00	NM
0:02:00	-		0.20	2.50	17.90	0.00	0.00	NM
0:03:00	-		0.20	2.50	17.90	0.00	0.00	NM
0:04:00	-		0.20	2.50	17.90	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

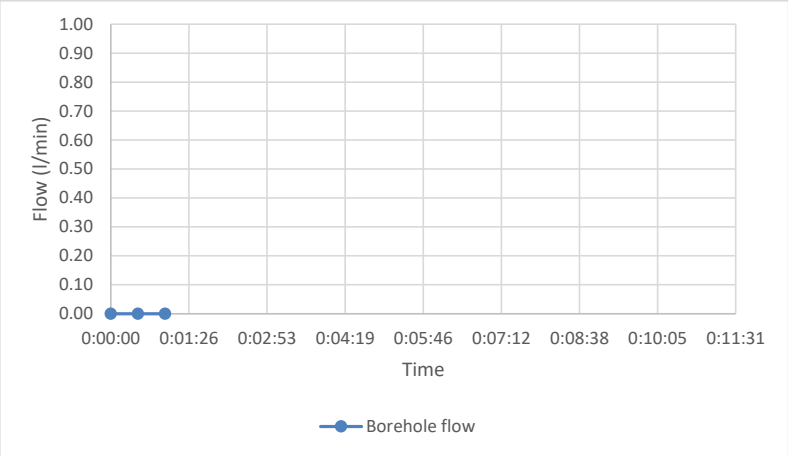
QA/QC Samples

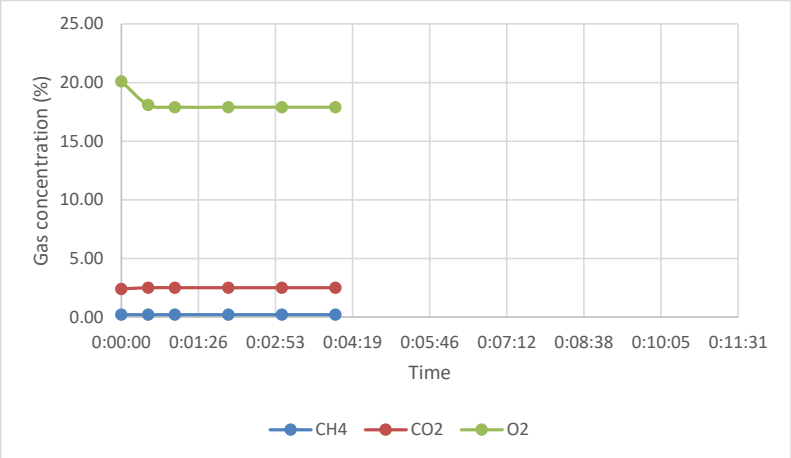
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

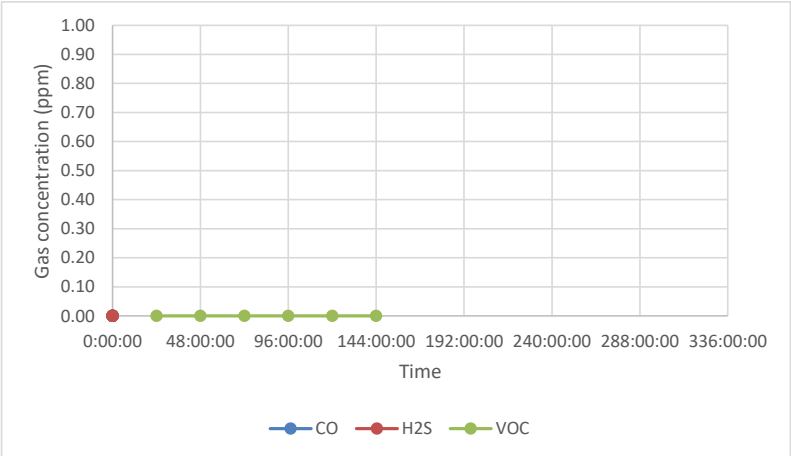
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.64
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.12
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS113	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.02	0.00	0.20	0.20	21.20	0.00	0.00	NM
0:00:30	-	0.00	0.20	0.80	20.70	0.00	0.00	NM
0:01:00	-	0.00	0.20	0.80	20.70	0.00	0.00	NM
0:02:00	-		0.20	0.80	20.70	0.00	0.00	NM
0:03:00	-		0.20	0.80	20.70	0.00	0.00	NM
0:04:00	-		0.20	0.80	20.70	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

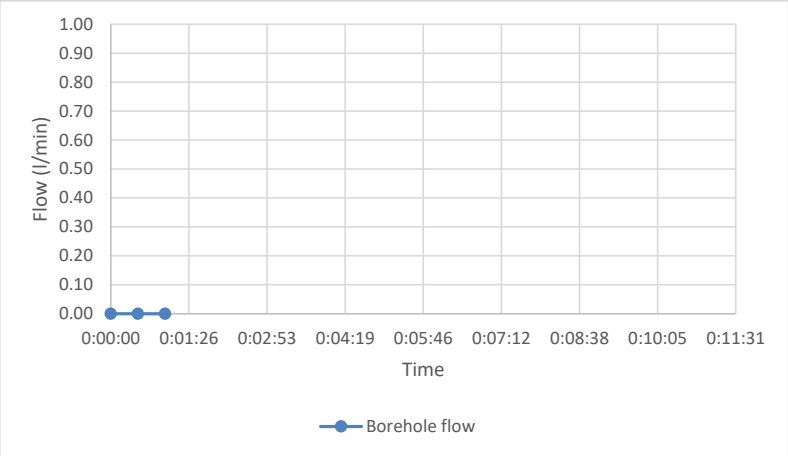
QA/QC Samples

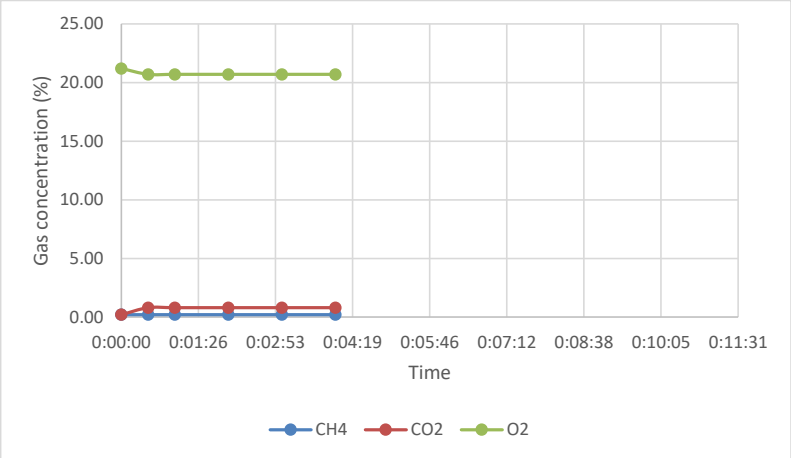
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

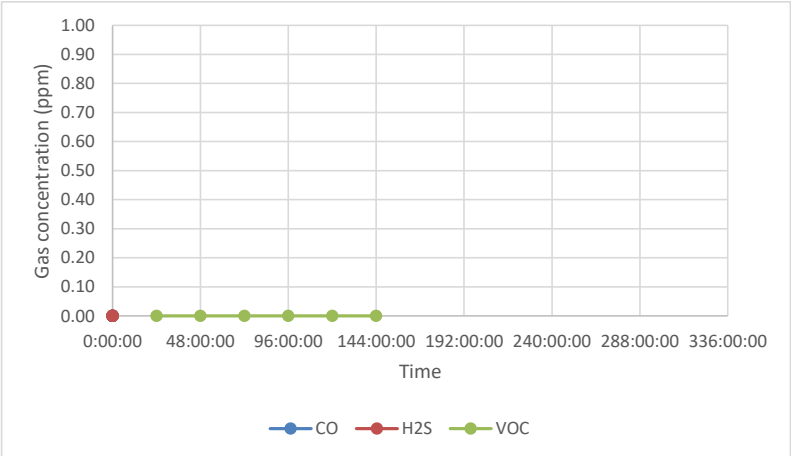
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.50
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.11
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS114	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	0.30	21.60	0.00	0.00	NM
0:00:30	-	0.00	0.20	2.00	19.50	0.00	0.00	NM
0:01:00	-	0.00	0.20	2.00	19.40	0.00	0.00	NM
0:02:00	-		0.20	2.00	19.40	0.00	0.00	NM
0:03:00	-		0.20	2.00	19.40	0.00	0.00	NM
0:04:00	-		0.20	2.00	19.40	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

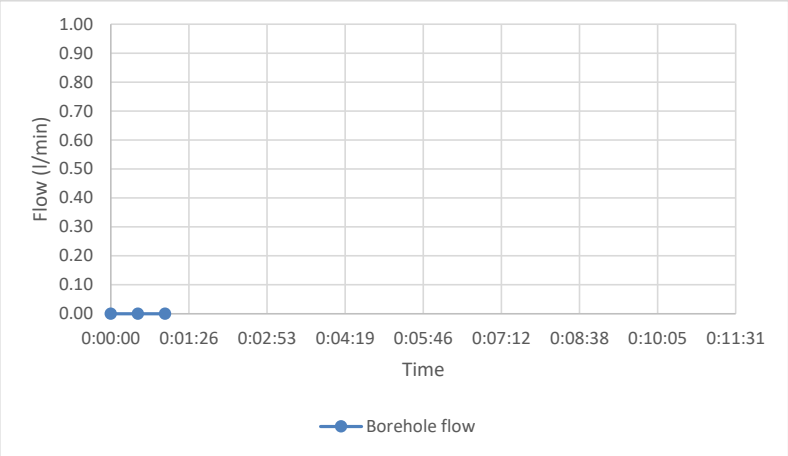
QA/QC Samples

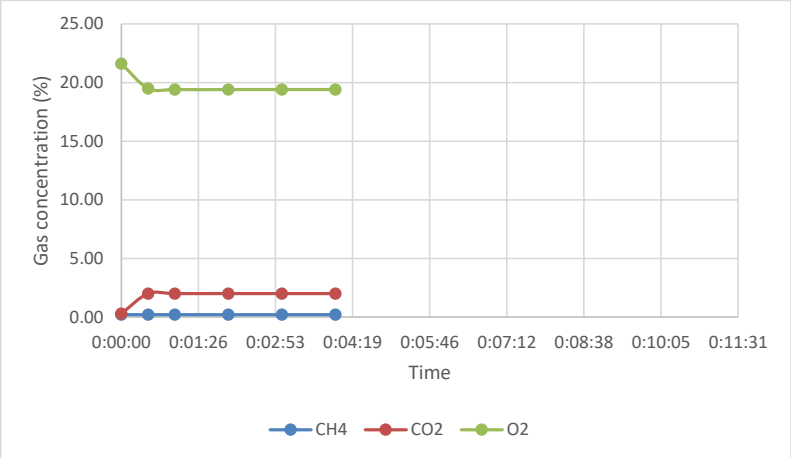
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

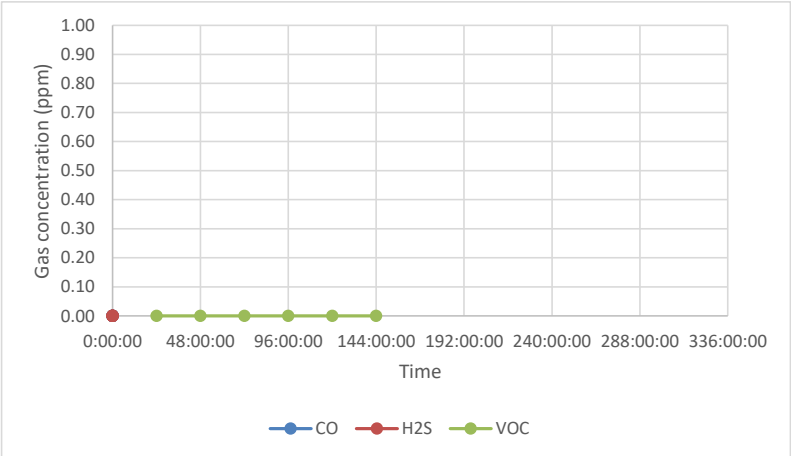
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.15
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**13/01/2025**	**Weather:**	Cold, light rain.
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS115	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	0.70
Well Material:	HDPE	**Base of Screen (m bgl):**	2.70
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	0.70
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.70
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-1.35	0.10	0.20	0.30	21.10	0.00	0.00	NM
0:00:30	-	0.10	0.20	1.00	19.80	0.00	0.00	NM
0:01:00	-	0.10	0.20	1.00	19.80	0.00	0.00	NM
0:02:00	-	0.10	0.20	1.00	19.80	0.00	0.00	NM
0:03:00	-		0.20	1.00	19.80	0.00	0.00	NM
0:04:00	-		0.20	1.00	19.80	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1031.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

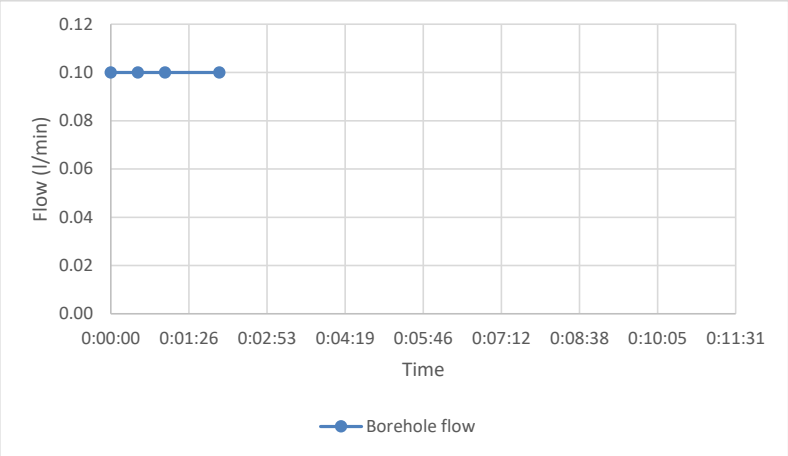
QA/QC Samples

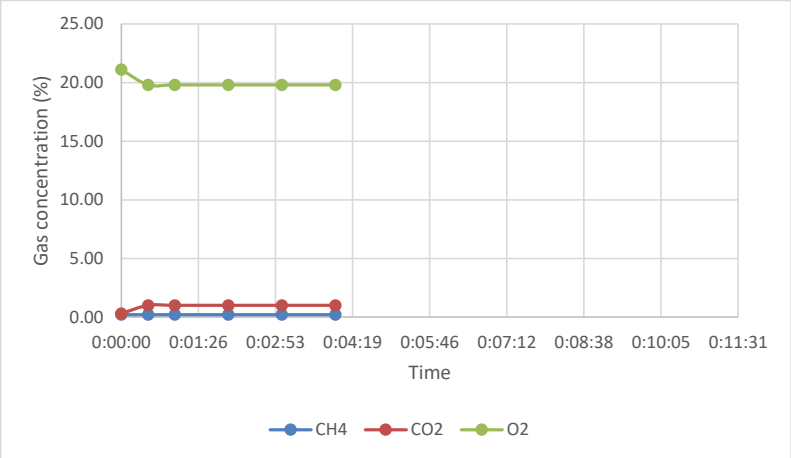
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

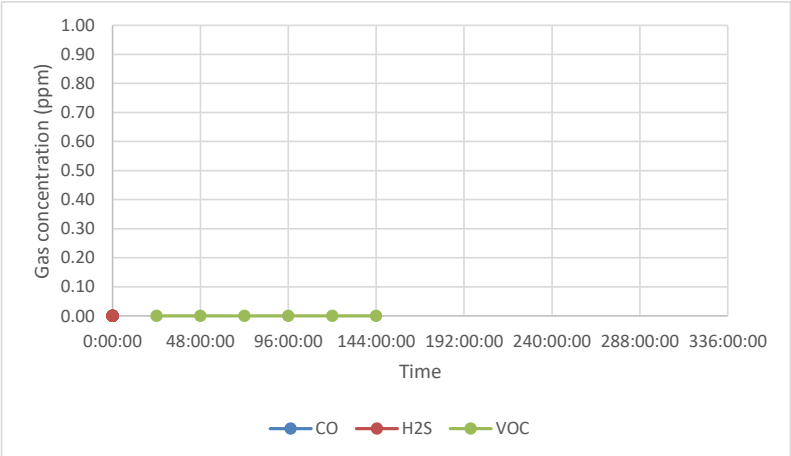
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.71
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.76
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.12
0.10
0.08
0.06
0.04
0.02
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS101	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.03	0.10	0.20	0.30	21.40	0.00	0.00	NM
0:00:30	-	0.30	0.20	2.50	18.90	0.00	0.00	NM
0:01:00	-	0.50	0.20	2.50	18.80	0.00	0.00	NM
0:02:00	-	0.50	0.20	2.50	18.80	0.00	0.00	NM
0:03:00	-	0.50	0.20	2.50	18.80	0.00	0.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1002.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

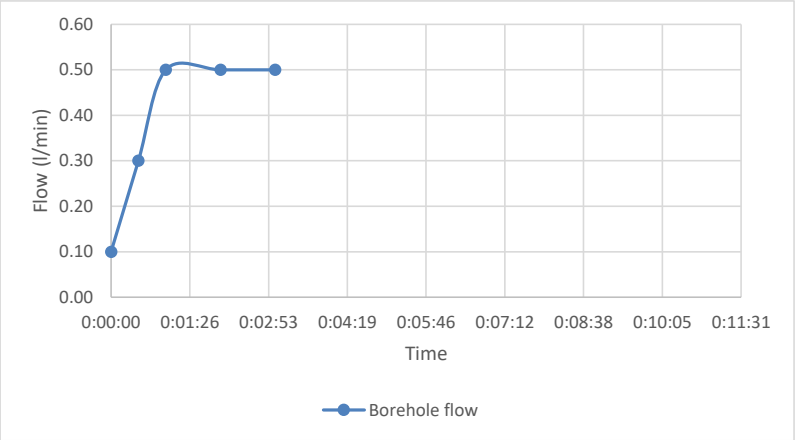
QA/QC Samples

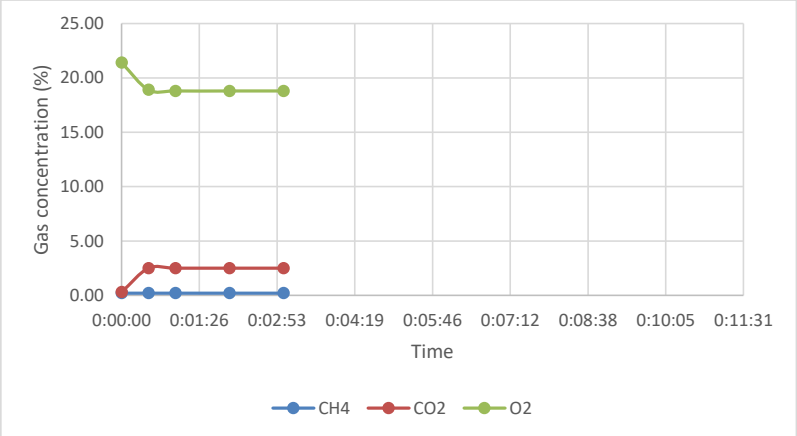
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

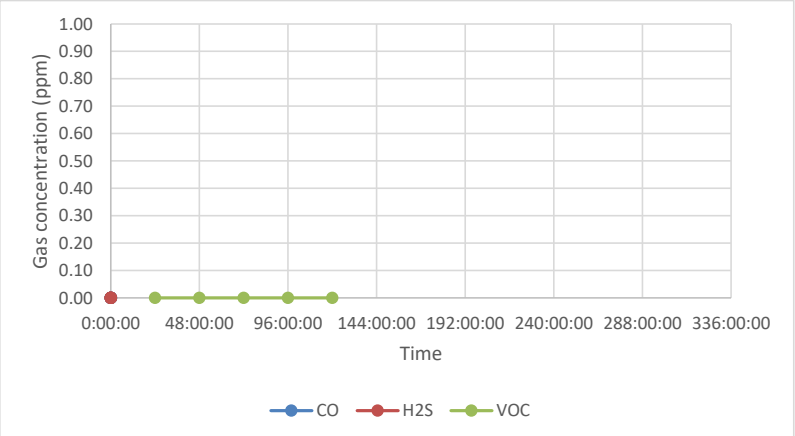
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	1.99
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS102	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.02	0.10	0.20	0.20	21.20	0.00	0.00	NM
0:00:30	-	0.10	0.20	3.10	17.40	0.00	0.00	NM
0:01:00	-	0.10	0.20	3.00	17.40	0.00	0.00	NM
0:02:00	-	0.10	0.20	3.00	17.40	0.00	0.00	NM
0:03:00	-	0.10	0.20	3.00	17.40	0.00	0.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1002.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

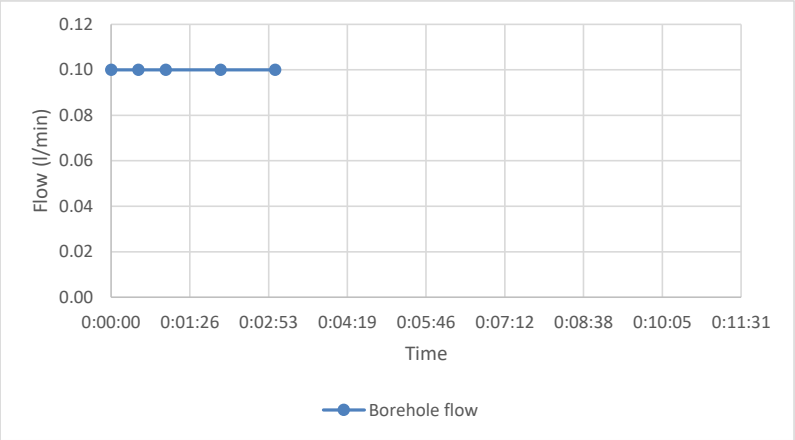
QA/QC Samples

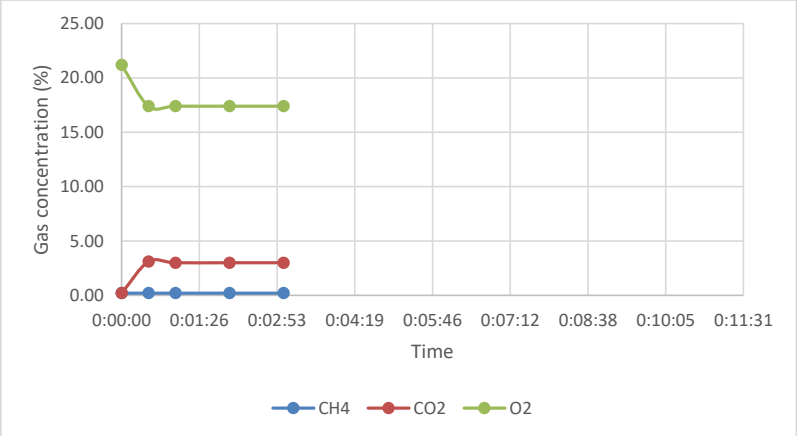
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

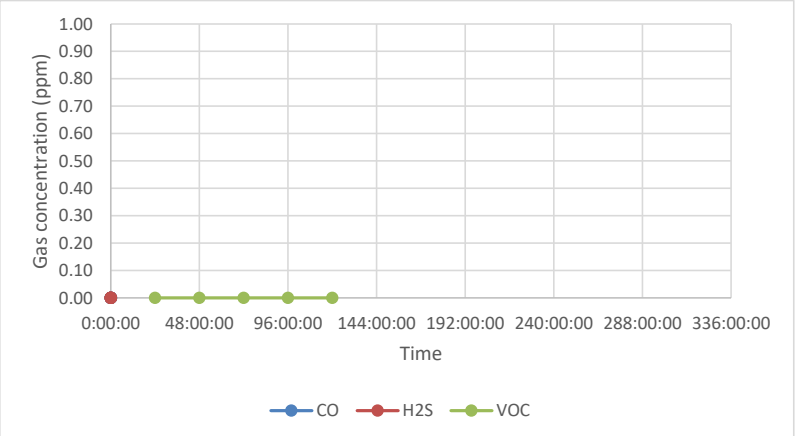
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.93
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.12
0.10
0.08
0.06
0.04
0.02
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	wS103	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.03	0.10	0.20	0.30	21.00	0.00	0.00	NM
0:00:30	-	0.40	0.20	0.60	20.70	0.00	0.00	NM
0:01:00	-	0.40	0.20	0.60	20.70	0.00	0.00	NM
0:02:00	-	0.50	0.20	0.60	20.80	0.00	0.00	NM
0:03:00	-	0.50	0.20	0.60	20.70	0.00	0.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1003.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

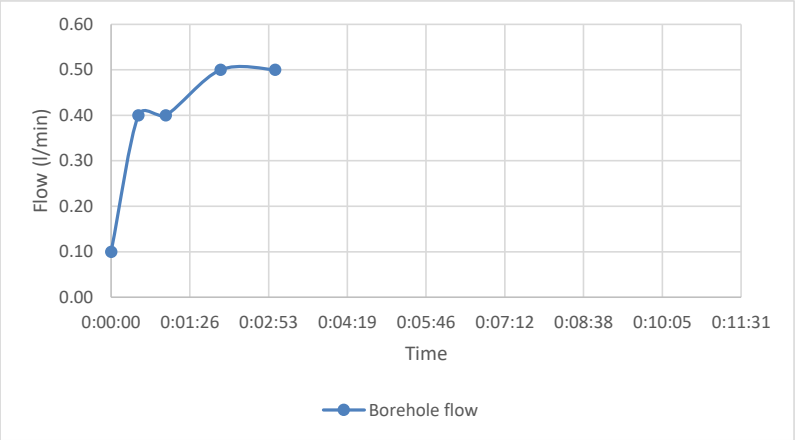
QA/QC Samples

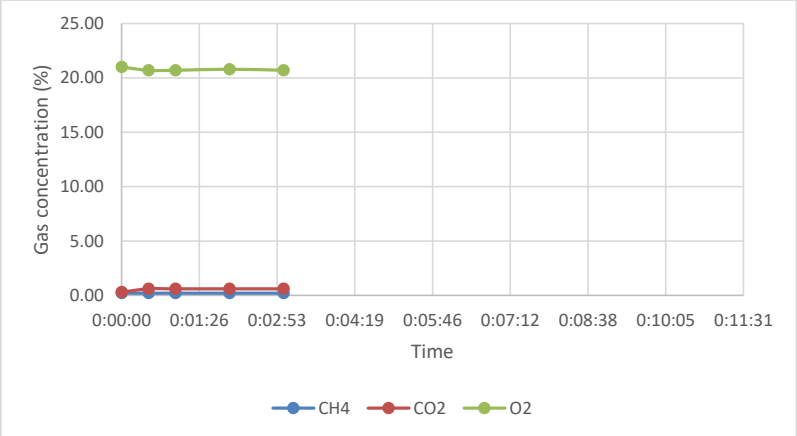
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

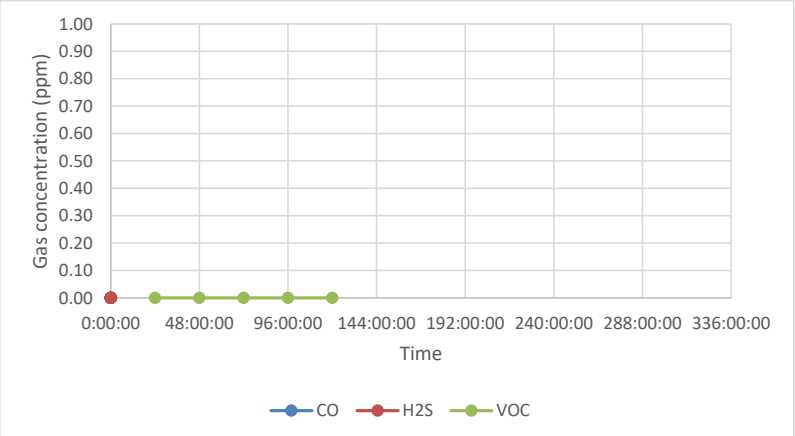
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.23
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.95
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS104	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.03	0.10	0.20	0.20	21.40	0.00	0.00	NM
0:00:30	-	0.40	0.20	1.50	19.70	0.00	0.00	NM
0:01:00	-	0.50	0.20	1.60	19.70	0.00	0.00	NM
0:02:00	-	0.50	0.20	1.60	19.70	0.00	0.00	NM
0:03:00	-	0.50	0.20	1.60	19.70	0.00	0.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1003.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

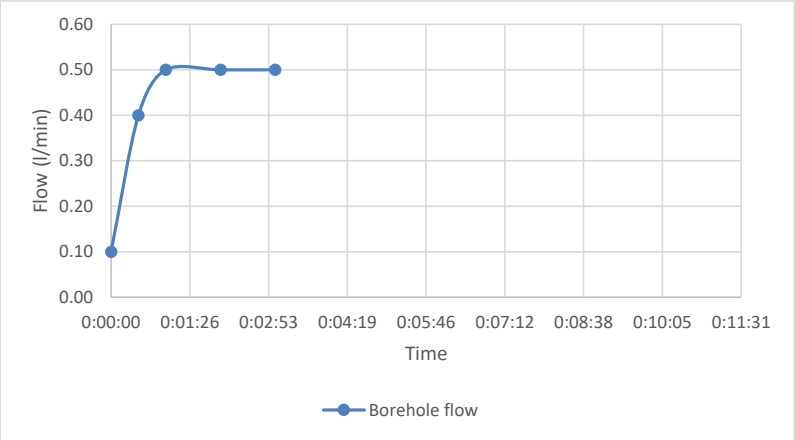
QA/QC Samples

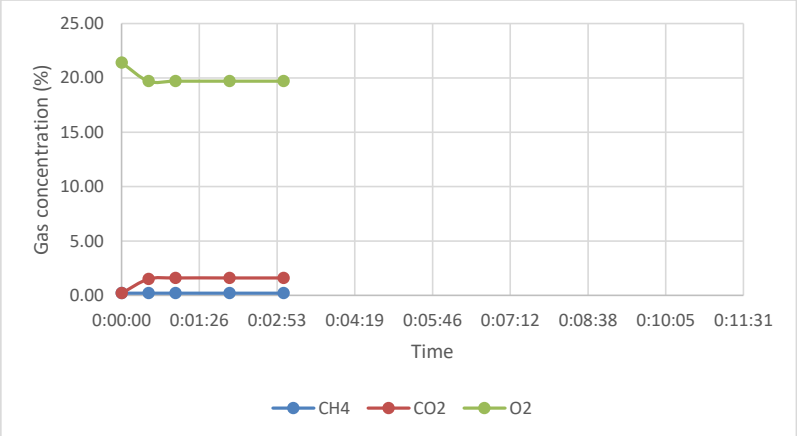
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

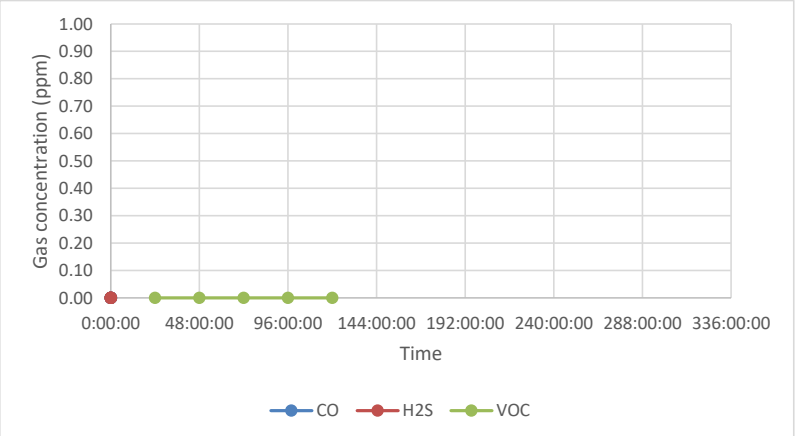
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.40
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.89
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS105	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.09	0.10	0.20	0.10	21.30	0.00	1.00	NM
0:00:30	-	0.20	0.20	0.30	21.00	0.00	1.00	NM
0:01:00	-	0.20	0.20	0.30	21.00	0.00	1.00	NM
0:02:00	-	0.20	0.20	0.30	21.00	0.00	1.00	NM
0:03:00	-	0.20	0.20	0.30	21.00	0.00	1.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

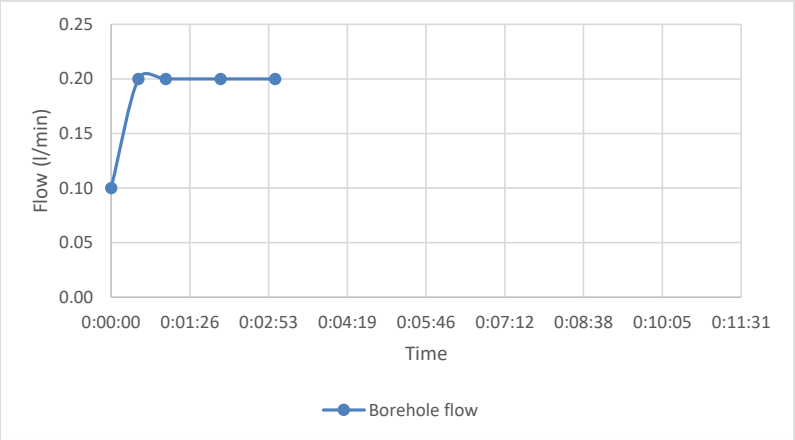
Ambient readings							
Atmospheric pressure (mb):	1003.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

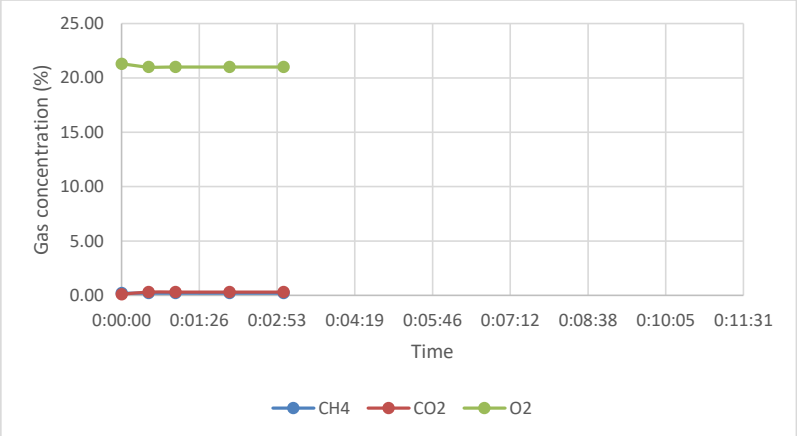
Observations during monitoring

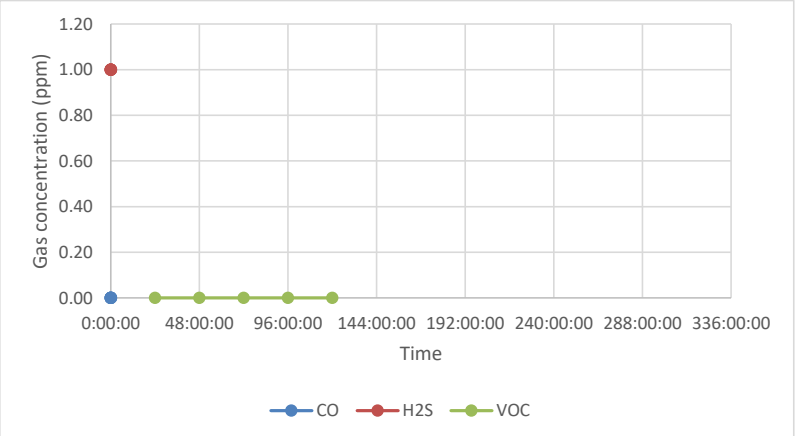
N/A

Samples			
Sample ID:		**Containers:**	
QA/QC Samples			
☐ Duplicate	**Sample ID:**	**Laboratory:**	
☐ Triplicate	**Sample ID:**	**Laboratory:**	

Groundwater Gauging:					
Monitoring Data					
Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.25
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.96
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.25
0.20
0.15
0.10
0.05
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS106	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.02	0.30	0.20	0.20	21.20	0.00	0.00	NM
0:00:30	-	0.60	0.20	1.60	19.60	0.00	0.00	NM
0:01:00	-	0.60	0.20	1.60	19.50	0.00	0.00	NM
0:02:00	-	0.70	0.20	1.60	19.50	0.00	0.00	NM
0:03:00	-	0.70	0.20	1.70	19.50	0.00	0.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1002.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

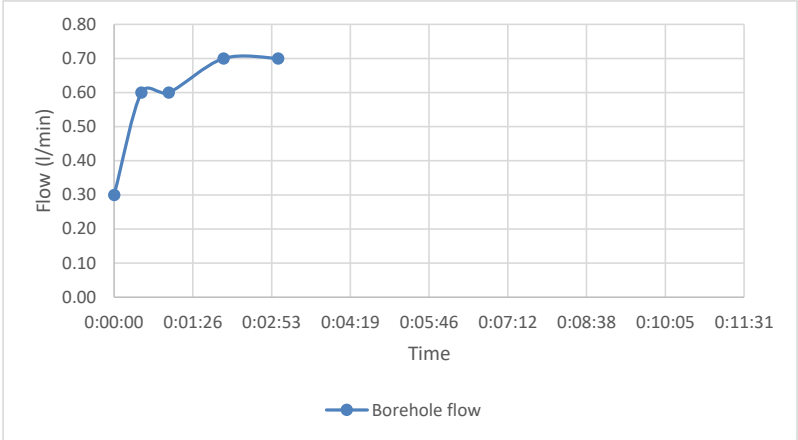
QA/QC Samples

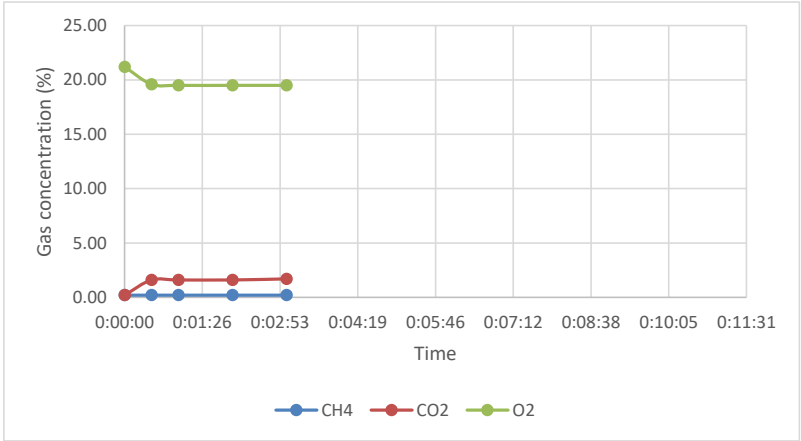
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

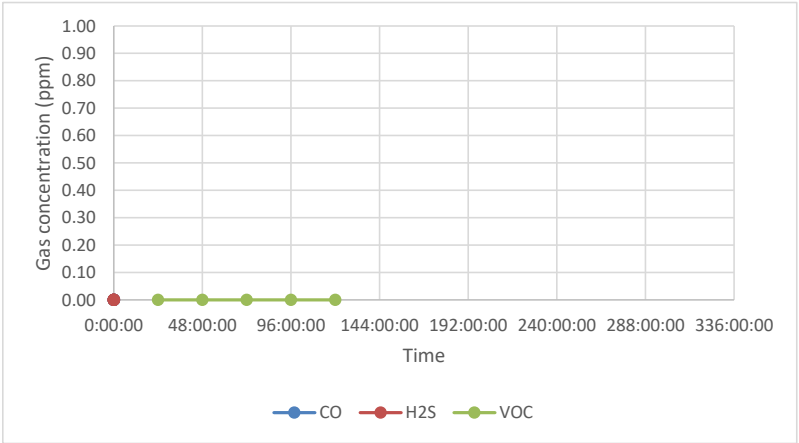
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	0.02
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS107	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.09	0.00	0.20	0.20	21.20	0.00	1.00	NM
0:00:30	-	0.20	0.20	0.70	20.70	0.00	0.00	NM
0:01:00	-	0.20	0.20	0.70	20.70	0.00	0.00	NM
0:02:00	-	0.20	0.20	0.70	20.70	0.00	1.00	NM
0:03:00	-	0.20	0.20	0.70	20.70	0.00	1.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1002.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

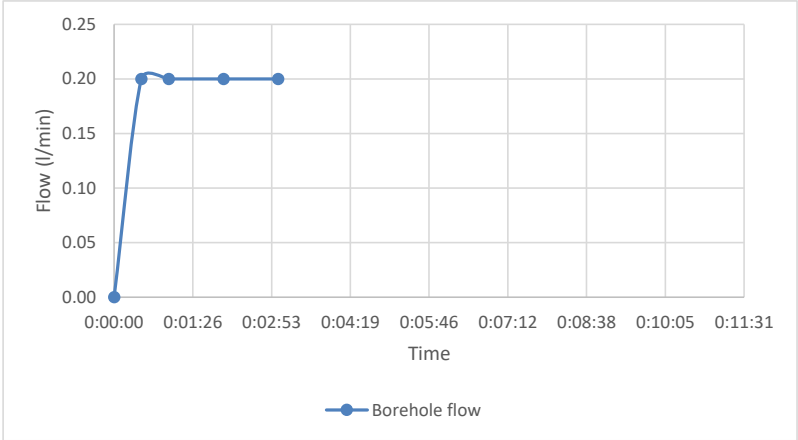
QA/QC Samples

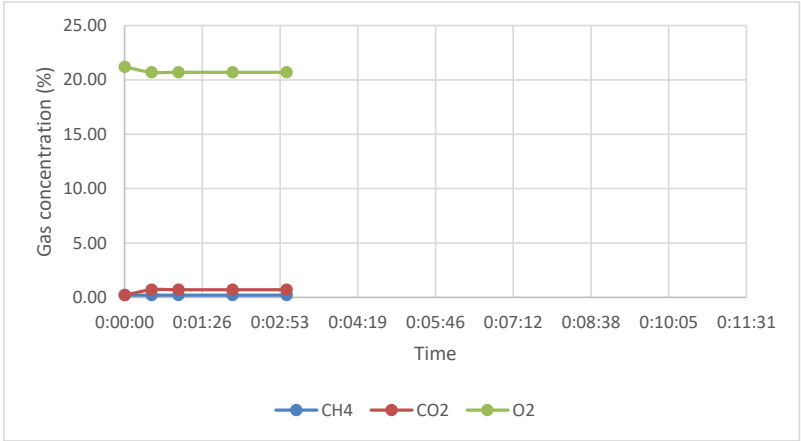
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

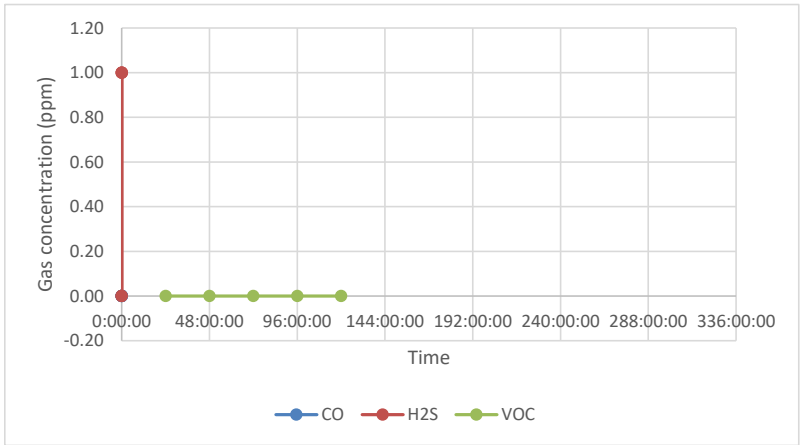
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.39
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.04
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.25
0.20
0.15
0.10
0.05
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
-0.20
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS108	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.09	0.10	0.20	0.20	21.20	0.00	0.00	NM
0:00:30	-	0.20	0.20	0.70	20.80	0.00	0.00	NM
0:01:00	-	0.30	0.20	0.80	20.80	0.00	0.00	NM
0:02:00	-	0.30	0.20	0.80	20.80	0.00	0.00	NM
0:03:00	-	0.30	0.20	0.80	20.70	0.00	0.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1002.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

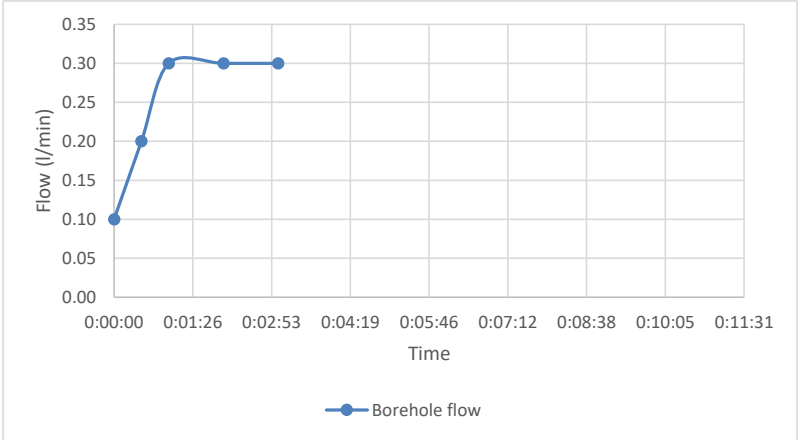
QA/QC Samples

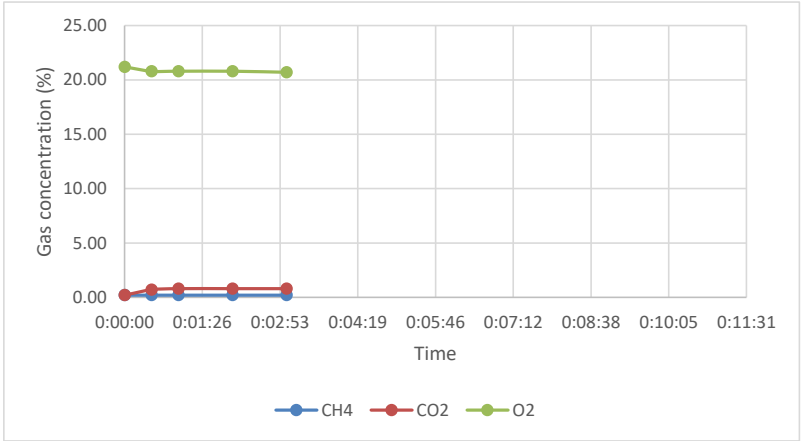
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

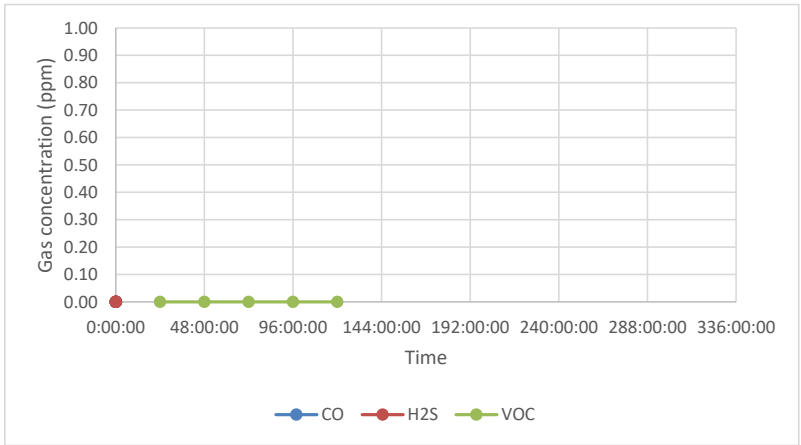
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.30
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.02
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS109	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	0.90
Well Material:	HDPE	**Base of Screen (m bgl):**	1.90
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	0.90
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	1.90
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.07	0.10	0.20	1.50	21.40	0.00	0.00	NM
0:00:30	-	0.50	0.20	0.90	20.60	0.00	0.00	NM
0:01:00	-	0.60	0.20	0.90	20.60	0.00	0.00	NM
0:02:00	-	0.60	0.20	0.90	20.60	0.00	0.00	NM
0:03:00	-	0.60	0.20	0.90	20.60	0.00	0.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1002.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

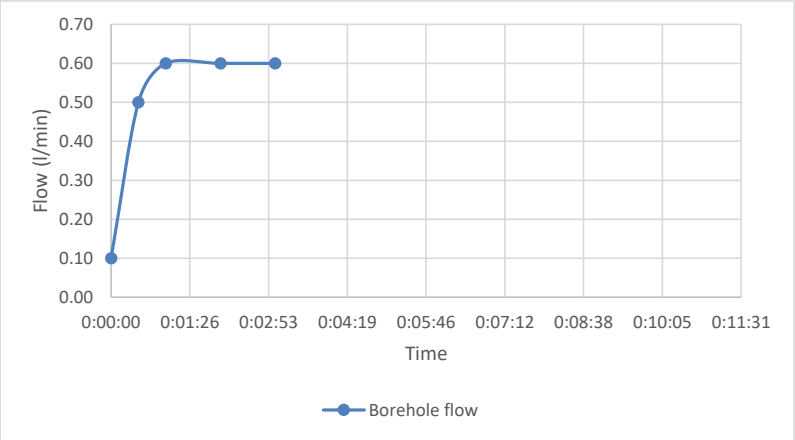
QA/QC Samples

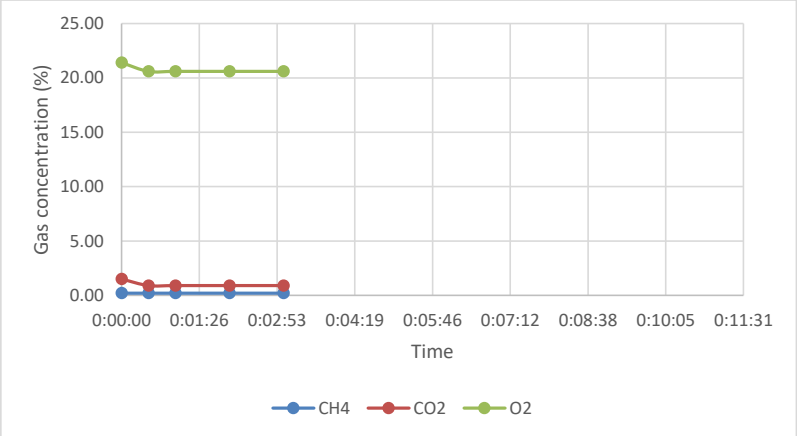
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

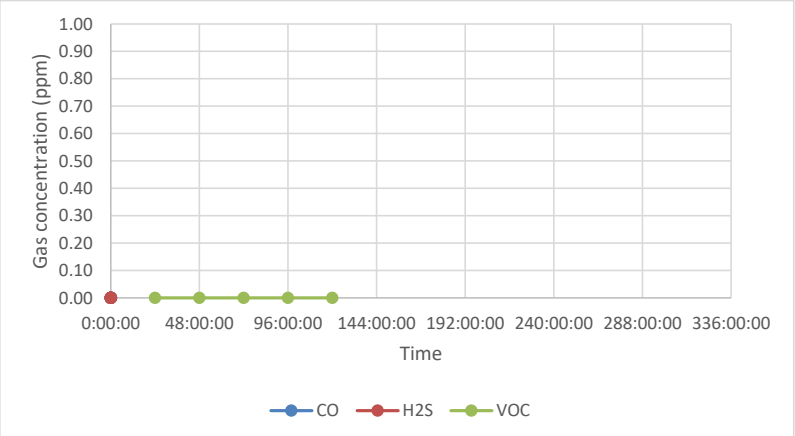
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	1.66
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS112	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.02	0.00	0.20	0.10	20.80	0.00	1.00	NM
0:00:30	-	0.10	0.20	2.50	17.60	0.00	1.00	NM
0:01:00	-	0.10	0.20	2.50	17.50	0.00	1.00	NM
0:02:00	-	0.10	0.20	2.50	17.50	0.00	1.00	NM
0:03:00	-		0.20	2.40	17.50	0.00	1.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1002.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

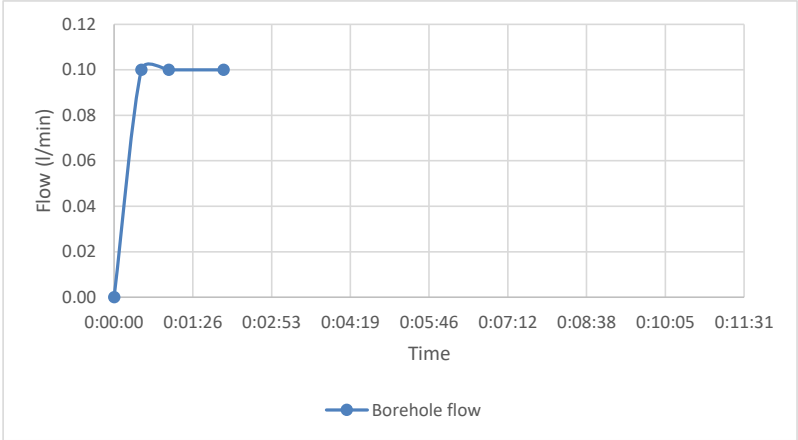
QA/QC Samples

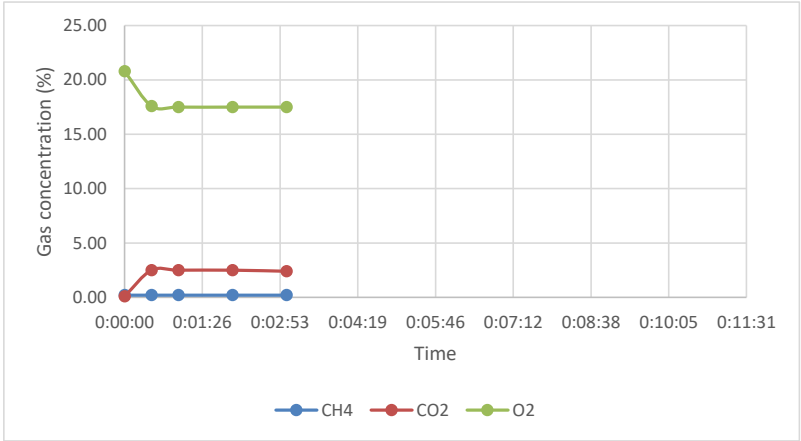
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

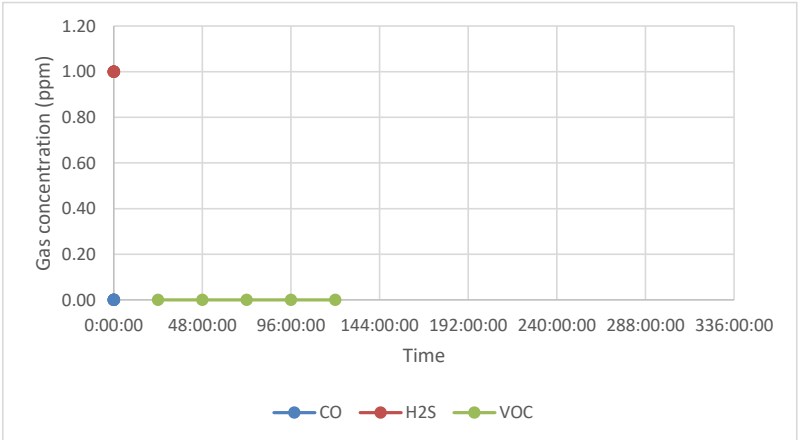
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.69
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.12
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.12
0.10
0.08
0.06
0.04
0.02
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS113	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.05	0.10	0.20	0.20	21.20	0.00	0.00	NM
0:00:30	-	0.40	0.20	0.60	20.90	0.00	0.00	NM
0:01:00	-	0.50	0.20	0.60	20.90	0.00	0.00	NM
0:02:00	-	0.50	0.20	0.60	20.90	0.00	0.00	NM
0:03:00	-	0.50	0.20	0.60	20.90	0.00	0.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1002.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

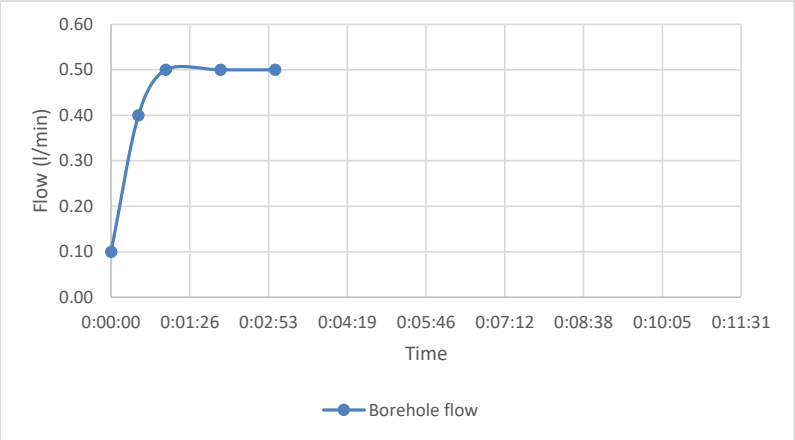
QA/QC Samples

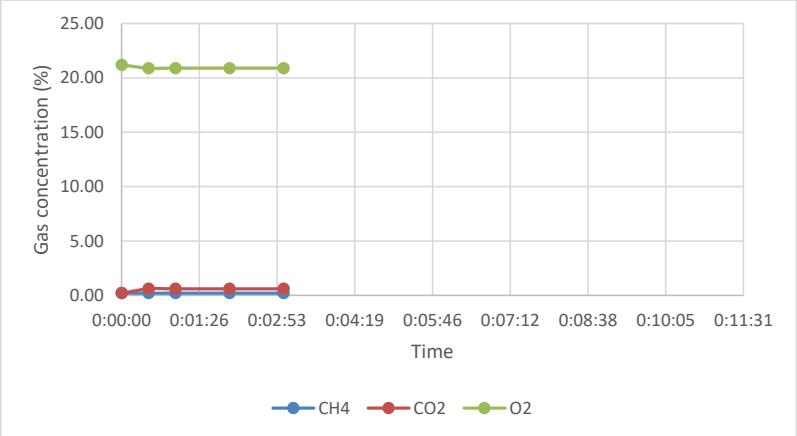
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

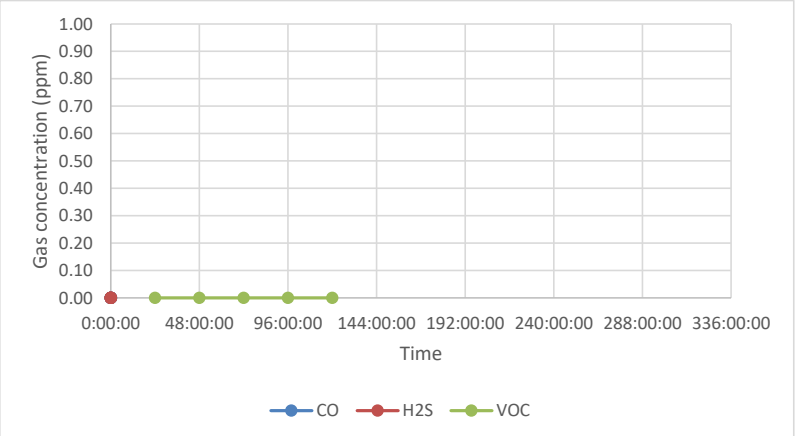
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.55
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.12
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**22/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS114	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well cover sunken.

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.02	0.20	0.20	0.00	21.20	0.00	0.00	NM
0:00:30	-	0.40	0.20	1.50	19.40	0.00	0.00	NM
0:01:00	-	0.50	0.20	1.50	19.40	0.00	0.00	NM
0:02:00	-	0.50	0.20	1.50	19.40	0.00	0.00	NM
0:03:00	-	0.50	0.20	1.50	19.40	0.00	0.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1003.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

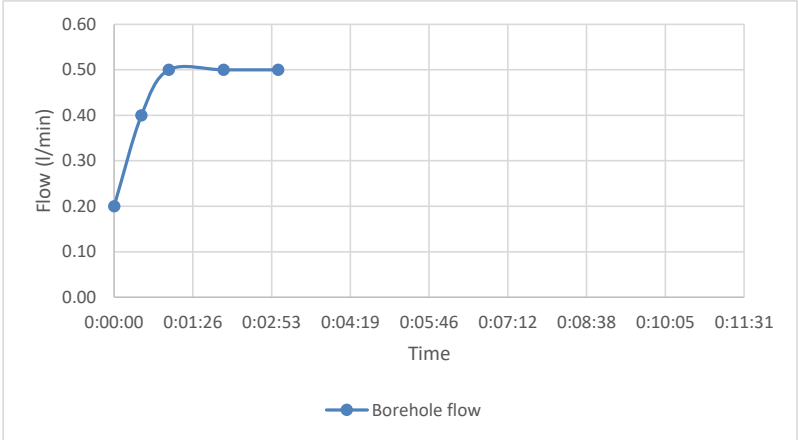
QA/QC Samples

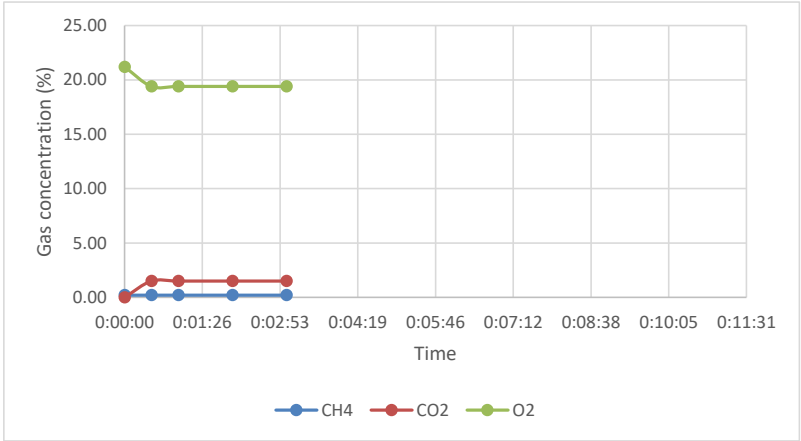
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

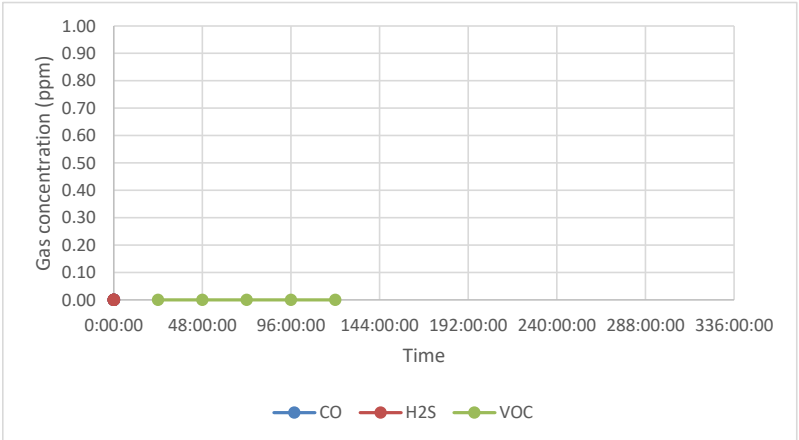
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.15
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**25/01/2025**	**Weather:**	Dry and mild
Comments:		**Recorded by:**	BH
Well Details			
Well ID:	WS115	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

N/A

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.07	0.10	0.20	0.40	20.60	0.00	1.00	NM
0:00:30	-	0.20	0.20	0.70	19.90	0.00	1.00	NM
0:01:00	-	0.30	0.20	0.70	19.90	0.00	1.00	NM
0:02:00	-	0.30	0.20	0.70	19.90	0.00	1.00	NM
0:03:00	-	0.30	0.20	0.70	19.90	0.00	1.00	NM
0:04:00	-							
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	1002.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.40	0.00	0.00	NM

Observations during monitoring

N/A

Samples

Sample ID:		**Containers:**	

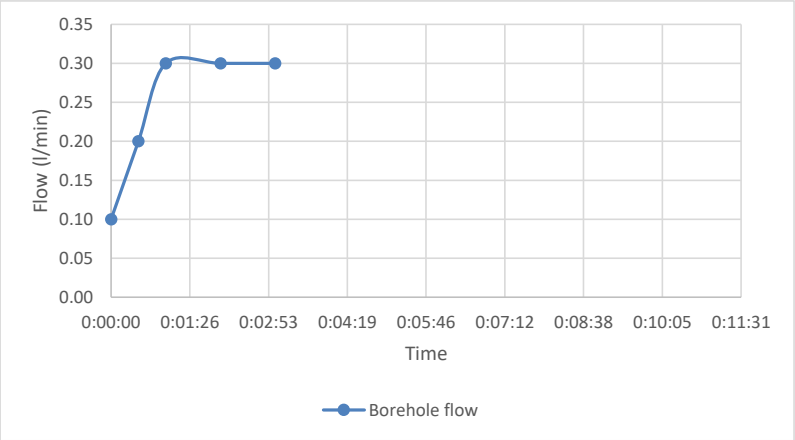
QA/QC Samples

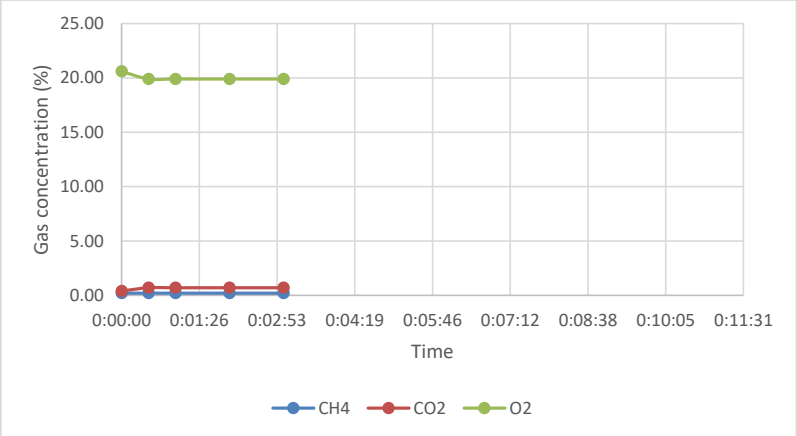
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

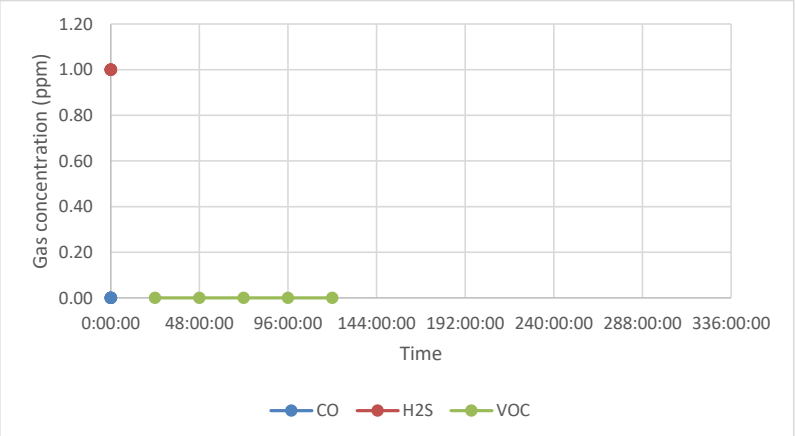
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.71
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.75
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS101	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.02	0.00	0.20	1.70	21.10	0.00	0.00	NM
0:00:30	-	0.00	0.20	1.70	19.70	0.00	0.00	NM
0:01:00	-	0.00	0.20	1.80	19.70	0.00	0.00	NM
0:02:00	-		0.20	1.90	19.50	0.00	0.00	NM
0:03:00	-		0.20	2.10	19.30	0.00	0.00	NM
0:04:00	-		0.20	2.50	19.00	0.00	0.00	NM
0:05:00	-		0.20	2.70	18.80	0.00	0.00	NM
0:06:00	-		0.20	2.80	18.70	0.00	0.00	NM
0:07:00	-		0.20	2.80	18.70	0.00	0.00	NM
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.00	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

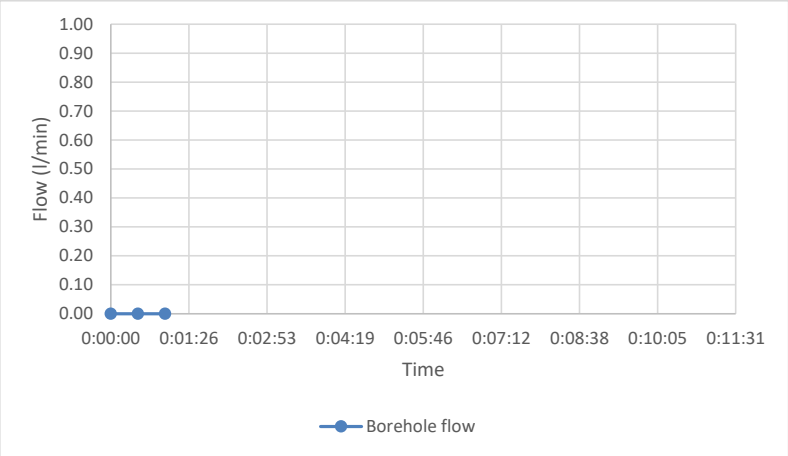
QA/QC Samples

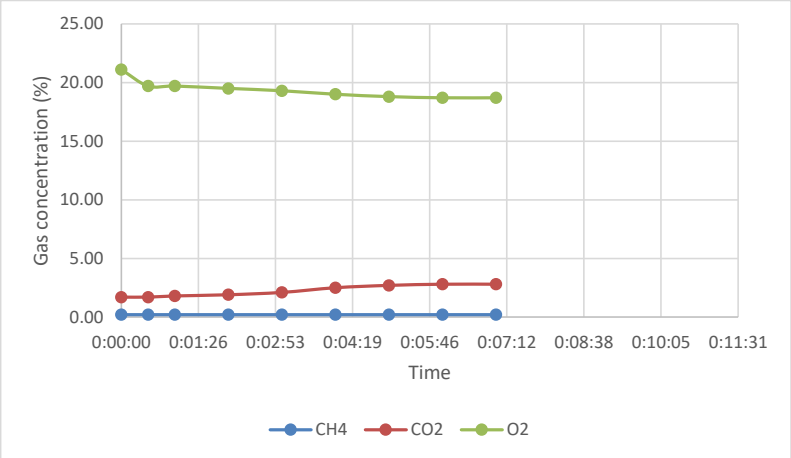
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

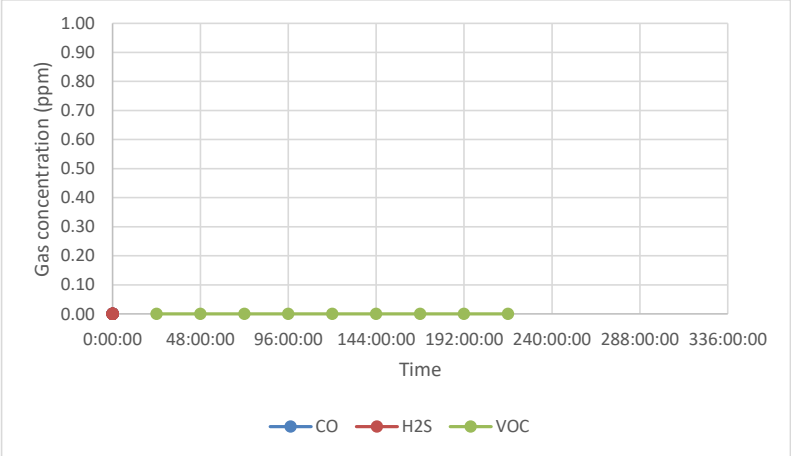
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	1.99
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS102	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	3.00	17.00	0.00	1.00	NM
0:00:30	-	0.00	0.20	3.00	16.80	0.00	1.00	NM
0:01:00	-	0.00	0.20	3.00	16.60	0.00	1.00	NM
0:02:00	-		0.20	3.00	16.60	0.00	1.00	NM
0:03:00	-		0.20	3.00	16.60	0.00	1.00	NM
0:04:00	-		0.20	3.00	16.60	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.00	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

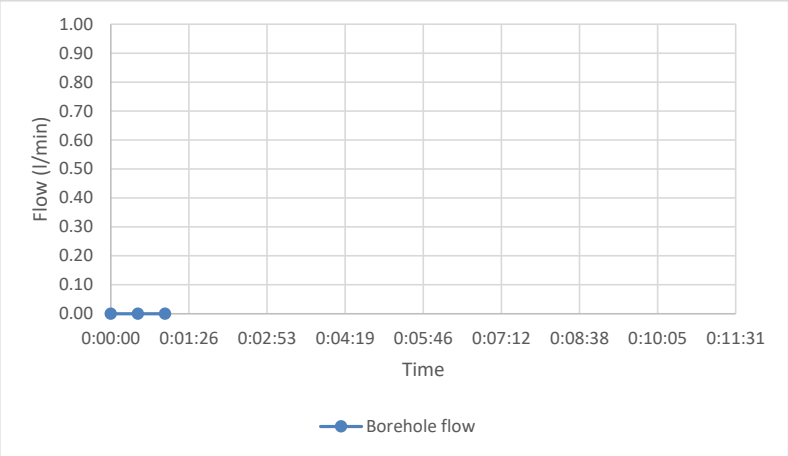
QA/QC Samples

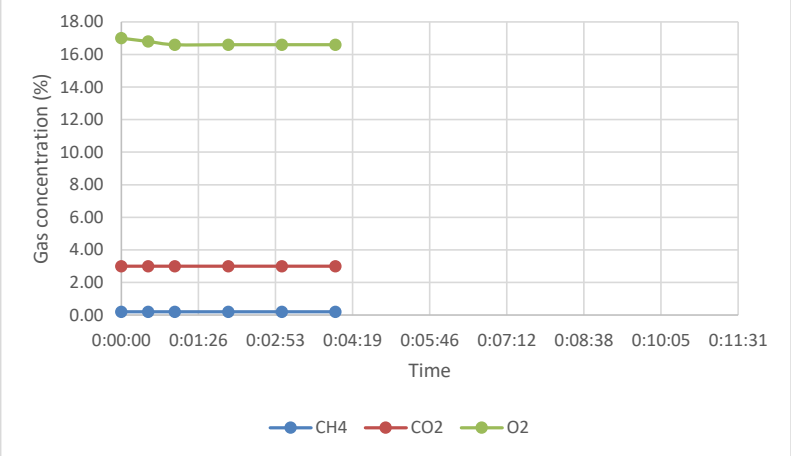
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

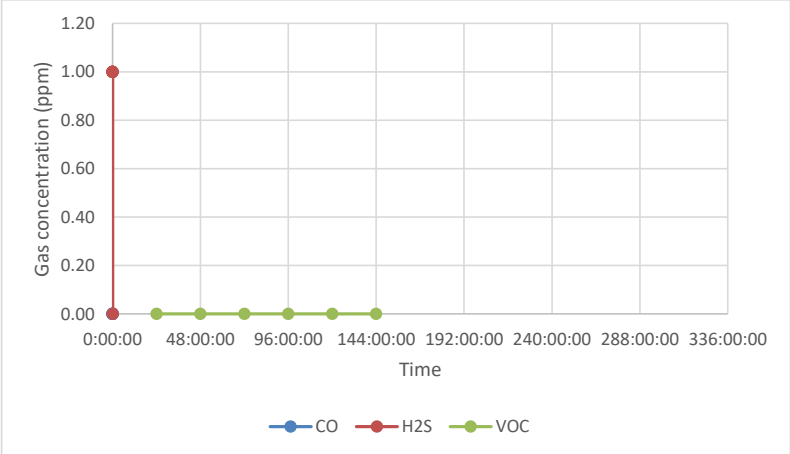
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.94
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	wS103	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.02	0.00	0.20	0.40	20.40	0.00	1.00	NM
0:00:30	-	0.00	0.20	0.50	20.20	0.00	1.00	NM
0:01:00	-	0.00	0.20	0.60	20.20	0.00	1.00	NM
0:02:00	-		0.20	0.60	20.20	0.00	1.00	NM
0:03:00	-		0.20	0.60	20.20	0.00	1.00	NM
0:04:00	-		0.20	0.60	20.20	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.00	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

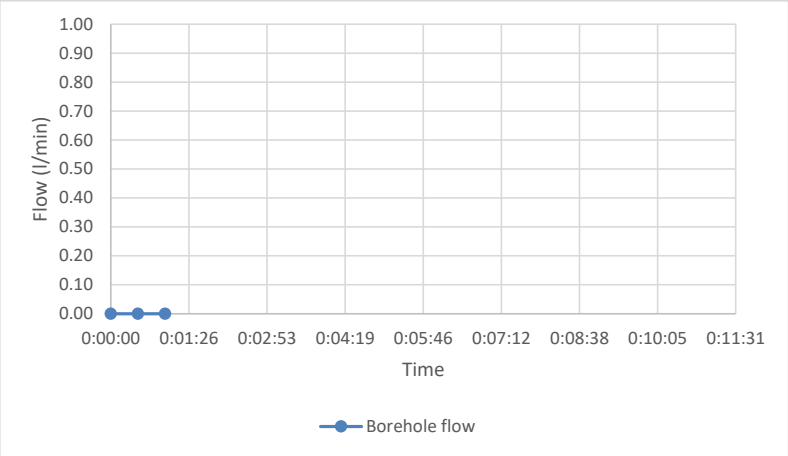
QA/QC Samples

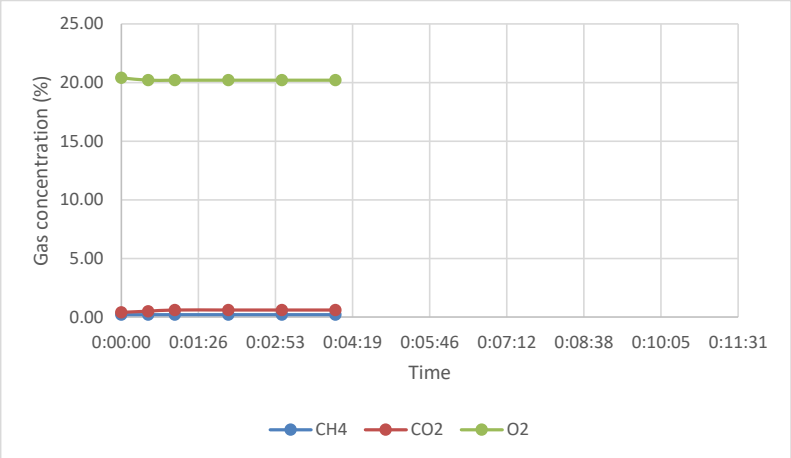
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

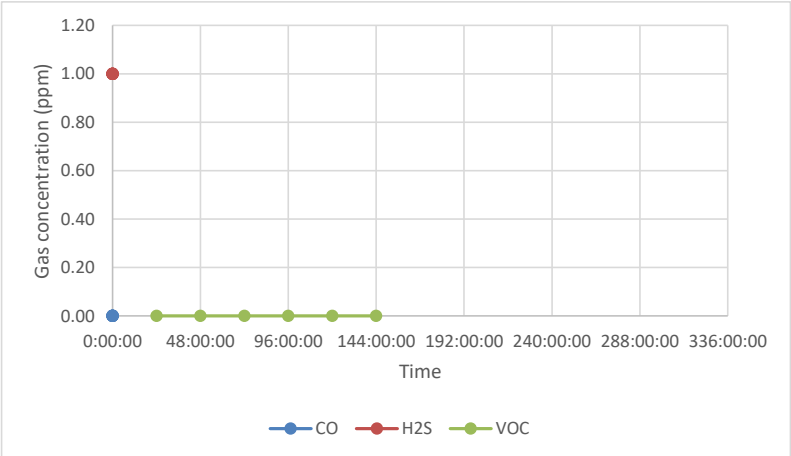
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.27
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.96
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS104	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	0.20	21.50	0.00	0.00	NM
0:00:30	-	0.00	0.20	1.30	20.60	0.00	0.00	NM
0:01:00	-	0.00	0.20	1.30	20.50	0.00	0.00	NM
0:02:00	-		0.20	1.50	20.40	0.00	0.00	NM
0:03:00	-		0.20	1.50	20.30	0.00	0.00	NM
0:04:00	-		0.20	1.60	20.30	0.00	0.00	NM
0:05:00	-		0.20	1.70	20.20	0.00	0.00	NM
0:06:00	-		0.20	1.70	20.20	0.00	0.00	NM
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.00	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

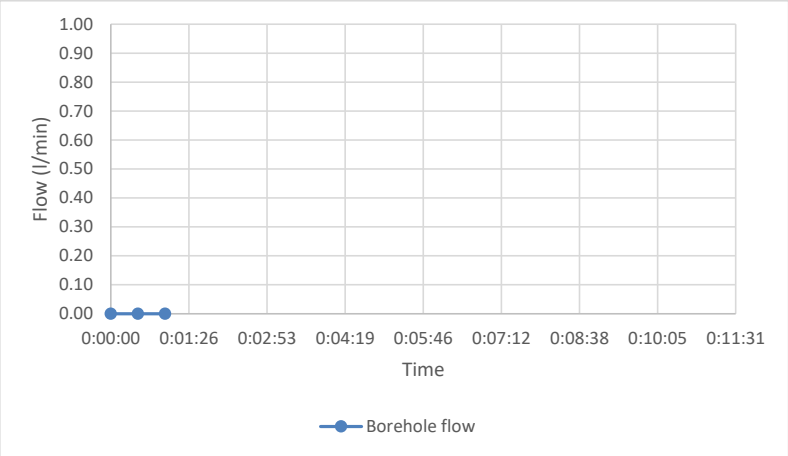
QA/QC Samples

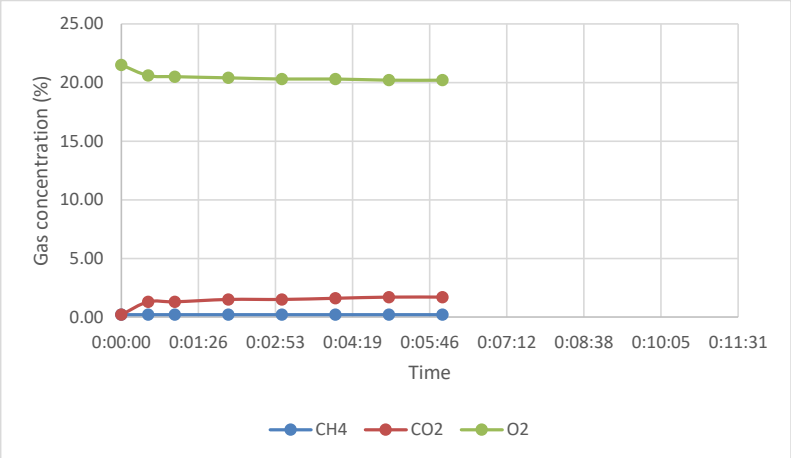
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

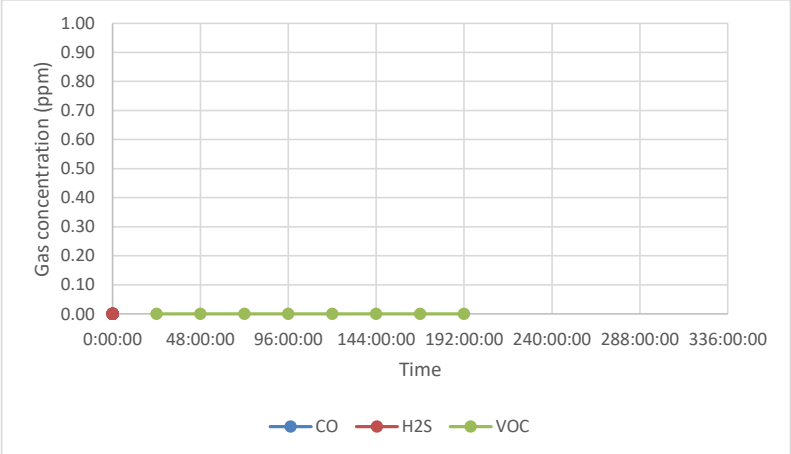
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.54
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.89
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS105	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	0.20	20.80	0.00	1.00	NM
0:00:30	-	0.00	0.20	0.30	20.70	0.00	1.00	NM
0:01:00	-	0.00	0.20	0.30	20.70	0.00	1.00	NM
0:02:00	-		0.20	0.30	20.70	0.00	1.00	NM
0:03:00	-		0.20	0.30	20.70	0.00	1.00	NM
0:04:00	-		0.20	0.30	20.70	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.00	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

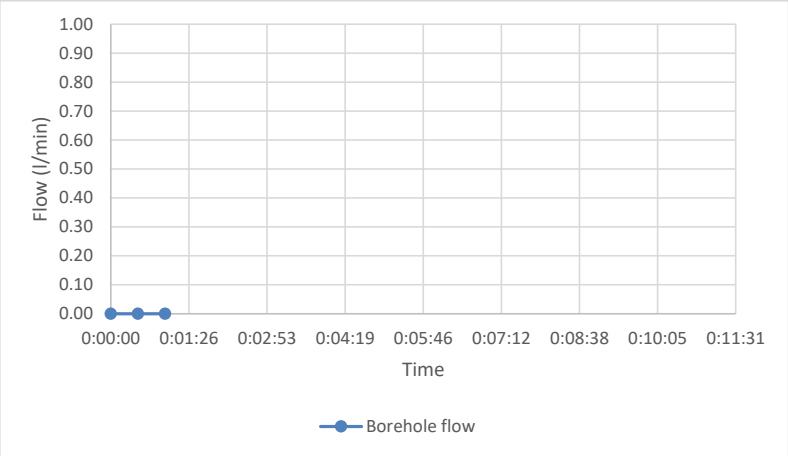
QA/QC Samples

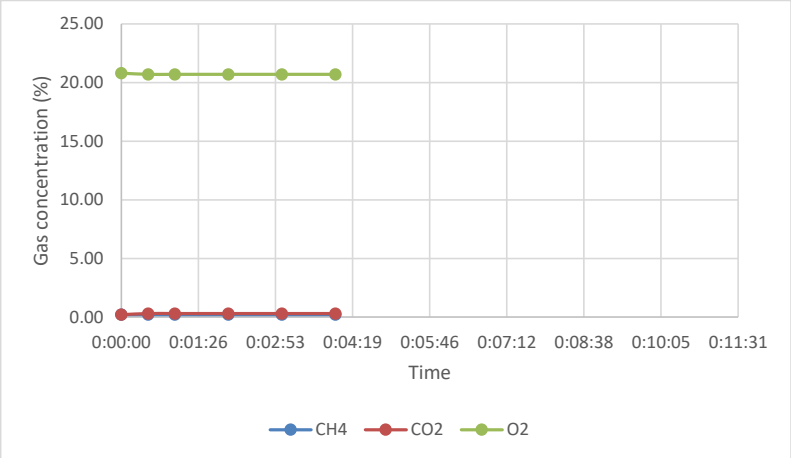
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

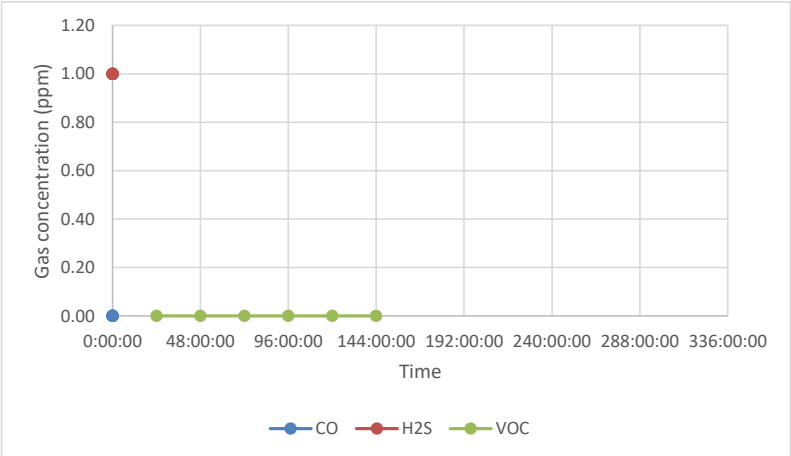
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.28
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.95
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS106	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	0.10	21.20	0.00	0.00	NM
0:00:30	-	0.00	0.20	1.50	19.90	0.00	1.00	NM
0:01:00	-	0.00	0.20	1.50	19.80	0.00	1.00	NM
0:02:00	-		0.20	1.50	19.80	0.00	1.00	NM
0:03:00	-		0.20	1.50	19.80	0.00	1.00	NM
0:04:00	-		0.20	1.50	19.80	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.00	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

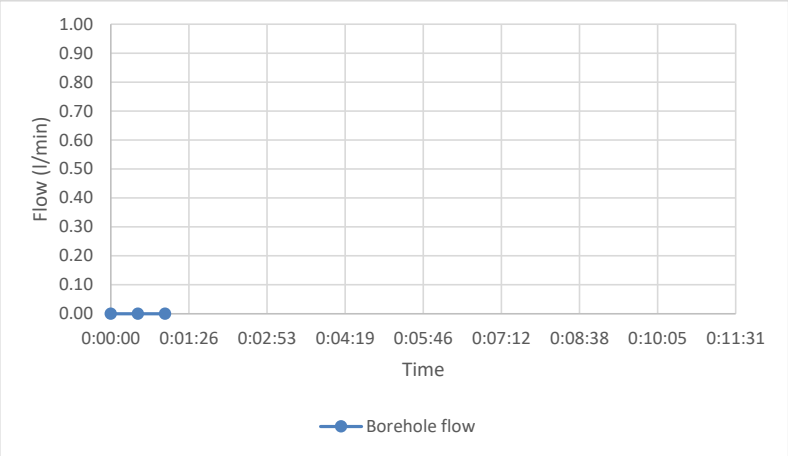
QA/QC Samples

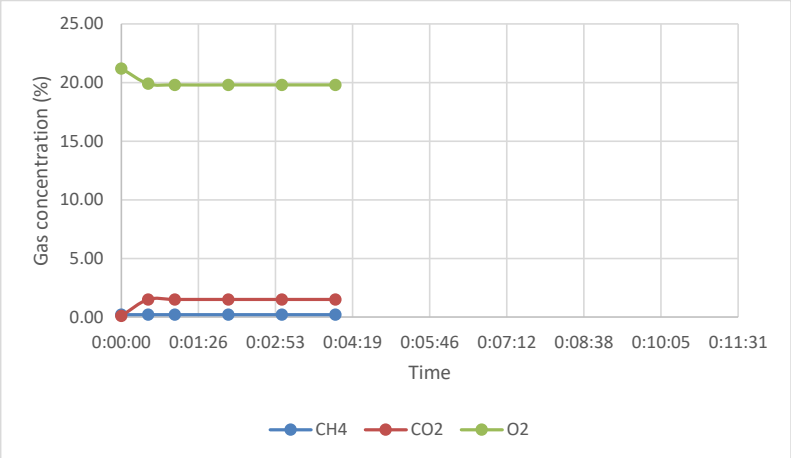
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

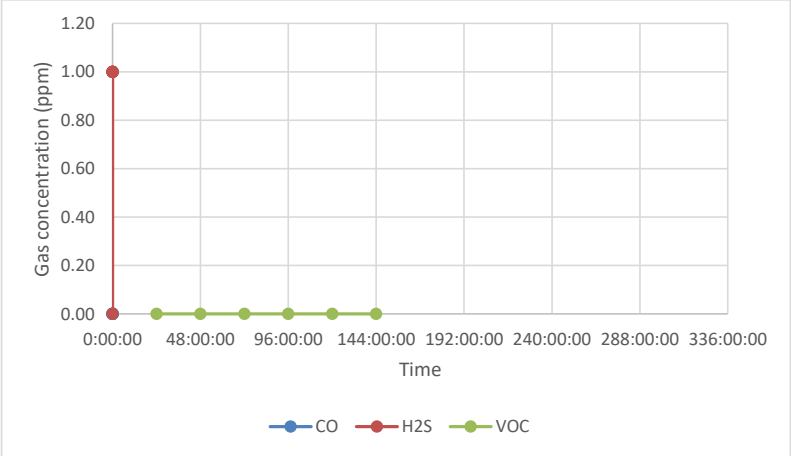
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.04
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS107	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0	0.00	0.20	0.20	21.10	0.00	0.00	NM
0:00:30	-	0.00	0.20	0.50	20.90	0.00	1.00	NM
0:01:00	-	0.00	0.20	0.50	20.90	0.00	1.00	NM
0:02:00	-		0.20	0.60	20.80	0.00	1.00	NM
0:03:00	-		0.20	0.60	20.80	0.00	1.00	NM
0:04:00	-		0.20	0.70	20.70	0.00	1.00	NM
0:05:00	-		0.20	0.70	20.70	0.00	1.00	NM
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.00	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

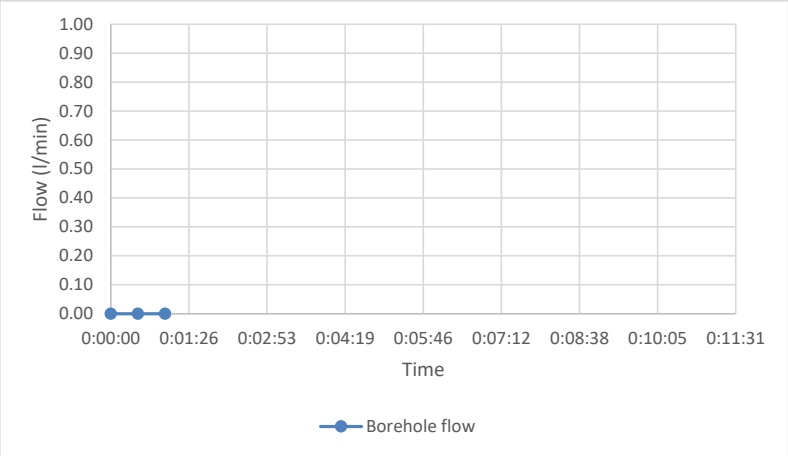
QA/QC Samples

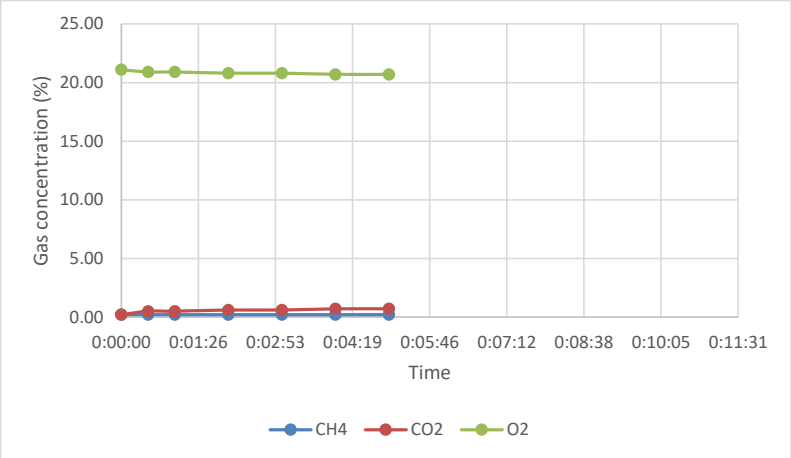
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

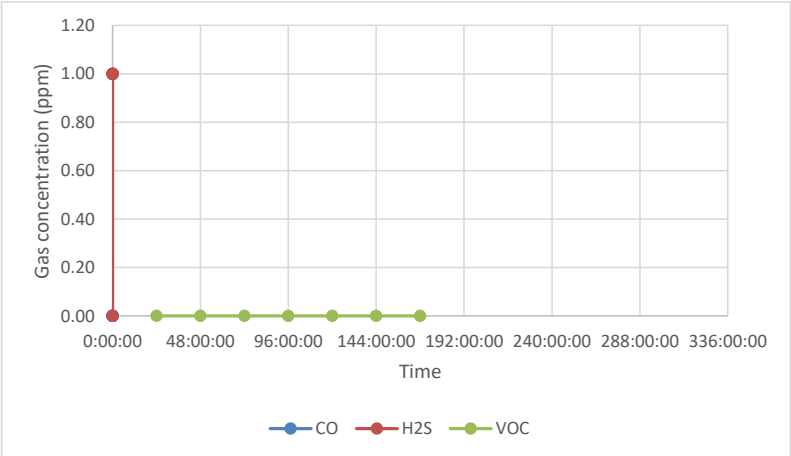
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.40
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.10
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS108	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.02	0.00	0.20	0.80	20.60	0.00	1.00	NM
0:00:30	-	0.00	0.20	0.80	20.50	0.00	0.00	NM
0:01:00	-	0.00	0.20	0.80	20.50	0.00	1.00	NM
0:02:00	-		0.20	0.80	20.50	0.00	1.00	NM
0:03:00	-		0.20	0.80	20.60	0.00	1.00	NM
0:04:00	-		0.20	0.80	20.60	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.00	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

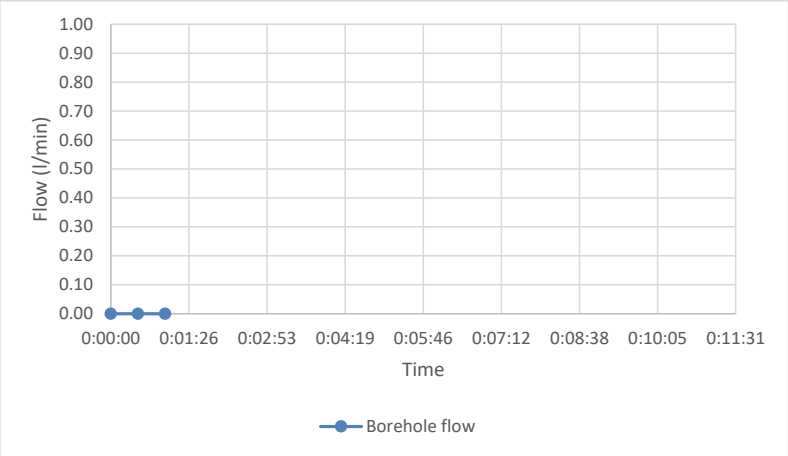
QA/QC Samples

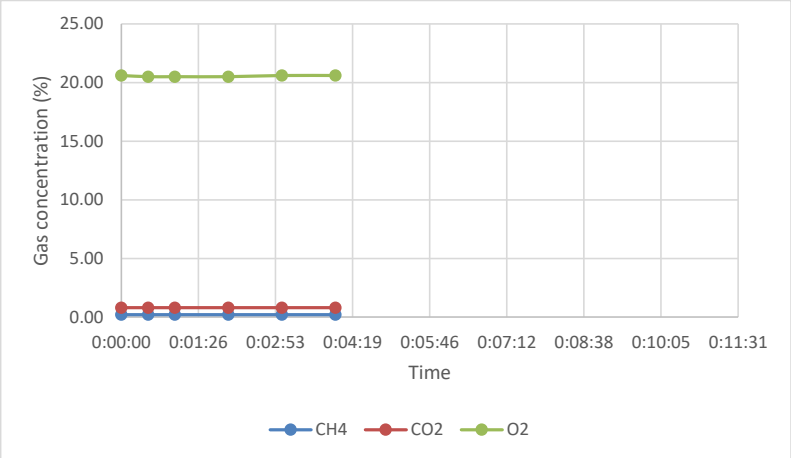
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

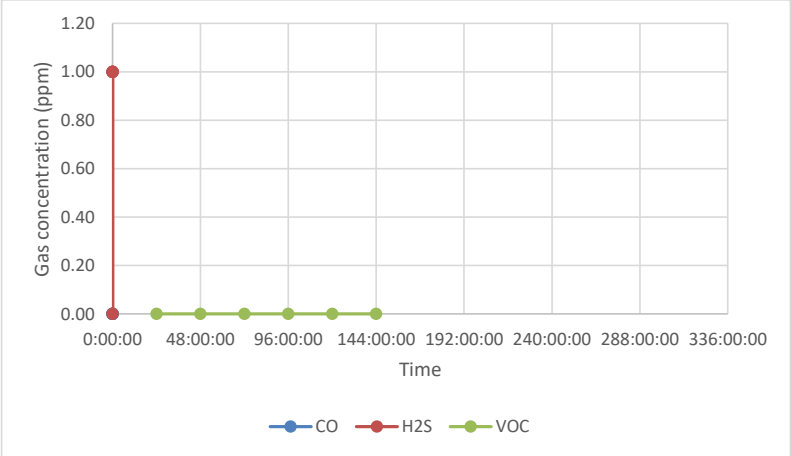
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.31
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.02
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS109	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	1.90
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	1.90
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.02	0.00	0.20	1.00	20.80	0.00	0.00	NM
0:00:30	-	0.00	0.20	1.00	20.70	0.00	0.00	NM
0:01:00	-	0.00	0.20	1.00	20.70	0.00	0.00	NM
0:02:00	-		0.20	1.00	20.70	0.00	0.00	NM
0:03:00	-		0.20	1.00	20.70	0.00	0.00	NM
0:04:00	-		0.20	1.00	20.70	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

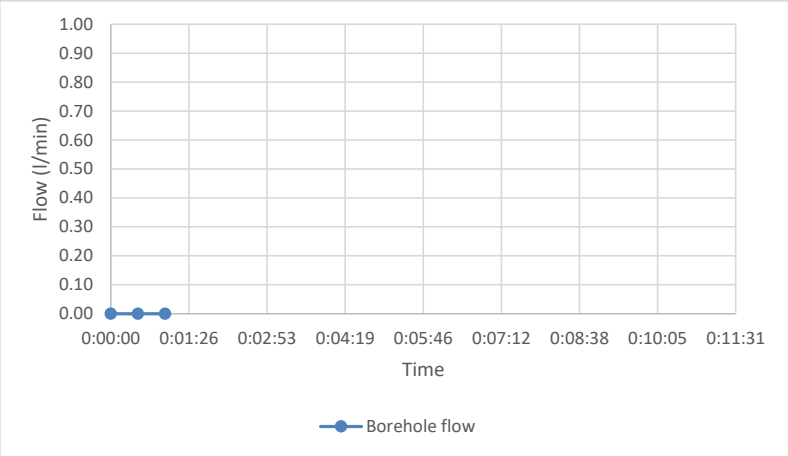
QA/QC Samples

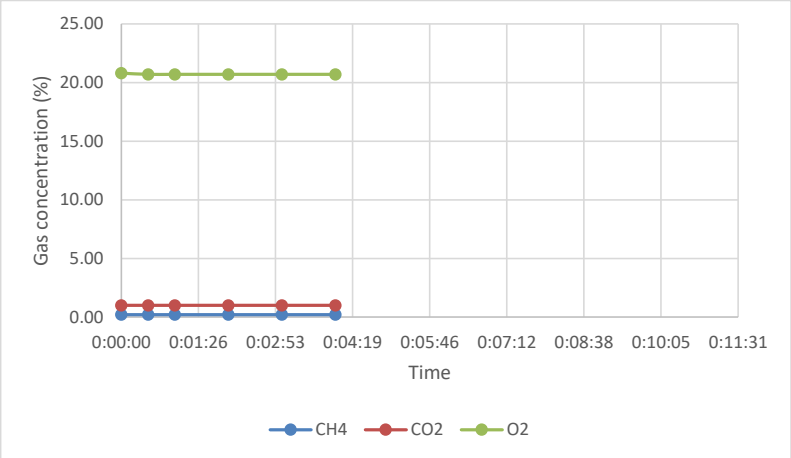
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

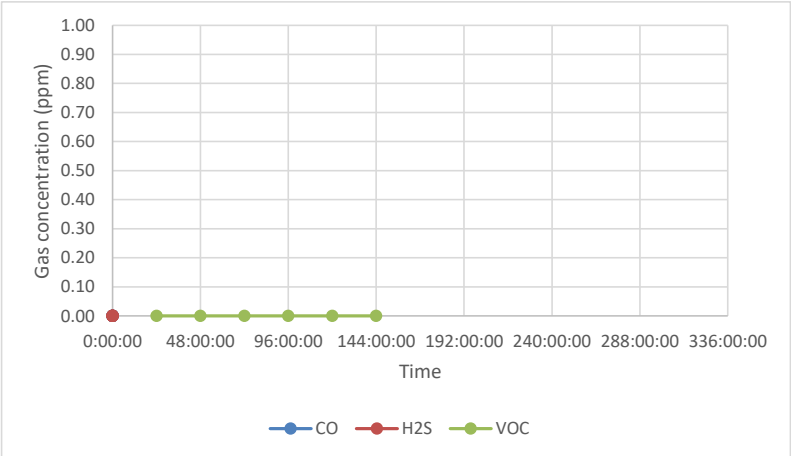
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	-
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	1.66
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS112	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.0.	0.00	0.20	1.90	20.50	0.00	0.00	NM
0:00:30	-	0.00	0.20	1.90	18.80	0.00	0.00	NM
0:01:00	-	0.00	0.20	1.90	18.80	0.00	0.00	NM
0:02:00	-		0.20	1.90	18.80	0.00	1.00	NM
0:03:00	-		0.20	1.90	18.80	0.00	1.00	NM
0:04:00	-		0.20	1.90	18.80	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

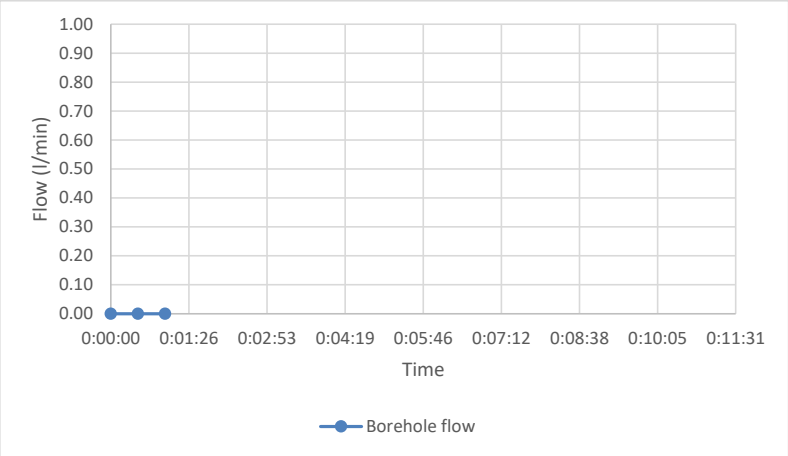
QA/QC Samples

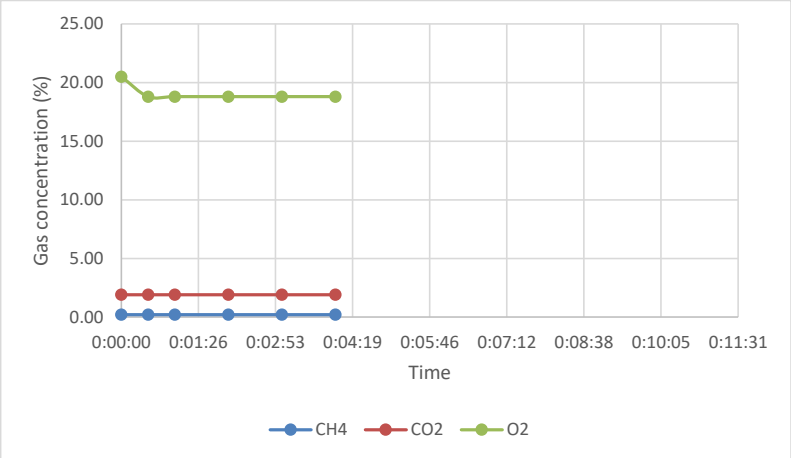
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

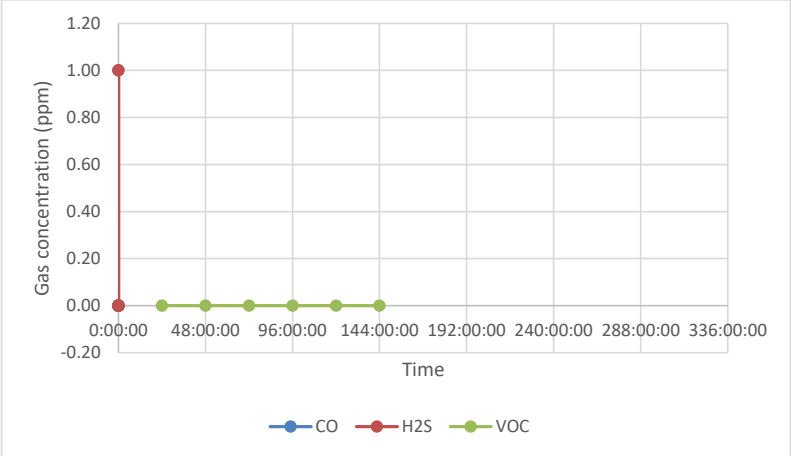
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.70
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.12
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
-0.20
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS113	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	3.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	3.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	0.02	0.00	0.20	0.60	20.90	0.00	0.00	NM
0:00:30	-	0.00	0.20	0.60	20.80	0.00	1.00	NM
0:01:00	-	0.00	0.20	0.60	20.80	0.00	1.00	NM
0:02:00	-		0.20	0.60	20.80	0.00	1.00	NM
0:03:00	-		0.20	0.60	20.80	0.00	1.00	NM
0:04:00	-		0.20	0.60	20.80	0.00	1.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

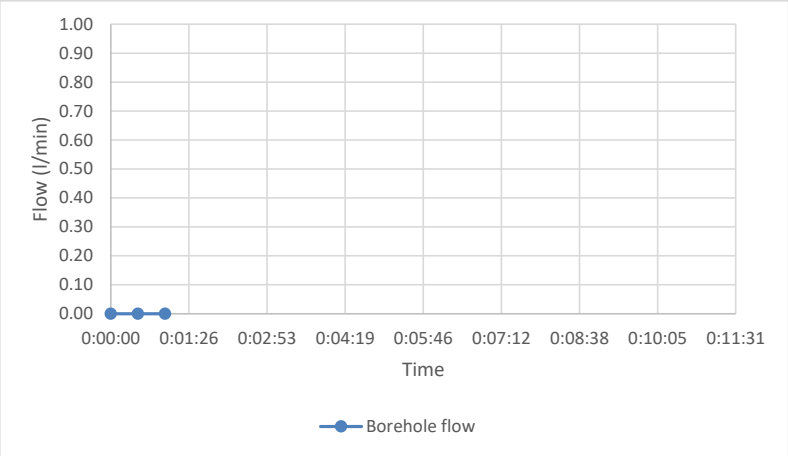
QA/QC Samples

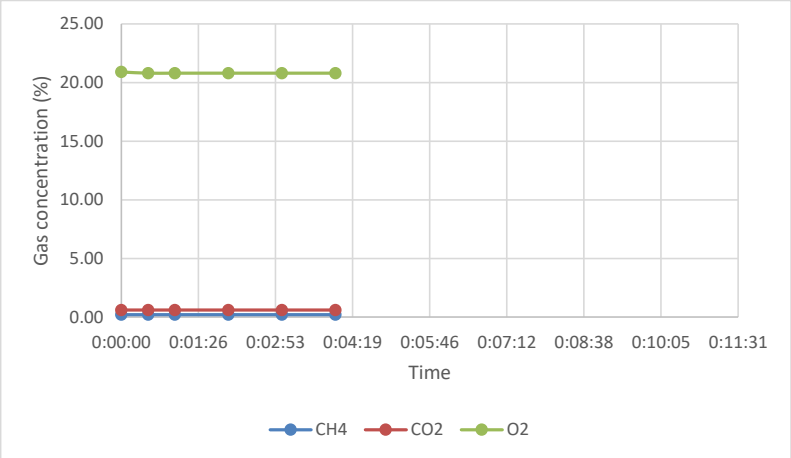
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

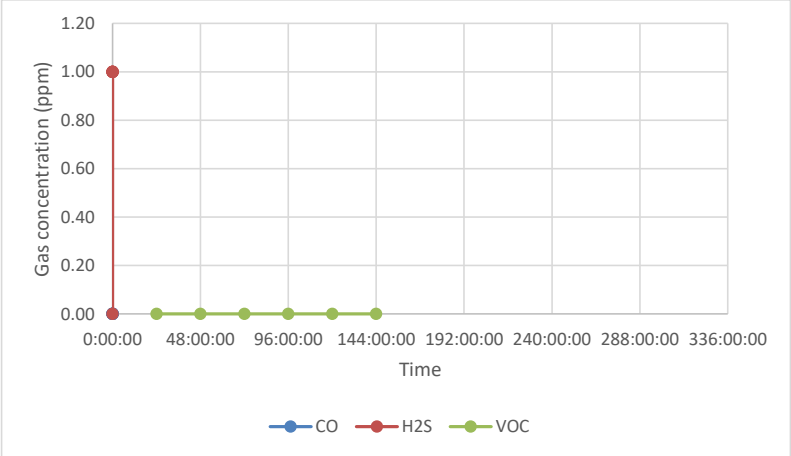
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.56
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	3.12
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS114	**Casing Level above GL (m):**	0
Single or dual gas tap:	S	**Top of Screen (m bgl):**	1.00
Well Material:	HDPE	**Base of Screen (m bgl):**	2.00
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	1.00
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.00
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.05	0.00	0.20	1.70	19.80	0.00	0.00	NM
0:00:30	-	0.00	0.20	1.70	19.70	0.00	0.00	NM
0:01:00	-	0.00	0.20	1.70	19.60	0.00	0.00	NM
0:02:00	-		0.20	1.70	19.70	0.00	0.00	NM
0:03:00	-		0.20	1.70	19.70	0.00	0.00	NM
0:04:00	-		0.20	1.70	19.70	0.00	0.00	NM
0:05:00	-							
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		CH4	CO2	O2	CO	H2S	VOC
		0.20	0.10	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		Containers:	

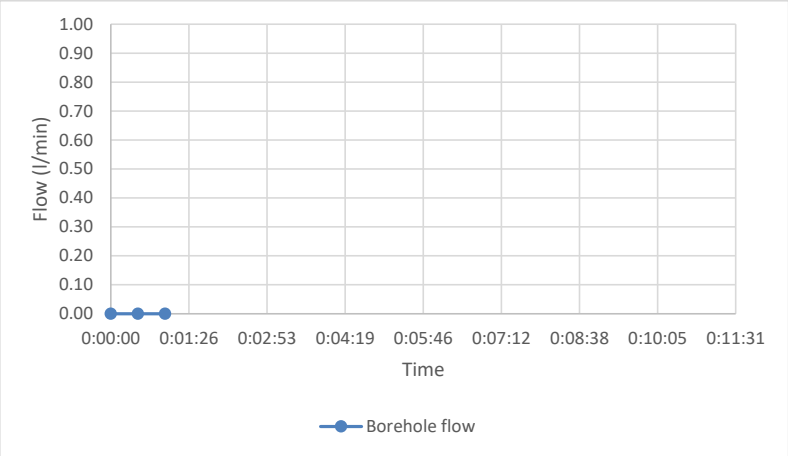
QA/QC Samples

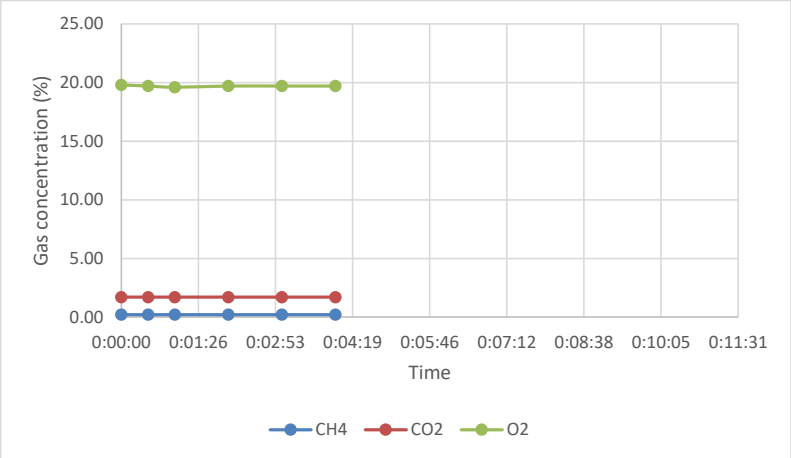
☐ Duplicate	Sample ID:		Laboratory:	
☐ Triplicate	Sample ID:		Laboratory:	

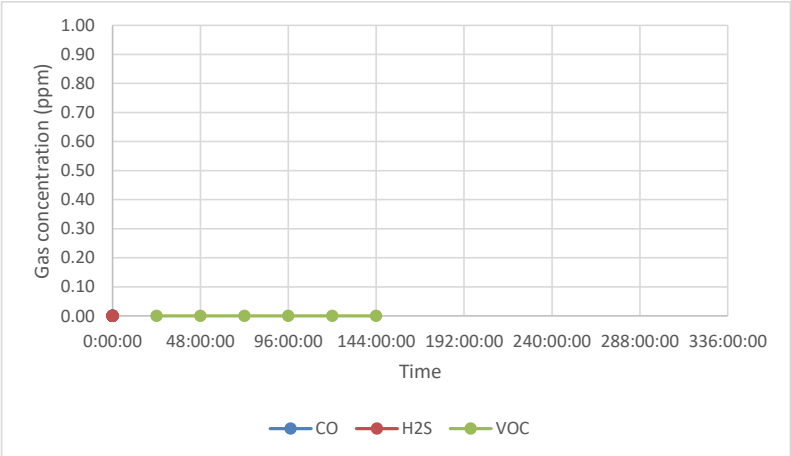
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	Water Level Depth (m bd):	-
Depth to NAPL (m bd):				Measured Well Depth (m bd):	2.21
NAPL Thickness (mm):				Correction for dip tape depth to base (mm):	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground Gas Monitoring Form

Hydrock

Project Details			
Project Name:	Sharston Road, Sharston Industrial Estate	**Project Number:**	35838
Visit Details			
Date:	**29/01/2025**	**Weather:**	Cold and clear
Comments:		**Recorded by:**	AE
Well Details			
Well ID:	WS115	**Casing Level above GL (m):**	0.00
Single or dual gas tap:	S	**Top of Screen (m bgl):**	0.70
Well Material:	HDPE	**Base of Screen (m bgl):**	2.70
Well Diameter D (mm):	50	**Top of Screen (m b.casing):**	0.70
Hole Diameter R (mm):	110	**Base of Screen (m b.casing):**	2.70
Expected headspace air volume:			
Equipment Details			
Gas Analyser Type:	GA5000	**Instrument Serial Number:**	G502329
Calibration Date:	08/07/2024	**Span gas check ok:**	Y
PID instrument:	N/A	**Instrument Serial Number:**	N/A
Calibration Date:	N/A	**Calibration check ok:**	N/A
Well conditons:			

Well measurement readings

Parameter Details

Time (hh:mm:ss)	Relative BH pressure (hPA/mb)	Borehole flow (litres/hour)	CH4 (%)	CO2 (%)	O2 (%)	CO (ppm)	H2S (ppm)	VOC (ppm)
0:00:00	-0.02	0.00	0.20	0.70	20.30	1.00	0.00	NM
0:00:30	-	0.00	0.20	0.70	20.30	0.00	0.00	NM
0:01:00	-	0.00	0.20	0.70	20.30	0.00	0.00	NM
0:02:00	-	0.00	0.20	0.70	20.30	0.00	0.00	NM
0:03:00	-		0.20	0.80	20.30	0.00	0.00	NM
0:04:00	-		0.20	0.80	20.30	0.00	0.00	NM
0:05:00	-		0.20	0.80	20.30	0.00	0.00	NM
0:06:00	-							
0:07:00	-							
0:08:00	-							
0:09:00	-							
0:10:00	-							

Ambient readings

Atmospheric pressure (mb):	996.00						
Ambient concentrations:		**CH4**	**CO2**	**O2**	**CO**	**H2S**	**VOC**
		0.20	0.10	21.20	0.00	0.00	NM

Observations during monitoring

Samples

Sample ID:		**Containers:**	

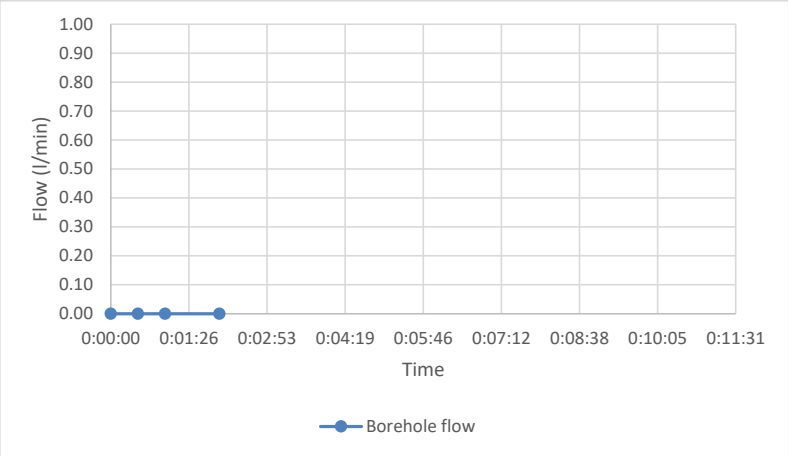
QA/QC Samples

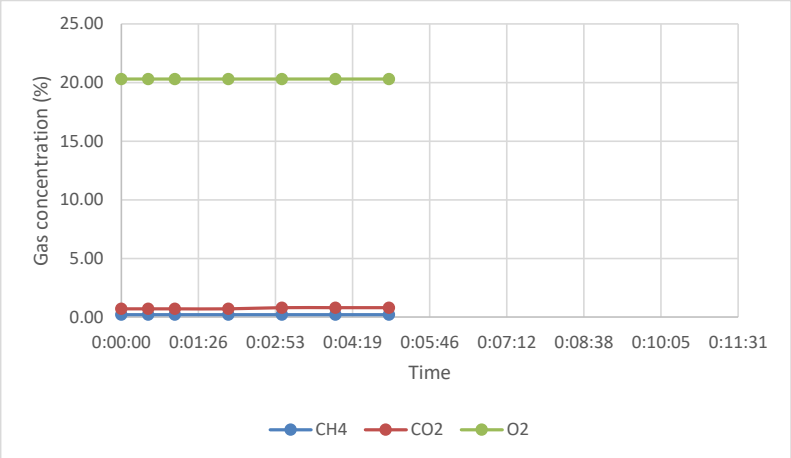
☐ Duplicate	**Sample ID:**		**Laboratory:**	
☐ Triplicate	**Sample ID:**		**Laboratory:**	

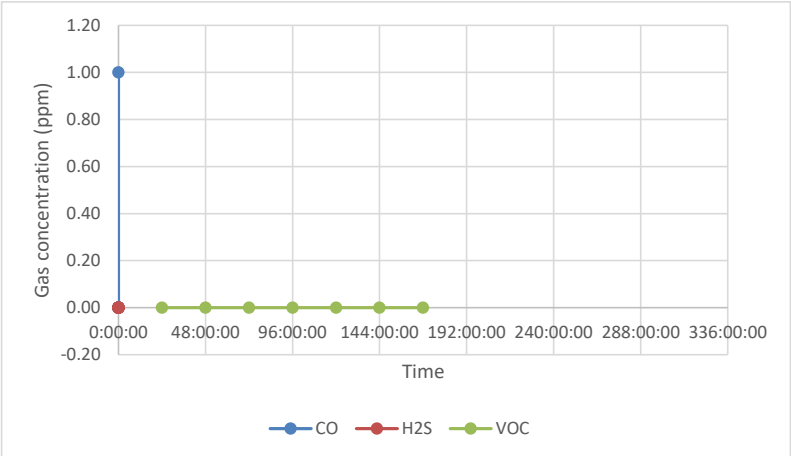
Groundwater Gauging:

Monitoring Data

Monitoring Datum	x	Casing	Ground Level	**Water Level Depth (m bd):**	2.72
Depth to NAPL (m bd):				**Measured Well Depth (m bd):**	2.76
NAPL Thickness (mm):				**Correction for dip tape depth to base (mm):**	


1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Flow (l/min)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
Borehole flow


25.00
20.00
15.00
10.00
5.00
0.00
Gas concentration (%)
0:00:00
0:01:26
0:02:53
0:04:19
0:05:46
0:07:12
0:08:38
0:10:05
0:11:31
Time
CH4
CO2
O2


1.20
1.00
0.80
0.60
0.40
0.20
0.00
-0.20
Gas concentration (ppm)
0:00:00
48:00:00
96:00:00
144:00:00
192:00:00
240:00:00
288:00:00
336:00:00
Time
CO
H2S
VOC

Ground gas risk assessment

Hydrock

Monitoring round		Borehole details					Pressure and flow					Gas concentrations											GSV		Local conditions
Date	Time	Borehole	Single or dual gas tap	Response zone depth (m)	Depth to water or depth of hole if dry (m)	D denotes dry hole	Atmospheric pressure (hPa)	Atm pressure falling / rising / steady	Relative BH pressure (hPa)	Gas flow* (l/hr)	Gas flow* (absolute value) (l/hr)	VOC (as ppm using PID)	CH_4 (%v/v)		CH_4 (%LEL)		CO_2 (%v/v)		O_2 (%v/v)		Other Gases		Gas Screening Value (CH_4) (l/hr)	Gas Screening Value (CO_2) (l/hr)	Notes on condition of borehole and surrounding ground
													Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	CO (PPM)	H_2S (PPM)			
							Max. individual values:				**0.7**			**0.2**		**2.0**		**4.5**		**21.0**				**0.001**	**0.013**	**Summary statistics for this monitoring period.**
							Min. individual values:				0.1			0.2		2.0		0.3		16.2				0.000	0.000	
							Worst-case GSVs based on max. individual flow and max. individual conc. over the duration of this table:																**0.0014**	**0.0315**	
08/01/25	AM	WS101	S	1.00 - 2.00	1.99	D	997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	3.7	3.6	18.1	18.2	<1	<1	0.000	0.004	
08/01/25	AM	WS102	S	1.00 - 3.00	2.93	D	997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	4.6	4.5	16.0	16.2	<1	<1	0.000	0.005	
08/01/25	AM	WS103	S	1.00 - 3.00	2.19		997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.0	1.0	20.0	20.0	<1	1	0.000	0.001	
08/01/25	AM	WS104	S	1.00 - 3.00	2.43		997	R	-0.2	0.1	0.1	NM	0.1	0.1	2	2	2.2	2.2	19.7	19.0	<1	<1	0.000	0.002	
08/01/25	AM	WS105	S	1.00 - 3.00	2.20		997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	0.5	0.5	20.4	20.4	<1	1	0.000	0.001	
08/01/25	AM	WS106	S	1.00 - 2.00	2.10	D	997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	2.9	2.9	17.6	17.6	<1	1	0.000	0.003	
08/01/25	AM	WS107	S	1.00 - 3.00	2.33		997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.2	1.2	19.4	19.4	<1	1	0.000	0.001	
08/01/25	AM	WS108	S	1.00 - 3.00	2.20		997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.3	1.3	19.3	19.3	<1	1	0.000	0.001	
08/01/25	AM	WS109	S	0.90 - 1.90	1.66	D	997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.3	1.3	20.1	20.1	<1	<1	0.000	0.001	
08/01/25	AM	WS112	S	1.00 - 3.00	2.63		997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	2.8	2.8	17.0	17.0	<1	1	0.000	0.003	
08/01/25	AM	WS113	S	1.00 - 3.00	2.47		997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.0	1.0	19.7	19.7	<1	1	0.000	0.001	
08/01/25	AM	WS114	S	1.00 - 2.00	2.15	D	997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	2.2	2.2	19.1	19.1	<1	<1	0.000	0.002	
08/01/25	AM	WS115	S	0.70 - 2.70	2.75	D	997	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.1	1.1	19.2	19.2	<1	1	0.000	0.001	
13/01/25	AM	WS101	S	1.00 - 2.00	1.99	D	1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	3.3	3.2	18.2	18.4	<1	<1	0.000	0.003	
13/01/25	AM	WS102	S	1.00 - 3.00	2.93	D	1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	4.2	4.1	16.7	16.8	<1	<1	0.000	0.004	
13/01/25	AM	WS103	S	1.00 - 3.00	2.21		1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	0.7	0.7	20.9	20.9	<1	<1	0.000	0.001	
13/01/25	AM	WS104	S	1.00 - 3.00	2.51		1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	2.0	2.0	19.6	19.6	<1	<1	0.000	0.002	
13/01/25	AM	WS105	S	1.00 - 3.00	2.24		1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	0.4	0.4	20.9	20.9	<1	1	0.000	0.000	
13/01/25	AM	WS106	S	1.00 - 2.00	2.04	D	1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	2.4	2.4	18.7	18.7	<1	<1	0.000	0.002	
13/01/25	AM	WS107	S	1.00 - 3.00	2.36		1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.0	1.0	20.4	20.4	<1	1	0.000	0.001	
13/01/25	AM	WS108	S	1.00 - 3.00	2.26		1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.1	1.1	20.4	20.4	<1	1	0.000	0.001	
13/01/25	AM	WS109	S	0.90 - 1.90	1.66	D	1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.1	1.1	20.3	20.3	<1	<1	0.000	0.001	
13/01/25	AM	WS112	S	1.00 - 3.00	2.64		1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	2.5	2.5	17.9	17.9	<1	<1	0.000	0.003	
13/01/25	AM	WS113	S	1.00 - 3.00	2.50		1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	0.8	0.8	20.7	20.7	<1	<1	0.000	0.001	
13/01/25	AM	WS114	S	1.00 - 2.00	2.15	D	1031	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	2.0	2.0	19.4	19.4	<1	<1	0.000	0.002	
13/01/25	AM	WS115	S	0.70 - 2.70	2.71		1031	F	-1.4	0.1	0.1	NM	0.1	0.1	2	2	1.0	1.0	19.8	19.8	<1	<1	0.000	0.001	

Hydrock

Monitoring round		Borehole details					Pressure and flow					Gas concentrations											GSV		Local conditions
Date	Time	Borehole	Single or dual gas tap	Response zone depth (m)	Depth to water or depth of hole if dry (m)	D denotes dry hole	Atmospheric pressure (hPa)	Atm pressure falling / rising / steady	Relative BH pressure (hPa)	Gas flow* (l/hr)	Gas flow* (absolute value) (l/hr)	VOC (as ppm using PID)	CH_4 (%v/v)		CH_4 (%LEL)		CO_2 (%v/v)		O_2 (%v/v)		Other Gases		Gas Screening Value (CH_4) (l/hr)	Gas Screening Value (CO_2) (l/hr)	Notes on condition of borehole and surrounding ground
													Peak	Steady	Peak	Steady	Peak	Steady	Peak	Steady	CO (PPM)	H_2S (PPM)			
22/01/25	AM	WS101	S	1.00 - 2.00		D	1002	F	0.0	0.5	0.5	NM	0.1	0.1	2	2	2.5	2.5	18.8	18.8	<1	<1	0.001	0.013	
22/01/25	AM	WS102	S	1.00 - 3.00		D	1002	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	3.1	3.0	17.4	17.4	<1	<1	0.000	0.003	
22/01/25	AM	WS103	S	1.00 - 3.00	2.23		1002	F	0.0	0.5	0.5	NM	0.1	0.1	2	2	0.6	0.6	20.7	20.7	<1	<1	0.001	0.003	
22/01/25	AM	WS104	S	1.00 - 3.00	2.40		1003	F	0.0	0.5	0.5	NM	0.1	0.1	2	2	1.6	1.6	19.7	19.7	<1	<1	0.001	0.008	
22/01/25	AM	WS105	S	1.00 - 3.00	2.25		1003	F	0.1	0.2	0.2	NM	0.1	0.1	2	2	0.3	0.3	21.0	21.0	<1	1	0.000	0.001	
22/01/25	AM	WS106	S	1.00 - 2.00		D	1002	F	0.0	0.7	0.7	NM	0.1	0.1	2	2	1.7	1.7	19.5	19.5	<1	<1	0.001	0.012	
22/01/25	AM	WS107	S	1.00 - 3.00	2.39		1002	F	-0.1	0.2	0.2	NM	0.1	0.1	2	2	0.7	0.7	20.7	20.7	<1	1	0.000	0.001	
22/01/25	AM	WS108	S	1.00 - 3.00	2.30		1002	F	0.1	0.3	0.3	NM	0.1	0.1	2	2	0.8	0.8	20.7	20.7	<1	1	0.000	0.002	
22/01/25	AM	WS109	S	0.90 - 1.90		D	1002	F	0.1	0.6	0.6	NM	0.1	0.1	2	2	1.5	0.9	20.6	20.6	<1	<1	0.001	0.005	
22/01/25	AM	WS112	S	1.00 - 3.00	2.69		1002	F	0.0	0.1	0.1	NM	0.1	0.1	2	2	2.5	2.4	17.5	17.5	<1	<1	0.000	0.002	
22/01/25	AM	WS113	S	1.00 - 3.00	2.55		1002	F	-0.1	0.5	0.5	NM	0.1	0.1	2	2	0.6	0.6	20.9	20.9	<1	<1	0.001	0.003	
22/01/25	AM	WS114	S	1.00 - 2.00		D	1003	F	0.0	0.5	0.5	NM	0.1	0.1	2	2	1.5	1.5	19.4	19.4	<1	<1	0.001	0.008	
22/01/25	AM	WS115	S	0.70 - 2.70	2.71		1002	F	-0.1	0.3	0.3	NM	0.1	0.1	2	2	0.7	0.7	19.9	19.9	<1	<1	0.000	0.002	
29/01/25	AM	WS101	S	1.00 - 2.00		D	996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	2.8	2.8	18.7	18.7	<1	<1	0.000	0.003	
29/01/25	AM	WS102	S	1.00 - 3.00		D	996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	3.0	3.0	16.6	16.6	<1	1	0.000	0.003	
29/01/25	AM	WS103	S	1.00 - 3.00	2.27		996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	0.6	0.6	20.2	20.2	<1	1	0.000	0.001	
29/01/25	AM	WS104	S	1.00 - 3.00	2.54		996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.7	1.7	20.2	20.2	<1	<1	0.000	0.002	
29/01/25	AM	WS105	S	1.00 - 3.00	2.28		996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	0.3	0.3	20.7	20.7	<1	1	0.000	0.000	
29/01/25	AM	WS106	S	1.00 - 2.00		D	996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.5	1.5	19.8	19.8	<1	1	0.000	0.002	
29/01/25	AM	WS107	S	1.00 - 3.00	2.40		996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	0.7	0.7	20.7	20.7	<1	1	0.000	0.001	
29/01/25	AM	WS108	S	1.00 - 3.00	2.31		996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	0.8	0.8	20.6	20.6	<1	1	0.000	0.001	
29/01/25	AM	WS109	S	0.90 - 1.90		D	996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.0	1.0	20.7	20.7	<1	<1	0.000	0.001	
29/01/25	AM	WS112	S	1.00 - 3.00	2.70		996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	1.9	1.9	18.8	18.8	<1	<1	0.000	0.002	
29/01/25	AM	WS113	S	1.00 - 3.00	2.56		996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	0.6	0.6	20.8	20.8	<1	1	0.000	0.001	
29/01/25	AM	WS114	S	1.00 - 2.00		D	996	R	-0.1	0.1	0.1	NM	0.1	0.1	2	2	1.7	1.7	19.6	19.7	<1	<1	0.000	0.002	
29/01/25	AM	WS115	S	0.70 - 2.70	2.72		996	R	0.0	0.1	0.1	NM	0.1	0.1	2	2	0.8	0.8	20.3	20.3	<1	<1	0.000	0.001	

Appendix F Contamination test results and GQRA

GAC derivation

Background

Initially, the Hydrock GAC were derived following the publishing of soil guideline values (SGV), toxicological (TOX) reports and associated publications by the Environment Agency (EA) in 2009 referenced under Science Report SC050021 (EA, 2009a, b, c, d). The Hydrock GAC have then been periodically updated following publication of new information on toxicological, physico-chemical, land use or receptor parameters, namely:

- LQM/CIEH, 2009. LQM/CIEH Generic Assessment Criteria for Human Health Risk Assessment, second edition. Nathanial, C. P., McCaffrey, C., Ashmore, M., Cheng, Y., Gillet, A. G., Ogden, R. C. and Scott, D.
- CL:AIRE, 2010. 'The EIC/AGS/CL:AIRE Soil Generic Assessment Criteria for Human Health Risk Assessment'. Environmental Industries Commission, The Association of Geotechnical and Geoenvironmental Specialists and Contaminated Land: Applications in Real Environment.
- CL:AIRE, 2014. 'Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination', Revision 2, DEFRA research project SP1010. Contaminated Land: Applications in Real Environment.
- LQM/CIEH, 2015. 'The LQM/CIEH S4ULs for Human Health Risk Assessment'. Nathanial, C. P., McCaffrey, C., Gillet, A. G., Ogden, R. C. and Nathanial, J. F.
- CL:AIRE, 2021-2024. 'C4SL Phase 2 Technical Reports'. Contaminated Land: Applications in Real Environment.
- CL:AIRE, 2022. C4SL Phase 2 Technical Report for 1,2-dichloroethane. Contaminated Land: Applications in Real Environment.
- CL:AIRE, 2024. C4SL Phase 2 Technical Reports for cis-1,2-dichloroethene, trans-1,2-dichloroethene and naphthalene. Contaminated Land: Applications in Real Environment.

Land use scenarios

Hydrock has derived generic assessment criteria (GAC) for human health based on the six exposure scenarios defined in CL:AIRE (2014) using generic default assumptions from published guidance. GAC for each exposure scenario have been derived for three soil organic matter (SOM) contents, 1%, 2.5% and 6%.

All GAC have been rounded to two significant figures.

Exposure parameters

The exposure parameters used for the Hydrock GAC are the default parameters stated in SR3, unless updated in CL:AIRE (2014) where the CL:AIRE (2014) values have been adopted.

Approach to consumption rates

Hydrock have adopted the 90th percentile consumption rates from Table 3.4 of CL:AIRE (2014) for all produce types. This is noted to be more conservative than the "top two" approach taken in the derivation of C4SLs.

Approach to plant uptake for GAC omitted in CL:AIRE (2010)

Plant uptake factors were not identified in CL:AIRE (2010) for antimony, barium and molybdenum. Hydrock has sourced the required parameter values from ORNL (1984) in order to derive GAC that are inclusive of the homegrown produce exposure pathway.

Chemical and toxicity parameters

The chemical and toxicity parameters have been adopted based on the following documents:

- IRIS, 2016. 'Toxicological Review of Trimethylbenzenes'. Integrated Risk Information System, National Centre for Environmental Assessment, office of Research and Development, U.S. Environmental Protection Agency.
- LQM/CIEH, 2015.
- ORNL, 1984. 'ORNL-5786. A Review and Analysis of Parameters for Assessing Transport of Environmentally released Radionuclides through Agriculture'. Oak Ridge National Laboratory.
- CL:AIRE, 2010.
- RIVM, 2001. RIVM Report 711701 025 'HCV Re-evaluation of human-toxicological maximum-permissible risk levels'. National Institute of Public Health and the Environment.
- LQM/CIEH, 2009.
- EA, 2009a.

Approach to Cyanide GAC

The Hydrock GAC for free cyanide have been derived based on ingestion of a bolus of contaminated soil. The GAC are derived for acute exposure of a child (0-6 years old) for all land uses except commercial, where the GAC are derived for acute exposure of an adult (16-65 years old). For the purpose of GQRA, the child value may be adopted for all land use scenarios.

For complex cyanide, the GAC have been derived based on chronic exposure, using the default exposure scenarios but excluding the consumption of homegrown produce, soil attached to homegrown produce, indoor vapour and outdoor vapour pathways. The chronic health criteria value (HCV) for complex cyanide is based on the EA (2009a) HCV for free cyanide and the ratio of toxicity between free and complex cyanide proposed by RIVM (2001).

Approach to Phenol GAC

In accordance with the EA Science Report SC050021 / Phenol SGV, a $GAC_{ing/inh}$ has been derived for ingested and inhaled phenol using the CLEA model, with a GAC_{derm} derived for dermal contact using Equation 5.7 within SR3. The lower of the $GAC_{ing/inh}$ and GAC_{derm} has been adopted as the final GAC.

Approach to PCB GAC

GAC for assessing the non-dioxin-like risk from PCBs have been based on the "Dutch 7". As the TDI used by the authors of the Dutch guidance is for the sum of the 7 individual congeners, the TDI has been divided by 7 to create a TDI for each congener. The non-dioxin-like risk from PCBs is therefore assessed using a Hazard Index approach as for total petroleum hydrocarbons (TPH).

Sub-surface soil to indoor air correction factors

Reflecting the approach taken by the Environment Agency in the development of revised SGV in 2009 for BTEX, a sub-surface soil to indoor air correction factor of 10 has been applied for petroleum hydrocarbons in order to account for over-prediction of vapour intrusion into building using the Johnson and Ettinger approach.

The correction factor of 10 has been applied to the following petroleum hydrocarbons (it makes negligible difference to less volatile TPH and PAH compounds):

- TPHCWG fractions, namely aliphatic EC>5-44 and aromatic EC>6-44;
- PAHs (acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene), benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h,)anthracene, fluoranthene, fluorene, indeno(1,2,3-c,d)pyrene, naphthalene, phenanthrene, pyrene);
- BTEX;
- Isopropylbenzene;

- Propylbenzene;
- 1,2,4- and 1,3,5-trimethylbenzene; and
- Styrene.

Approach to saturation limits

The CLEA model includes a traffic light colour system to highlight when saturated soil conditions have potentially been exceeded for the vapour pathways during calculation of assessment criteria. The colours represent:

- Green: the assessment criteria do not exceed the saturated soil concentration.
- Amber: the assessment criteria exceed the saturated soil concentration but the contribution of the indoor and outdoor vapour pathway to total exposure is less than 10% and will not significantly affect the assessment criteria.
- Red: the assessment criteria exceed the saturated soil concentration and the contribution of the indoor and outdoor vapour pathway to total exposure is greater than 10% and will significantly affect the assessment criteria.

Hydrock have not applied any further calculations or assessment in relation to saturation limits during GAC derivation, with the CLEA-modelled GAC being presented as the GAC. Consideration of saturation limits is undertaken during the data assessment stage.

References

CL:AIRE, 2010. 'The EIC/AGS/CL:AIRE Soil Generic Assessment Criteria for Human Health Risk Assessment'. Environmental Industries Commission, The Association of Geotechnical and Geoenvironmental Specialists and Contaminated Land: Applications in Real Environment.

CL:AIRE, 2014. 'Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination', Revision 2, DEFRA research project SP1010. Contaminated Land: Applications in Real Environment

CL:AIRE, 2021-2024. C4SL Phase 2 Technical Reports for tetrachloroethene, trichloroethene and vinyl chloride. Contaminated Land: Applications in Real Environment.

CL:AIRE, 2022. C4SL Phase 2 Technical Report for 1,2-dichloroethane. Contaminated Land: Applications in Real Environment.

CL:AIRE, 2024. C4SL Phase 2 Technical Reports for cis-1,2-dichloroethene, trans-1,2-dichloroethene and naphthalene. Contaminated Land: Applications in Real Environment.

EA, 2009a. 'Science Reports SC050021 – SGV and TOX reports for: benzene, toluene, ethylbenzene, xylene, arsenic, nickel, mercury, selenium, cadmium, inorganic cyanide, phenol, dioxins, furans and dioxin-like PCBs'; 'Supplementary information for the derivation of SGV for: benzene, toluene, ethylbenzene, xylene, arsenic, nickel, mercury, selenium, cadmium, inorganic cyanide, phenol, dioxins, furans and dioxin-like PCBs', and 'Contaminants in soil: updated collation of toxicological data and intake values for humans: benzene, toluene, ethylbenzene, xylene, arsenic, nickel, mercury, selenium, cadmium, inorganic cyanide, phenol, dioxins, furans and dioxin-like PCBs'. Environment Agency.

EA, 2009b. 'Science Report – SC050021/SR2. Human health toxicological assessment of contaminants in soil'. Environment Agency.

EA, 2009c. 'Science Report – SC050021/SR3. Updated technical background to the CLEA model'. Environment Agency.

EA, 2009d. 'Science Report – SC050021/SR4. CLEA Software (version 1.05) Handbook'. Environment Agency.

IRIS, 2016. 'Toxicological Review of Trimethylbenzenes'. Integrated Risk Information System, National Centre for Environmental Assessment, office of Research and Development, U.S. Environmental Protection Agency.

LQM/CIEH, 2009. LQM/CIEH Generic Assessment Criteria for Human Health Risk Assessment, second edition. Nathanial, C. P., McCaffrey, C., Ashmore, M., Cheng, Y., Gillet, A. G., Ogden, R. C. and Scott, D.

LQM/CIEH, 2015. 'The LQM/CIEH S4ULs for Human Health Risk Assessment'. Nathanial, C. P., McCaffrey, C., Gillet, A. G., Ogden, R. C. and Nathanial, J. F.

ORNL, 1984. 'ORNL-5786. A Review and Analysis of Parameters for Assessing Transport of Environmentally released Radionuclides through Agriculture'. Oak Ridge National Laboratory.

RIVM, 2001. RIVM Report 711701 025 'HCV Re-evaluation of human-toxicological maximum-permissible risk levels'. National Institute of Public Health and the Environment.

Human health GQRA

Assessment of Chemicals of Potential Concern to Human Health

Risk parameter: Default - Human Health - commercial (6%SOM)
Client: Kier Property Limited
Site: Sharston Industrial Estate
Job no.: 35838
Lab. report no(s).: N/A

Data Filters
Zone: All
Strata: MG
Depth Min (m bgl): 0.05
Depth Max (m bgl): 2.8

Dataset mean SOM%: 4.31
Scenario SOM%: 2.5

Hydrock now Stantec

All values in mg/kg unless otherwise stated

														Date	17/12/2024	17/12/2024	17/12/2024	17/12/2024	17/12/2024	17/12/2024	17/12/2024	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	11/12/24	11/12/24	11/12/24	11/12/24	11/12/24	11/12/24	11/12/24	11/12/24
														Zone																															
														Location	WS114	WS114	WS104	WS104	WS101	WS101	WS101	WS107	WS107	WS115	WS115	WS110A	WS111	WS111	WS103	WS103	WS103	CP105	CP105	WS109	WS109	WS102	WS102	WS108	WS108	WS105	WS105	WS106	WS106	CP102	CP102
														Depth (m bgl)	0.3	0.5	0.4	1	0.1	0.3	0.5	0.2	0.5	0.15	0.2	0.4	0.4	0.8	0.4	1.4	2.8	0.3	0.5	0.2	0.5	0.3	0.5	0.3	0.7	0.3	0.5	0.2	0.6	0.05	1
CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @6% SOM	GAC	GAC Source	Strata	MG	MG	MG	GFG	MG	MG	GFG	MG	GFG	MG	MG	MG	MG	GFG	MG	GFG	GFG	MG	MG	MG	GFG	MG	GFG	MG	GFG	MG	GFG	MG	GFG	MG	GFG
-	**Asbestos**																																												
P1020	Asbestos Identified	text	Y/N	22	-	-	-	-	No. of detects:	4	-	-	-		N	-	N	+	N	N	+	N	+	Y	-	Y	N	+	N	+	+	N	-	N	+	N	+	Y							
12172-73-5	Amosite detected	text	Y/N	2	-	-	-	-	-		-	-	-											Y		Y																			
12001-29-5	Chrysotile detected	text	Y/N	2	-	-	-	-	-		-	-	-											Y																					
12001-28-4	Crocidolite detected	text	Y/N	1	-	-	-	-	-		-	-	-																																
P1935	Asbestos Quant. Total	%	0.001	2	0.001	0.001	0.001	0.001	No. > LOD:	2	-	-	-											0.001		0.001																			
0	**Hydrock Default Suite - FOC / SOM / pH**										-																																		
P1085	FOC (dimensionless)	[]	0.001	24	0.001	0.085	0.025	0.015	0.02		-	-	-		0.03	0.0048	0.0182	+	0.0851	0.027	+	0.0006	+	0.01258	0.024		0.0045	+	0.0078	+	+	0.0131	0.0041	0.0111	+	0.0169	+	0.0647	+	0.0423	+	0.0026	+	0.0736	+
-	SOM (calculated)	%	0.1724	23	0.10	14.67	4.31	2.26	4.37		-	-	-			0.82752	3.13768	+	14.67124	4.6548	+	0.10344	+	2.168792	4.1376		0.7758	+	1.34472	+	+	2.25844	0.70684	1.91364	+	2.91356	+	11.15428	+	7.29252	+	0.44824	+	12.68864	+
P1334	pH (su)	pH Units	<0.01	24	7.05	11.09	8.64	8.53	0.99		-	-	-		8.77	8.6	8.77	+	8.09	7.05	+	11.09	+	8.46	8.81		8.67	+	8.06	+	+	7.99	7.79	8.07	+	7.07	+	8.31	+	9.71	+	10.65	+	8.63	+
0	**Hydrock Default Suite - Metals & PAH**																																												
7440-38-2	Arsenic	mg/kg	<0.5	24	0.50	34.20	13.93	12.25	9.03	0	NR	640	C4SL - CL:AIRE 2014		22.4	34.2	14.1	+	21.4	19.6	+	0.5	+	16.2	8.1	NA	15.9	+	7.7	+	+	8.5	6.5	9	+	15.4	+	29.4	+	10.4	+	3	+	8.8	+
7440-41-7	Beryllium	mg/kg	<0.5	24	0.50	4.00	1.44	1.25	0.90	0	NR	12	Hydrock Derived		1.1	0.9	1.7	+	3.1	2.1	+	0.5	+	2.9	1.2	NA	1.3	+	1.2	+	+	1	0.9	0.9	+	1.5	+	4	+	1.3	+	0.5	+	1.3	+
7440-42-8	Boron	mg/kg	<0.1	23	0.10	2.60	0.64	0.50	0.55	0	NR	240000	Hydrock Derived		0.4	0.4	0.8	+	0.2	0.8	+		+	0.2	0.4	0.4	NA	+	0.2	+	+	0.2	0.5	0.2	+	0.6	+	2.6	+	1.2	+	0.5	+	0.1	+
7440-43-9	Cadmium	mg/kg	<0.1	24	0.10	3.00	0.36	0.10	0.60	0	NR	410	C4SL - CL:AIRE 2014		0.1	0.1	0.1	+	0.6	0.1	+	0.1	+	3	0.3	NA	0.1	+	0.1	+	+	0.4	0.1	0.6	+	0.1	+	0.1	+	0.3	+	0.5	+	0.6	+
16065-83-1	Chromium (III)	mg/kg	<0.5	24	12.50	67.20	43.69	46.40	15.48	0	NR	8400	Hydrock Derived		32.8	36	54.8	+	30.6	55.4	+	57.2	+	55.3	43.1	NA	47.9	+	50.3	+	+	44.9	40	30.6	+	59.4	+	40.9	+	12.5	+	20.7	+	19.6	+
7440-50-8	Copper	mg/kg	<1	24	5.00	959.00	83.08	33.00	194.03	0	NR	68000	Hydrock Derived		27	6	36	+	959	93	+	14	+	255	40	NA	6	+	22	+	+	33	5	25	+	37	+	133	+	34	+	12	+	55	+
7439-92-1	Lead	mg/kg	<5	24	5.00	151.00	44.71	33.50	37.06	0	NR	2300	C4SL - CL:AIRE 2014		27	10	53	+	94	92	+	<5	+	151	42	NA	10	+	25	+	+	47	13	37	+	61	+	46	+	16	+	18	+	30	+
7439-97-6	Mercury, inorganic	mg/kg	<0.1	24	0.10	4.00	0.33	0.10	0.80	0	NR	5100	Hydrock Derived		0.1	0.1	0.2	+	0.1	0.7	+	0.1	+	0.3	0.1	NA	0.1	+	0.1	+	+	<0.1	<0.1	<0.1	+	0.3	+	0.1	+	<0.1	+	<0.1	+	<0.1	+
7440-02-0	Nickel	mg/kg	<0.7	24	7.30	49.00	20.10	14.50	12.68	0	NR	980	Hydrock Derived		14.3	8.5	25.2	+	40.6	28.2	+	7.5	+	45.5	14.5	NA	12.4	+	14.5	+	+	14.2	7.4	13.2	+	20.3	+	49	+	14.5	+	8.5	+	18.7	+
7782-49-2	Selenium	mg/kg	<1	24	1.00	2.00	1.08	1.00	0.28	0	NR	12000	Hydrock Derived		<1	<1	<1	+	<1	<1	+	<1	+	1	<1	NA	<1	+	2	+	+	<1	1	1	+	<1	+	<1	+	<1	+	<1	+	1	+
7440-62-2	Vanadium	mg/kg	<1	24	7.00	68.00	32.00	26.50	17.75	0	NR	9000	Hydrock Derived		26	23	40	+	54	47	+	7	+	61	27	NA	28	+	25	+	+	24	20	18	+	37	+	68	+	18	+	11	+	38	+
7440-66-6	Zinc	mg/kg	<5	24	15.00	790.00	122.33	70.00	161.54	0	NR	730000	Hydrock Derived		145	32	112	+	790	188	+	15	+	390	70	NA	40	+	70	+	+	70	39	104	+	96	+	69	+	99	+	46	+	61	+
P1095	Cyanide (free)	mg/kg	<0.5	5	0.50	0.50	0.50	0.50	0.00	0	NR	24	Acute Risk - SoBRA 2020		<0.5	<0.5	<0.5	+	<0.5	<0.5	+																								
83-32-9	Acenaphthene	mg/kg	<0.05	24	0.05	15.75	0.73	0.05	3.20	0	336	110000	Hydrock Derived		<0.05	<0.05	0.55	+	15.75	0.12	+	<0.05	+	<0.05	<0.05	NA	<0.05	+	<0.05	+	+	<0.05	<0.05	<0.05	+	<0.05	+	<0.05	+	<0.05	+	<0.05	+	0.08	+
208-96-8	Acenaphthylene	mg/kg	<0.03	24	0.03	2.43	0.20	0.03	0.54	0	506	110000	Hydrock Derived		<0.03	<0.03	1.18	+	2.43	0.07	+	<0.03	+	<0.03	<0.03	NA	<0.03	+	<0.03	+	+	<0.03	<0.03	<0.03	+	<0.03	+	<0.03	+	<0.03	+	<0.03	+	0.47	+
120-12-7	Anthracene	mg/kg	<0.04	24	0.04	67.06	2.97	0.04	13.66	0	6.96	540000	Hydrock Derived		<0.04	<0.04	2.26	+	67.06	0.34	+	<0.04	+	<0.04	<0.04	NA	<0.04	+	<0.04	+	+	0.05	<0.04	0.09	+	0.09	+	<0.04	+	<0.04	+	<0.04	+	0.34	+
56-55-3	Benz(a)anthracene	mg/kg	<0.06	24	0.06	164.19	7.36	0.09	33.43	0	10.27	180	Hydrock Derived		0.09	<0.06	6.5	+	164.19	1.09	+	<0.06	+	0.19	0.1	NA	<0.06	+	0.09	+	+	0.21	<0.06	0.37	+	0.38	+	0.1	+	<0.06	+	<0.06	+	0.67	+
50-32-8	Benzo(a)pyrene	mg/kg	<0.04	24	0.04	**156.92**	7.10	0.06	31.95	**1**	5.46	77	C4SL - CL:AIRE 2014		0.08	<0.04	6.74	+	156.92	1.16	+	<0.04	+	0.14	<0.04	NA	<0.04	+	0.04	+	+	0.16	<0.04	0.28	+	0.34	+	0.08	+	<0.04	+	<0.04	+	1.1	+
205-99-2	Benzo(b)fluoranthene	mg/kg	<0.05	24	0.05	**181.14**	8.21	0.08	36.87	**1**	7.29	45	Hydrock Derived		0.1	<0.05	8.24	+	181.14	1.35	+	<0.05	+	0.22	0.06	NA	<0.05	+	0.07	+	+	0.21	<0.05	0.41	+	0.42	+	0.11	+	<0.05	+	<0.05	+	1.22	+
191-24-2	Benzo(ghi)perylene	mg/kg	<0.04	24	0.04	94.21	4.26	0.04	19.18	0	0.09	4000	Hydrock Derived		0.06	<0.04	3.74	+	94.21	0.69	+	<0.04	+	0.12	<0.04	NA	<0.04	+	<0.04	+	+	0.11	<0.04	0.19	+	0.2	+	0.06	+	<0.04	+	<0.04	+	0.96	+
207-08-9	Benzo(k)fluoranthene	mg/kg	<0.02	24	0.02	70.44	3.19	0.03	14.34	0	4.12	1200	Hydrock Derived		0.04	<0.02	3.21	+	70.44	0.52	+	<0.02	+	0.08	0.02	NA	<0.02	+	0.03	+	+	0.08	<0.02	0.16	+	0.16	+	0.04	+	<0.02	+	<0.02	+	0.47	+
218-01-9	Chrysene	mg/kg	<0.02	24	0.02	161.08	7.24	0.08	32.80	0	2.64	360	Hydrock Derived		0.08	0.03	6.45	+	161.08	1.26	+	<0.02	+	0.18	0.07	NA	<0.02	+	0.08	+	+	0.23	<0.02	0.36	+	0.47	+	0.1	+	<0.02	+	<0.02	+	0.76	+
53-70-3	Dibenz(ah)anthracene	mg/kg	<0.04	24	0.04	**18.17**	0.84	0.04	3.69	**1**	0.024	3.6	Hydrock Derived		<0.04	<0.04	0.83	+	18.17	0.16	+	<0.04	+	<0.04	<0.04	NA	<0.04	+	<0.04	+	+	<0.04	<0.04	<0.04	+	<0.04	+	<0.04	+	<0.04	+	<0.04	+	0.16	+
206-44-0	Fluoranthene	mg/kg	<0.03	24	0.03	373.51	16.61	0.12	76.08	0	113	23000	Hydrock Derived		0.12	0.05	14.78	+	373.51	2.36	+	<0.03	+	0.24	0.11	NA	<0.03	+	0.11	+	+	0.32	<0.03	0.62	+	0.71	+	0.16	+	0.04	+	0.04	+	1.53	+
86-73-7	Fluorene	mg/kg	<0.04	24	0.04	18.23	0.82	0.04	3.71	0	183	72000	Hydrock Derived		<0.04	<0.04	0.46	+	18.23	0.12	+	<0.04	+	<0.04	<0.04	NA	<0.04	+	<0.04	+	+	<0.04	<0.04	<0.04	+	<0.04	+	<0.04	+	<0.04	+	<0.04	+	0.06	+
193-39-5	Indeno(123cd)pyrene	mg/kg	<0.04	24	0.04	100.99	4.56	0.04	20.56	0	0.37	510	Hydrock Derived		0.06	<0.04	4.32	+	100.99	0.69	+	<0.04	+	0.11	<0.04	NA	<0.04	+	<0.04	+	+	0.09	<0.04	0.16	+	0.16	+	0.05	+	<0.04	+	<0.04	+	0.84	+
91-20-3	Naphthalene	mg/kg	<0.04	24	0.04	2.04	0.15	0.04	0.41	0	432	8400	C4SL - CL:AIRE 2024		<0.04	<0.04	0.25	+	2.04	0.07	+	<0.04	+	<0.04	<0.04	NA	<0.04	+	<0.04	+	+	<0.04	<0.04	<0.04	+	<0.04	+	<0.04	+	0.08	+	<0.04	+	0.27	+
85-01-8	Phenanthrene	mg/kg	<0.03	24	0.03	183.36	8.13	0.06	37.35	0	214	23000	Hydrock Derived		0.07	<0.03	7.11	+	183.36	1.35	+	<0.03	+	<0.03	<0.03	NA	<0.03	+	<0.03	+	+	0.17	<0.03	0.31	+	0.43	+	0.1	+	0.05	+	<0.03	+	0.88	+
129-00-0	Pyrene	mg/kg	<0.03	24	0.03	311.38	13.91	0.11	63.41	0	13.2	55000	Hydrock Derived		0.12	0.03	12.39	+	311.38	2.14	+	<0.03	+	0.22	0.11	NA	<0.03	+	0.11	+	+	0.32	<0.03	0.62	+	0.7	+	0.15	+	0.03	+	0.04	+	1.55	+
P1310	PAH 16 Total	mg/kg	<0.6	24	0.60	1920.90	86.18	0.65	391.14			-			0.8	<0.6	79	+	1920.9	13.5	+	<0.6	+	1.5	<0.6	NA	<0.6	+	<0.6	+	+	2	<0.6	3.6	+	4.1	+	1	+	<0.6	+	<0.6	+	11.4	+
0	**TPH fractions**																																												
P1407	TPH ali EC05-EC06	mg/kg	<0.1	24	0.10	0.10	0.10	0.10	0.000	0	1150	12000	Hydrock Derived		<0.1	<0.1	<0.1	+	<0.1	<0.1	+	<0.1	+	<0.1	<0.1	NA	<0.1	+	<0.1	+	+	<0.1	<0.1	<0.1	+	<0.1	+	<0.1	+	<0.1	+	<0.1	+	<0.1	+
P1408	TPH ali >EC06-EC08	mg/kg	<0.1	24	0.10	0.10	0.10	0.10	0.000	0	736	40000	Hydrock Derived		0.1	<0.1	<0.1	+	<0.1	<0.1	+	<0.1	+	<0.1	<0.1	NA	<0.1	+	<0.1	+	+	<0.1	<0.1	<0.1	+	<0.1	+	<0.1	+	0.1	+	<0.1	+	<0.1	+
P1409	TPH ali >EC08-EC10	mg/kg	<0.1	24	0.10	0.10	0.10	0.10	0.000	0	451	11000	Hydrock Derived		<0.1	<0.1	<0.1	+	<0.1	<0.1	+	<0.1	+	<0.1	<0.1	NA	<0.1	+	<0.1	+	+	<0.1	<0.1	0.1	+	<0.1	+	<0.1	+	<0.1	+	<0.1	+	<0.1	+
P1410	TPH ali >EC10-EC12	mg/kg	<0.2	24	0.20	5.10	0.70	0.20	1.42	0	283	47000	Hydrock Derived		<0.2	<0.2	<0.2	+	5.1	<0.2	+	<0.2	+	<0.2	<0.2	NA	<0.2	+	2.7	+	+	<0.2	<0.2	<0.2	+	<0.2	+	<0.2	+	<0.2	+	<0.2	+	4.9	+
P1411	TPH ali >EC12-EC16	mg/kg	<4	24	4.00	25.00	5.42	4.00	4.67	0	142	90000	Hydrock Derived		<4	<4	<4	+	25	<4	+	<4	+	<4	<4	NA	<4	+	7	+	+	<4	<4	<4	+	<4	+	<4	+	<4	+	<4	+	14	+
	TPH ali >EC16-EC21	mg/kg	<7	24	7.00	95.00	11.63	7.00	18.12			-			<7	<7	<7	+	95	<7	+	<7	+	<7	<7	NA	<7	+	13	+	+	<7	<7	24	+	<7	+	<7	+	<7	+	<7	+	<7	+
	TPH ali >EC21-EC35	mg/kg	<7	24	7.00	614.00	71.83	7.00	156.69			-			<7	<7	<7	+	352	20	+	<7	+	51	<7	NA	<7	+	614	+	+	<7	<7	148	+	<7	+	<7	+	<7	+	<7	+	402	+
	TPH ali >EC5-EC35	mg/kg	<19	24	19.00	637.00	88.33	19.00	169.70			-			<19	<19	<19	+	477	20	+	<19	+	51	<19	NA	<19	+	637	+	+	<19	<19	172	+	<19	+	<19	+	<19	+	<19	+	421	+
P1441	TPH aro EC05-EC07	mg/kg	<0.1	24	0.10	0.10	0.10	0.10	0.00	0	4708	86000	Hydrock Derived		<0.1	<0.1	<0.1	+	<0.1	<0.1	+	<0.1	+	<0.1	<0.1	NA	<0.1	+	<0.1	+	+	<0.1	<0.1	<0.1	+	<0.1	+	<0.1	+	<0.1	+	<0.1	+	<0.1	+
P1355	TPH aro >EC07-EC08	mg/kg	<0.1	24	0.10	0.10	0.10	0.10	0.00	0	4357	180000	Hydrock Derived		<0.1	<0.1	<0.1	+	<0.1	<0.1	+	<0.1	+	<0.1	<0.1	NA	<0.1	+	<0.1	+	+	<0.1	<0.1	<0.1	+	<0.1	+	<0.1	+	<0.1	+	<0.1	+	<0.1	+
P1356	TPH aro >EC08-EC10	mg/kg	<0.1	24	0.10	0.10	0.10	0.10	0.00	0	3578	17000	Hydrock Derived		<0.1	<0.1	<0.1	+	<0.1	<0.1	+	<0.1	+	<0.1	<0.1	NA	<0.1	+	<0.1	+	+	<0.1	<0.1	<0.1	+	<0.1	+	<0.1	+	<0.1	+	<0.1	+	<0.1	+
P1357	TPH aro >EC10-EC12	mg/kg	<0.2	24	0.20	9.80	0.60	0.20	1.96	0	2149	34000	Hydrock Derived		<0.2	<0.2	<0.2	+	9.8	<0.2	+	<0.2	+	<0.2	<0.2	NA	<0.2	+	<0.2	+	+	<0.2	<0.2	<0.2	+	<0.2	+	<0.2	+	<0.2	+	<0.2	+	<0.2	+
P1358	TPH aro >EC12-EC16	mg/kg	<4	24	4.00	180.00	12.04	4.00	35.84	0	1004	38000	Hydrock Derived		<4	<4	<4	+	180	6	+	<4	+	<4	<4	NA	<4	+	10	+	+	<4	<4	<4	+	<4	+	<4	+	<4	+	<4	+	13	+
P1359	TPH aro >EC16-EC21	mg/kg	<7	24	7.00	2895.00	135.42	7.00	588.00	0	321	28000	Hydrock Derived		<7	<7	20	+	2895	38	+	<7	+	<7	8	NA	<7	+	49	+	+	9	<7	22	+	<7	+	<7	+	<7	+	<7	+	58	+
P1360	TPH aro >EC21-EC35	mg/kg	<7	24	7.00	4970.00	291.79	7.00	1013.31	0	29	28000	Hydrock Derived		<7	<7	82	+	4970	123	+	<7	+	87	<7	NA	<7	+	417	+	+	<7	<7	178	+	19	+	<7	+	<7	+	<7	+	829	+
	TPH aro >EC5-EC35	mg/kg	<19	24	19.00	8055.00	438.54	19.00	1634.55			-			<19	<19	102	+	8055	167	+	<19	+	87	<19	NA	<19	+	476	+	+	<19	<19	200	+	19	+	<19	+	<19	+	<19	+	900	+
	Total TPH >EC5-EC44	mg/kg	<48	24	38.00	8532.00	525.29	38.00	1737.53			-			<38	<38	102	+	8532	187	+	<38	+	138	<38	NA	<38	+	1113	+	+	<38	<38	372	+	<38	+	<38	+	<38	+	<38	+	1321	+
0	**VOCs - BTEX & MTBE**																																												
71-43-2	Benzene	mg/kg	<3	18					-	0	4708	98	C4SL - CL:AIRE 2014		-	-	<0.003	+	-	<0.003	+	<0.005	+	<0.005	<0.005	<0.005	<0.005	+	<0.005	+	+	<0.005	<0.005	<0.005	+	<0.005	+	<0.003	+	<0.003	+	-	+	0.006	+
108-88-3	Toluene	mg/kg	<3	18					-	0	4357	180000	Hydrock Derived		-	-	<0.003	+	-	<0.003	+	<0.005	+	<0.005	<0.005	<0.005	<0.005	+	<0.005	+	+	<0.005	<0.005	<0.005	+	<0.005	+	0.009	+	0.005	+	-	+	0.018	+
100-41-4	Ethylbenzene	mg/kg	<3	16					-	0	2844	27000	Hydrock Derived		-	-	<0.003	+	-	<0.003	+	<0.005	+	<0.005	<0.005		<0.005	+		+	+	<0.005	<0.005	0.022	+	<0.005	+	<0.003	+	<0.003	+	-	+	0.005	+
95-47-6	Xylene, o-	mg/kg	<3	16					-	0	2618	33000	Hydrock Derived		-	-	<0.003	+	-	<0.003	+	<0.005	+	<0.005	<0.005		<0.005	+		+	+	<0.005	<0.005	0.009	+	<0.005	+	<0.003	+	<0.003	+	-	+	<0.003	+
	Xylene, p- (or combined m & p)	mg/kg	<5	16					-			-			-	-	<0.005	+	-	<0.005	+	<0.005	+	<0.005	<0.005		<0.005	+		+	+	<0.005	<0.005	0.02	+	<0.005	+	<0.005	+	<0.005	+	-	+	0.023	+
1634-04-4	MTBE	mg/kg	<2	15	0.00	0.01	0.00	0.01	0.00	0	62749	22000	Hydrock Derived		-	-	<0.002	+	-	<0.002	+	<0.005	+	<0.005	<0.005	<0.005	<0.005	+	<0.005	+	+	<0.005	<0.005	<0.005	+	<0.005	+	<0.002	+	<0.002	+	-	+	<0.002	+
0	**VOCs - chloroalkanes & alkanes**																																												
75-35-4	1,1-Dichloroethene	mg/kg	<3	1					-	0	7944	87	Hydrock Derived																																
79-01-6	Trichloroethene	mg/kg	<3	3					-	0	7138	3.4	C4SL - CL:AIRE 2021										+					+		+	+	0.281			+		+		+	0.185	+	<0.003			
	Other SVOC Suite Substances which do not have a GAC																																												
62-53-3	Aniline	mg/kg	<10	2	0.01	0.01	0.01	0.01	0.00			-			-	-	<0.01	+	-	<0.01	+																								
39638-32-9	Bis(2-chloroisopropyl)ether	mg/kg	<50	2	0.05	0.05	0.05	0.05	0.00			-			-	-	<0.05	+	-	<0.05	+																								
91-57-6	2-Methylnaphthalene	mg/kg	<10	1	0.05	0.05	0.05	0.05	-			-			-	-	0.049	+	-	-	+																								
132-64-9	Dibenzofuran	mg/kg	<10	2	0.05	0.05	0.05	0.05	0.00			-			-	-	0.048	+	-	0.051	+																								
101-55-3	Bromophenyl phenyl ether	mg/kg	<100	2	0.10	0.10	0.10	0.10	0.00			-			-	-	<0.1	+	-	<0.1	+																								
86-74-8	Carbazole	mg/kg	<10	2	0.04	0.05	0.04	0.04	0.01			-			-	-	0.048	+	-	0.038	+																								
84-65-1	Anthraquinone	mg/kg	<100	2	0.10	0.10	0.10	0.10	0.00			-			-	-	<0.1	+	-	<0.1	+																								
	TPH Additivity Check						**HAZARD QUOTIENTS FOR EACH FRACTION**																																						
														Aliphatics >EC5-EC6	8.33333E-06	8.33333E-06	8.33333E-06		8.33333E-06	8.33333E-06		8.33333E-06		8.33333E-06	8.33333E-06		8.33333E-06		8.33333E-06			8.33333E-06	8.33333E-06	8.33333E-06		8.33333E-06		8.33333E-06		8.33333E-06		8.33333E-06		8.33333E-06	
														Aliphatics >EC6-EC8	0.0000025	0.0000025	0.0000025		0.0000025	0.0000025		0.0000025		0.0000025	0.0000025		0.0000025		0.0000025			0.0000025	0.0000025	0.0000025		0.0000025		0.0000025		0.0000025		0.0000025		0.0000025	
							Considered additive							Aliphatics >EC8-EC10	9.09091E-06	9.09091E-06	9.09091E-06		9.09091E-06	9.09091E-06		9.09091E-06		9.09091E-06	9.09091E-06		9.09091E-06		9.09091E-06			9.09091E-06	9.09091E-06	9.09091E-06		9.09091E-06		9.09091E-06		9.09091E-06		9.09091E-06		9.09091E-06	
														Aliphatics >EC10-EC12	4.25532E-06	4.25532E-06	4.25532E-06		0.000108511	4.25532E-06		4.25532E-06		4.25532E-06	4.25532E-06		4.25532E-06		5.74468E-05			4.25532E-06	4.25532E-06	4.25532E-06		4.25532E-06		4.25532E-06		4.25532E-06		4.25532E-06		0.000104255	
														Aliphatics >EC12-EC16	4.44444E-05	4.44444E-05	4.44444E-05		0.000277778	4.44444E-05		4.44444E-05		4.44444E-05	4.44444E-05		4.44444E-05		7.77778E-05			4.44444E-05	4.44444E-05	4.44444E-05		4.44444E-05		4.44444E-05		4.44444E-05		4.44444E-05		0.000155556	
														Aliphatics >EC16-EC35																															
														Aliphatics >EC35-EC44																															
														Aromatics EC5-EC7	1.16279E-06	1.16279E-06	1.16279E-06		1.16279E-06	1.16279E-06		1.16279E-06		1.16279E-06	1.16279E-06		1.16279E-06		1.16279E-06			1.16279E-06	1.16279E-06	1.16279E-06		1.16279E-06		1.16279E-06		1.16279E-06		1.16279E-06		1.16279E-06	
														Aromatics >EC7-EC8	5.55556E-07	5.55556E-07	5.55556E-07		5.55556E-07	5.55556E-07		5.55556E-07		5.55556E-07	5.55556E-07		5.55556E-07		5.55556E-07			5.55556E-07	5.55556E-07	5.55556E-07		5.55556E-07		5.55556E-07		5.55556E-07		5.55556E-07		5.55556E-07	
							Considered additive							Aromatics >EC8-EC10	5.88235E-06	5.88235E-06	5.88235E-06		5.88235E-06	5.88235E-06		5.88235E-06		5.88235E-06	5.88235E-06		5.88235E-06		5.88235E-06			5.88235E-06	5.88235E-06	5.88235E-06		5.88235E-06		5.88235E-06		5.88235E-06		5.88235E-06		5.88235E-06	
														Aromatics >EC10-EC12	5.88235E-06	5.88235E-06	5.88235E-06		0.000288235	5.88235E-06		5.88235E-06		5.88235E-06	5.88235E-06		5.88235E-06		5.88235E-06			5.88235E-06	5.88235E-06	5.88235E-06		5.88235E-06		5.88235E-06		5.88235E-06		5.88235E-06		5.88235E-06	
														Aromatics >EC12-EC16	0.000105263	0.000105263	0.000105263		0.004736842	0.000157895		0.000105263		0.000105263	0.000105263		0.000105263		0.000263158			0.000105263	0.000105263	0.000105263		0.000105263		0.000105263		0.000105263		0.000105263		0.000342105	
							Considered additive							Aromatics >EC16-EC21	0.00025	0.00025	0.000714286		0.103392857	0.001357143		0.00025		0.00025	0.000285714		0.00025		0.00175			0.000321429	0.00025	0.000785714		0.00025		0.00025		0.00025		0.00025		0.002071429	
														Aromatics >EC21-EC35	0.00025	0.00025	0.002928571		0.1775	0.004392857		0.00025		0.003107143	0.00025		0.00025		0.014892857			0.00025	0.00025	0.006357143		0.000678571		0.00025		0.00025		0.00025		0.029607143	
														Aromatics >EC35-EC44																															
							Hazard Index HI or HQ greater than 1 highlighted with orange shading							**Hazard Index for ali>C8-C16**	**5.77907E-05**	**5.77907E-05**	**5.77907E-05**		**0.000395379**	**5.77907E-05**		**5.77907E-05**		**5.77907E-05**	**5.77907E-05**		**5.77907E-05**		**0.000144315**			**5.77907E-05**	**5.77907E-05**	**5.77907E-05**		**5.77907E-05**		**5.77907E-05**		**5.77907E-05**		**5.77907E-05**		**0.000268902**	
														Hazard Index for aro>C8-C16	**0.000117028**	**0.000117028**	**0.000117028**		**0.00503096**	**0.000169659**		**0.000117028**		**0.000117028**	**0.000117028**		**0.000117028**		**0.000274923**			**0.000117028**	**0.000117028**	**0.000117028**		**0.000117028**		**0.000117028**		**0.000117028**		**0.000117028**		**0.00035387**	
														Hazard Index for aro>C16-C35	**0.0005**	**0.0005**	**0.003642857**		**0.280892857**	**0.00575**		**0.0005**		**0.003357143**	**0.000535714**		**0.0005**		**0.016642857**			**0.000571429**	**0.0005**	**0.007142857**		**0.000928571**		**0.0005**		**0.0005**		**0.0005**		**0.031678571**	

Legend:

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

Template Version:
1.13: 22/10/24

Assessment of Chemicals of Potential Concern to Human Health

Risk parameter: Default - Human Health - commercial (2.5%SOM)
Client: Kier Property Limited
Site: Sharston Industrial Estate
Job no.: 35838
Lab. report no(s).: N/A

Data Filters
Zone: All
Strata: GFSD
Depth Min (m bgl): 0.05
Depth Max (m bgl): 2.8

Dataset mean SOM%: 1.07
Scenario SOM%: 2.5

Hydrock now Stantec

All values in mg/kg unless otherwise stated

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Strata	Date	17/12/2024	17/12/2024	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	11/12/24	11/12/24	11/12/24	11/12/24	10/12/24	09/12/24	09/12/24
															Zone															
															Location	WS104	WS101	WS107	WS111	WS103	WS103	WS109	WS102	WS108	WS105	WS106	CP102	WS113	WS112	CP103
															Depth (m bgl)	1	0.5	0.5	0.8	1.4	2.8	0.5	0.5	0.7	0.5	0.6	1	1.5	0.7	0.5
-	**Asbestos**																													
P1020	Asbestos Identified	text	Y/N	42	-	-	-	-	No. of detects:	0	-	-	-		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
12172-73-5	Amosite detected	text	Y/N	2	-	-	-	-	-		-	-	-																
12001-29-5	Chrysotile detected	text	Y/N	2	-	-	-	-	-		-	-	-																
12001-28-4	Crocidolite detected	text	Y/N	1	-	-	-	-	-		-	-	-																
0	**Hydrock Default Suite - FOC / SOM / pH**										-																		
P1085	FOC (dimensionless)	||	0.001	15	0.001	0.031	0.006	0.005	0.01		-	-	-		0.0052	0.0101	0.0013	0.0313	0.0007	0.0013	0.0051	0.0071	0.0024	0.0057	0.0025	0.0038	0.0022	0.0081	0.0063
-	SOM (calculated)	%	0.1724	15	0.12	5.40	1.07	0.88	1.29		-	-	-		0.89648	1.74124	0.22412	5.39612	0.12068	0.22412	0.87924	1.22404	0.41376	0.98268	0.431	0.65512	0.37928	1.39644	1.08612
P1334	pH (su)	pH Units	<0.01	15	5.98	8.60	7.68	7.91	0.81		-	-	-		8.6	8.51	7.91	8.4	6.43	8.44	6.85	5.98	8.01	7.81	6.91	8.4	7.97	7.43	7.57
0	**Hydrock Default Suite - Metals & PAH**																												
7440-38-2	Arsenic	mg/kg	<0.5	15	1.70	23.40	9.45	8.90	6.75	0	NR	640	C4SL - CL:AIRE 2014		12.1	13.1	3.8	7.6	3.5	2.2	23.4	9.5	1.7	4.1	4.4	8.9	9.3	19.1	19
7440-41-7	Beryllium	mg/kg	<0.5	15	0.50	2.50	1.18	0.90	0.67	0	NR	12	Hydrock Derived		2	2.5	0.6	0.8	0.5	0.5	1.9	2.3	0.8	1	0.8	0.9	0.6	1.2	1.3
7440-42-8	Boron	mg/kg	<0.1	15	0.10	1.00	0.39	0.30	0.25	0	NR	240000	Hydrock Derived		0.3	0.6	0.2	0.3	0.6	0.2	0.7	1	0.1	0.3	0.2	0.2	0.2	0.4	0.6
7440-43-9	Cadmium	mg/kg	<0.1	15	0.10	2.50	0.26	0.10	0.62	0	NR	410	C4SL - CL:AIRE 2014		0.1	0.1	0.1	2.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16065-83-1	Chromium (III)	mg/kg	<0.5	15	20.00	59.70	42.84	49.50	14.79	0	NR	8400	Hydrock Derived		49.5	58.5	52.1	21.5	50.9	44.3	53.6	59.7	23.4	23.3	29.5	20	57.1	47.1	52.1
7440-50-8	Copper	mg/kg	<1	15	5.00	51.00	12.73	8.00	11.77	0	NR	68000	Hydrock Derived		9	51	7	24	15	6	5	11	17	6	7	8	8	11	6
7439-92-1	Lead	mg/kg	<5	15	5.00	68.00	15.00	11.00	15.60	0	NR	2300	C4SL - CL:AIRE 2014		13	25	7	68	<5	6	11	15	7	12	9	9	7	19	12
7439-97-6	Mercury, inorganic	mg/kg	<0.1	15	0.10	0.20	0.11	0.10	0.03	0	NR	5100	Hydrock Derived		0.1	0.1	0.1	<0.1	<0.1	0.1	0.2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
7440-02-0	Nickel	mg/kg	<0.7	15	7.20	29.60	17.15	15.20	7.85	0	NR	980	Hydrock Derived		28.9	28.3	9.1	23	7.2	10.2	16.4	25.8	15.2	10.8	10.9	11.5	14.3	16.1	29.6
7782-49-2	Selenium	mg/kg	<1	15	1.00	3.00	1.27	1.00	0.59	0	NR	12000	Hydrock Derived		1	<1	<1	<1	<1	<1	1	2	<1	1	<1	2	<1	<1	3
7440-62-2	Vanadium	mg/kg	<1	15	11.00	53.00	27.60	23.00	12.86	0	NR	9000	Hydrock Derived		39	53	17	19	11	14	34	44	20	22	23	23	19	29	47
7440-66-6	Zinc	mg/kg	<5	15	22.00	173.00	73.40	49.00	55.19	0	NR	730000	Hydrock Derived		109	173	22	73	25	27	68	135	31	126	33	33	25	49	172
P1095	Cyanide (free)	mg/kg	<0.5	2	0.50	0.50	0.50	0.50	0.00	0	NR	24	Acute Risk - SoBRA 2020		<0.5	<0.5													
83-32-9	Acenaphthene	mg/kg	<0.05	15	0.05	0.05	0.05	0.05	0.00	0	141	110000	Hydrock Derived		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
208-96-8	Acenaphthylene	mg/kg	<0.03	15	0.03	0.05	0.03	0.03	0.01	0	212	110000	Hydrock Derived		<0.03	<0.03	<0.03	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
120-12-7	Anthracene	mg/kg	<0.04	15	0.04	0.16	0.05	0.04	0.03	0	2.91	540000	Hydrock Derived		<0.04	0.1	<0.04	0.16	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
56-55-3	Benz(a)anthracene	mg/kg	<0.06	15	0.06	0.84	0.15	0.06	0.24	0	4.28	180	Hydrock Derived		<0.06	0.62	<0.06	0.84	<0.06	<0.06	<0.06	0.08	<0.06	<0.06	<0.06	<0.06	<0.06	0.12	<0.06
50-32-8	Benzo(a)pyrene	mg/kg	<0.04	15	0.04	0.87	0.14	0.04	0.26	0	2.28	77	C4SL - CL:AIRE 2014		<0.04	0.65	<0.04	0.87	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.09	<0.04
205-99-2	Benzo(b)fluoranthene	mg/kg	<0.05	15	0.05	1.06	0.17	0.05	0.31	0	3.04	45	Hydrock Derived		<0.05	0.75	<0.05	1.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	<0.05
191-24-2	Benzo(ghi)perylene	mg/kg	<0.04	15	0.04	0.52	0.10	0.04	0.15	0	0.04	3900	Hydrock Derived		<0.04	0.38	<0.04	0.52	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.07	<0.04
207-08-9	Benzo(k)fluoranthene	mg/kg	<0.02	15	0.02	0.41	0.07	0.02	0.12	0	1.72	1200	Hydrock Derived		<0.02	0.29	<0.02	0.41	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02
218-01-9	Chrysene	mg/kg	<0.02	15	0.02	0.97	0.14	0.02	0.28	0	1.10	350	Hydrock Derived		<0.02	0.67	<0.02	0.97	<0.02	<0.02	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	0.12	<0.02
53-70-3	Dibenz(ah)anthracene	mg/kg	<0.04	15	0.04	0.11	0.05	0.04	0.02	0	0.010	3.6	Hydrock Derived		<0.04	0.09	<0.04	0.11	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
206-44-0	Fluoranthene	mg/kg	<0.03	15	0.03	1.60	0.22	0.03	0.47	0	47	23000	Hydrock Derived		<0.03	1.07	<0.03	1.6	<0.03	<0.03	<0.03	0.1	<0.03	<0.03	<0.03	<0.03	<0.03	0.16	<0.03
86-73-7	Fluorene	mg/kg	<0.04	15	0.04	0.04	0.04	0.04	0.00	0	77	72000	Hydrock Derived		<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
193-39-5	Indeno(123cd)pyrene	mg/kg	<0.04	15	0.04	0.47	0.09	0.04	0.14	0	0.15	510	Hydrock Derived		<0.04	0.39	<0.04	0.47	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.06	<0.04
91-20-3	Naphthalene	mg/kg	<0.04	15	0.04	0.16	0.05	0.04	0.03	0	183	3700	C4SL - CL:AIRE 2024		<0.04	<0.04	<0.04	0.16	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
85-01-8	Phenanthrene	mg/kg	<0.03	15	0.03	0.66	0.10	0.03	0.17	0	90	23000	Hydrock Derived		<0.03	0.32	<0.03	0.66	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.09	<0.03
129-00-0	Pyrene	mg/kg	<0.03	15	0.03	1.43	0.20	0.03	0.42	0	5.5	55000	Hydrock Derived		<0.03	0.99	<0.03	1.43	<0.03	<0.03	<0.03	0.12	<0.03	<0.03	<0.03	<0.03	<0.03	0.16	<0.03
P1310	PAH 16 Total	mg/kg	<0.6	15	0.60	9.30	1.59	0.60	2.59			-			<0.6	6.3	<0.6	9.3	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	1	<0.6
0	**TPH fractions**																												
P1407	TPH ali EC05-EC06	mg/kg	<0.1	15	0.10	0.10	0.10	0.10	0.000	0	558	5900	Hydrock Derived		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1408	TPH ali >EC06-EC08	mg/kg	<0.1	15	0.10	0.30	0.11	0.10	0.052	0	322	17000	Hydrock Derived		<0.1	<0.1	<0.1	0.3	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
P1409	TPH ali >EC08-EC10	mg/kg	<0.1	15	0.10	0.10	0.10	0.10	0.000	0	190	4800	Hydrock Derived		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1410	TPH ali >EC10-EC12	mg/kg	<0.2	15	0.20	0.20	0.20	0.20	0.00	0	118	23000	Hydrock Derived		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
P1411	TPH ali >EC12-EC16	mg/kg	<4	15	4.00	4.00	4.00	4.00	0.00	0	59	82000	Hydrock Derived		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
	TPH ali >EC16-EC21	mg/kg	<7	15	7.00	7.00	7.00	7.00	0.00			-			<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
	TPH ali >EC21-EC35	mg/kg	<7	15	7.00	7.00	7.00	7.00	0.00			-			<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
	TPH ali >EC5-EC35	mg/kg	<19	15	19.00	19.00	19.00	19.00	0.00			-			<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19
P1441	TPH aro EC05-EC07	mg/kg	<0.1	15	0.10	0.10	0.10	0.10	0.00	0	2265	46000	Hydrock Derived		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1355	TPH aro >EC07-EC08	mg/kg	<0.1	15	0.10	0.10	0.10	0.10	0.00	0	1916	110000	Hydrock Derived		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1356	TPH aro >EC08-EC10	mg/kg	<0.1	15	0.10	0.10	0.10	0.10	0.00	0	1503	8100	Hydrock Derived		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
P1357	TPH aro >EC10-EC12	mg/kg	<0.2	15	0.20	0.20	0.20	0.20	0.00	0	899	28000	Hydrock Derived		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
P1358	TPH aro >EC12-EC16	mg/kg	<4	15	4.00	4.00	4.00	4.00	0.00	0	419	37000	Hydrock Derived		<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
P1359	TPH aro >EC16-EC21	mg/kg	<7	15	7.00	31.00	8.60	7.00	6.20	0	134	28000	Hydrock Derived		<7	<7	<7	31	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
P1360	TPH aro >EC21-EC35	mg/kg	<7	15	7.00	124.00	18.47	7.00	32.45	0	12	28000	Hydrock Derived		<7	62	<7	124	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7

Assessment of Chemicals of Potential Concern to Human Health

Risk parameter:	Default - Human Health - commercial (2.5%SOM)
Client:	Kier Property Limited
Site:	Sharston Industrial Estate
Job no.:	35838
Lab. report no(s).:	N/A

Data Filters

Zone	All
Strata	GFSD
Depth Min (m bgl)	0.05
Depth Max (m bgl)	2.8
Dataset mean SOM%	1.07
Scenario SOM%	2.5

Hydrock now Stantec

All values in mg/kg unless otherwise stated

CAS No / P Code	Chemical of Potential Concern	Units	LoD	No. Samples	Min. Value	Max. Value	Mean	Median	Standard Deviation	No. Samples >= GAC & > LoD	Soil Saturation Limit @2.5% SOM	GAC	GAC Source	Strata	WS104	WS101	WS107	WS111	WS103	WS103	WS109	WS102	WS108	WS105	WS106	CP102	WS113	WS112	CP103
	Date														17/12/2024	17/12/2024	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	12/12/24	11/12/24	11/12/24	11/12/24	11/12/24	10/12/24	09/12/24	09/12/24
	Zone																												
	Location														WS104	WS101	WS107	WS111	WS103	WS103	WS109	WS102	WS108	WS105	WS106	CP102	WS113	WS112	CP103
	Depth (m bgl)														1	0.5	0.5	0.8	1.4	2.8	0.5	0.5	0.7	0.5	0.6	1	1.5	0.7	0.5
	TPH aro >EC5-EC35	mg/kg	<19	15	19.00	155.00	30.93	19.00	36.06			-			<19	62	<19	155	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19	<19
	Total TPH >EC5-EC44	mg/kg	<48	15	38.00	155.00	47.40	38.00	30.40			-			<38	62	<38	155	<38	<38	<38	<38	<38	<38	<38	<38	<38	<38	<38
o	**VOCs - BTEX & MTBE**																												
71-43-2	Benzene	mg/kg	<3	9	0.00	0.01	0.00	0.01	0.00	0	2265	50	C4SL - CL:AIRE 2014		<0.003	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005				<0.003			
108-88-3	Toluene	mg/kg	<3	9	0.00	0.01	0.00	0.01	0.00	0	1916	110000	Hydrock Derived		<0.003	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005				<0.003			
100-41-4	Ethylbenzene	mg/kg	<3	7	0.00	0.01	0.00	0.01	0.00	0	1216	13000	Hydrock Derived		<0.003	<0.003	<0.005	<0.005			<0.005	<0.005				<0.003			
95-47-6	Xylene, o-	mg/kg	<3	7	0.00	0.01	0.00	0.01	0.00	0	1120	15000	Hydrock Derived		<0.003	<0.003	<0.005	<0.005			<0.005	<0.005				<0.003			
	Xylene, p- (or combined m & p)	mg/kg	<5	7	0.01	0.01	0.01	0.01	0.00			-			<0.005	<0.005	<0.005	<0.005			<0.005	<0.005				<0.005			
1634-04-4	MTBE	mg/kg	<2	9	0.00	0.01	0.00	0.01	0.00	0	33075	12000	Hydrock Derived		<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005				<0.002			
o	**VOCs - chloroalkanes & alkanes**																												
79-01-6	Trichloroethene	mg/kg	<3	5	0.00	0.03	0.02	0.02	0.01	0	3216	1.5	C4SL - CL:AIRE 2021						0.017	0.003			0.032	<0.003			0.02		
	Other SVOC Suite Substances which do not have a GAC																												
62-53-3	Aniline	mg/kg	<10	2	0.01	0.01	0.01	0.01	0.00			-			<0.01	<0.01													
39638-32-9	Bis(2-chloroisopropyl)ether	mg/kg	<50	2	0.05	0.05	0.05	0.05	0.00			-			<0.05	<0.05													
91-57-6	2-Methylnaphthalene	mg/kg	<10	2	0.01	0.04	0.03	0.03	0.02			-			<0.01	0.044													
132-64-9	Dibenzofuran	mg/kg	<10	2	0.01	0.05	0.03	0.03	0.03			-			<0.01	0.046													
101-55-3	Bromophenyl phenyl ether	mg/kg	<100	2	0.10	0.10	0.10	0.10	0.00			-			<0.1	<0.1													
86-74-8	Carbazole	mg/kg	<10	2	0.01	0.10	0.05	0.05	0.06			-			<0.01	0.099													
84-65-1	Anthraquinone	mg/kg	<100	2	0.10	0.10	0.10	0.10	0.00			-			<0.1	<0.1													
	TPH Additivity Check						**HAZARD QUOTIENTS FOR EACH FRACTION**																						
														Aliphatics >EC5-EC6	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05	1.69492E-05
														Aliphatics >EC6-EC8	5.88235E-06	5.88235E-06	5.88235E-06	1.76471E-05	5.88235E-06	5.88235E-06	5.88235E-06	5.88235E-06	5.88235E-06	5.88235E-06	5.88235E-06	5.88235E-06	5.88235E-06	5.88235E-06	5.88235E-06
													Considered additive	Aliphatics >EC8-EC10	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05	2.08333E-05
														Aliphatics >EC10-EC12	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06	8.69565E-06
														Aliphatics >EC12-EC16	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05	4.87805E-05
														Aliphatics >EC16-EC35															
														Aliphatics >EC35-EC44															
														Aromatics EC5-EC7	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06	2.17391E-06
														Aromatics >EC7-EC8	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07	9.09091E-07
													Considered additive	Aromatics >EC8-EC10	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05	1.23457E-05
														Aromatics >EC10-EC12	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06	7.14286E-06
														Aromatics >EC12-EC16	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108	0.000108108
													Considered additive	Aromatics >EC16-EC21	0.00025	0.00025	0.00025	0.001107143	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
														Aromatics >EC21-EC35	0.00025	0.002214286	0.00025	0.004428571	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025
														Aromatics >EC35-EC44															
													Hazard Index HI or HQ greater than 1 highlighted with orange shading	**Hazard Index for ali>C8-C16**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**	**7.83095E-05**
														Hazard Index for aro>C8-C16	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**	**0.000127597**
														Hazard Index for aro>C16-C35	**0.0005**	**0.002464286**	**0.0005**	**0.005535714**	**0.0005**	**0.0005**	**0.0005**	**0.0005**	**0.0005**	**0.0005**	**0.0005**	**0.0005**	**0.0005**	**0.0005**	**0.0005**

Legend:

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

Template Version:

113: 22/10/24

Controlled waters GQRA

Assessment of Water or Leachate Data

Scenario	**Controlled Waters (England & Wales)**
Assessment Level	**RTM Level 2 - Groundwater Beneath Source Assessment - groundwater samples**
Data set:	**Groundwater**
Client:	**Kier Property**
Site:	**Sharston Industrial Estate**
Job no:	**35838**
Lab. report no(s).:	**Ramboll**

Hydrock now Stantec

Data Filters

Zone	**All Zones**
Strata Filter	**All Strata**
Date Min	**13/01/2025**
Date Max	**14/01/2025**

Results Shading Key	
123*	Exceeds solubility value
<1	Grey text and "<" sign if value <= LoD
50	Exceeds screening value
500	Exceeds 10 x screening value

CAS / AGS Number	Determinand	Determinand Designations: EQS Category	Hazardous Substance	Solubility Limit	Sample Summaries: Units	Limit of Detection	No. of Samples	No. of Samples >	Min	Max	WQT (Exceeded if Red Text): DWS (England & Wales)		EQS (inland) (England and		Screening Value	No. Samples > WQT	No. Samples above LoD > WQT	WS103 GFSD Shallow 14/01/25	WS105 GFSD Shallow 14/01/25	WS108 GFSD Shallow 14/01/25	WS107 GFSD Shallow 14/01/25	WS113 GFSD Shallow 14/01/25	CP102 Till Granular Deep 13/01/25	CP101 Till Granular Deep 13/01/25	WS104 GFSD Shallow 13/01/25	CP103 Till Granular Deep 13/01/25	WS112 GFSD Shallow 13/01/25	CP105 Till Granular Deep 13/01/25
P1134	pH (min.) (su)	O	-		pH Units	0.01	11	11	7.15	8.09	6.5	a,b	6	h	6	0	0	7.72	7.51	7.15	7.5	7.34	8.09	7.73	7.94	7.82	7.77	7.85
P1134	pH (max.) (su)	O	-		pH Units	0.01	11	11	7.15	8.09	9.5	a,b	9	h	9	0	0	7.72	7.51	7.15	7.5	7.34	8.09	7.73	7.94	7.82	7.77	7.85
P1238	Ammnoniacal Nitrogen (as N)		NP		µg/l	0.03	11	8	<0.03	0.25	-	-	300	g	300	0	0	0.25	<0.03	0.12	0.19	0.06	0.12	0.12	<0.03	0.05	0.09	<0.03
16887-00-6	Chloride (Cl^-)	O	-		mg/l	0.3	11	11	30.4	93.7	250	a,b	250	h	250	0	0	60.4	75	90.8	93.7	46.5	30.4	38.5	38.6	88.4	59.8	34.1
16984-48-8	Fluoride (F^-)	O	-		µg/l	0.3	11	0	<0.3	<0.3	1500	a,b	1000	h	1000	0	0	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
14808-79-8	Sulfate (SO_4^{2-})	O	-		mg/l	0.5	11	11	3.6	73.3	250	a,b	400	h	250	0	0	41.3	45.1	73.3	58.4	40.9	30	55.2	13.2	32	3.6	57.1
7429-90-5	Aluminium (Al) (dissolved)	-	-		µg/l	1.5	11	4	<1.5	2.2	200	a,b	-		200	0	0	<1.5	2.1	<1.5	<1.5	<1.5	<1.5	<1.5	1.9	2.2	<1.5	1.6
7440-36-0	Antimony (Sb) (dissolved)	-	NP		µg/l	2	11	0	<2	<2	5	a,b	-		5	0	0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
7440-38-2	Arsenic (As) (dissolved)	SP	**H**		µg/l	0.9	11	5	<0.9	13.2	10	a,b	50	h	10	1	1	1	<0.9	2.3	1.4	<0.9	4.4	13.2	<0.9	<0.9	<0.9	<0.9
7440-39-3	Barium (Ba) (dissolved)	-	-		µg/l	1.8	11	11	37.5	257.1	1300	e	-		1300	0	0	98.9	142.6	257.1	250.3	225.7	143.2	106.9	37.5	156.9	236.9	155.4
7440-42-8	Boron (B) (dissolved)	O	NP		µg/l	12	11	11	15	109	1000	a,b	2000	h	1000	0	0	56	62	42	46	102	109	55	15	34	45	40
7440-43-9	Cadmium (Cd) (dissolved)	**PHS**	NP		µg/l	0.03	11	0	<0.03	<0.03	5	a,b	0.08	h	0.08	0	0	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
16065-83-1	Chromium (Cr III) (dissolved)	SP	-		µg/l	0.2	5	3	<0.2	0.5	-	-	4.7	h	4.7	0	0	0.3	<0.2	0.3	0.5	<0.2						
7440-48-4	Cobalt (Co) (dissolved)	O	NP		µg/l	0.1	11	11	0.2	0.7	-	-	3	h	3	0	0	0.3	0.2	0.4	0.4	0.2	0.4	0.4	0.2	0.5	0.3	0.7
7440-50-8	Copper (Cu) (dissolved)	SP	NP		µg/l	1	11	0	<1	<1	2000	a,b	1	h	1	0	0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
7439-89-6	Iron (Fe) (dissolved)	SP	-		mg/l	4.7	11	9	<4.7	4776.1	0.2	a,b	1	h	0.2	11	9	190	648.8	4776.1	3821.7	<4.7	221.4	2644.6	<4.7	311.4	745.3	722.4
7439-92-1	Lead (Pb) (dissolved)	PS	**H**		µg/l	0.4	11	0	<0.4	<0.4	10	a,b	1.2	h	1.2	0	0	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
P1286	Manganese (Mn) (dissolved)	SP	-		µg/l	1.5	11	11	8.4	983.4	50	a,b	123	h	50	10	10	220.5	333.4	983.4	971.3	743.4	479.7	484.3	8.4	634.1	402	858.1
7439-97-6	Mercury (Hg) (dissolved)	**PHS**	**H**	56	µg/l	0.5	11	0	<0.5	<0.5	1	a,b	0.07	h	0.07	11	0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
7440-02-0	Nickel (Ni) (dissolved)	PS	NP		µg/l	0.2	11	11	0.7	2.4	20	a,b	4	h	4	0	0	2.4	1.2	1.5	1.1	1.7	0.7	0.8	0.8	2	0.9	1.4
7782-49-2	Selenium (Se) (dissolved)	-	NP		µg/l	1.2	11	0	<1.2	<1.2	10	a,b	-		10	0	0	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
7440-22-4	Silver (Ag) (dissolved)	O	-		µg/l	5	11	0	<5	<5	-	-	0.05	h	0.05	11	0	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7440-31-5	Tin (Sn) (dissolved)	O	-		µg/l	5	11	0	<5	<5	-	-	25	h	25	0	0	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
7440-62-2	Vanadium (V) (dissolved)	O	-		µg/l	0.6	11	0	<0.6	<0.6	-	-	20	h	20	0	0	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
7440-66-6	Zinc (Zn) (dissolved)	*SP*	NP		µg/l	1.5	11	11	1.6	6.5	-	-	10.9	h	10.9	0	0	3.6	2.8	2.8	2.8	1.6	2.6	6.5	2.1	2.7	3.4	3.5
120-12-7	Anthracene	**PHS**	**H**	56	µg/l	0.005	11	0	<0.005	<0.005	-	-	0.1	h	0.1	0	0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
50-32-8	Benzo(a)pyrene	**PHS**	**H**	3.8	µg/l	0.005	11	0	<0.005	<0.005	0.01	a,b	0.00017	h	0.00017	11	0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
205-99-2	Benzo(b)fluoranthene	**PHS**	**H**	2	µg/l	0.008	11	0	<0.008	<0.008	-	-	0.017	h	0.017	0	0	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
191-24-2	Benzo(ghi)perylene	**PHS**	**H**	0.26	µg/l	0.005	11	0	<0.005	<0.005	-	-	0.0082	h	0.0082	0	0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
207-08-9	Benzo(k)fluoranthene	**PHS**	**H**	0.8	µg/l	0.008	11	0	<0.008	<0.008	-	-	0.017	h	0.017	0	0	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008	<0.008
206-44-0	Fluoranthene	PS	**H**	230	µg/l	0.005	11	0	<0.005	<0.005	-	-	0.0063	h	0.0063	0	0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
91-20-3	Naphthalene	PS	NP	19000	µg/l	0.1	11	0	<0.1	<0.1	-	-	2	h	2	0	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
GRP01	PAHs = sum of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, indeno(1,2,3-cd)pyrene	**PHS**	**H**		µg/l	0.173	5	0	<0.173	<0.173	0.1	a,b	-		0.1	5	0	<0.173	<0.173	<0.173	<0.173	<0.173						
P1407	Aliphatic >EC5-EC6	-	-	35900	µg/l	10	11	0	<10	<10	15000	e	10	j	10	0	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1408	Aliphatic >EC6-EC8	-	-	5370	µg/l	10	11	4	<10	41	15000	e	10	j	10	4	4	41	<10	15	<10	22	<10	<10	<10	<10	<10	13
P1409	Aliphatic >EC8-EC10	-	-	427	µg/l	10	11	0	<10	<10	300	e	10	j	10	0	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1410	Aliphatic >EC10-EC12	-	-	33.9	µg/l	5	11	0	<5	<5	300	e	10	j	10	0	0	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
P1411	Aliphatic >EC12-EC16	-	-	0.759	µg/l	10	11	0	<10	<10	300	e	10	j	10	0	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1415	Aliphatic >EC35-EC44	-	-	0.00254	µg/l	10	11	0	<10	<10	-	-	10	j	10	0	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1441	Aromatic EC5-EC7	-	-	1780000	µg/l	10	11	0	<10	<10	1	e	10	j	1	11	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1355	Aromatic >EC7-EC8	-	-	590000	µg/l	10	11	0	<10	<10	700	e	10	j	10	0	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1356	Aromatic >EC8-EC10	-	-	64600	µg/l	10	11	0	<10	<10	300	e	10	j	10	0	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1357	Aromatic >EC10-EC12	-	-	24500	µg/l	5	11	0	<5	<5	90	e	10	j	10	0	0	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
P1358	Aromatic > EC12-EC16	-	-	5750	µg/l	10	11	0	<10	<10	90	e	10	j	10	0	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1359	Aromatic >EC16-EC21	-	-	653	µg/l	10	11	0	<10	<10	90	e	10	j	10	0	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1360	Aromatic >EC21-EC35	-	-	6.61	µg/l	10	11	0	<10	<10	90	e	10	j	10	0	0	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
P1362	Aromatic >EC35-EC44	-	-	6.61	µg/l	10	6	0	<10	<10	-	-	10	j	10	0	0						<10	<10	<10	<10	<10	<10
156-59-2	cis 1,2-Dichloroethene (cis 1,2 DCE)	-	NP	7550000	µg/l	3	11	6	<3	80	50	e	-		50	2	2	80	<3	44	13	77	<3	<3	<3	<3	8	30
79-01-6	Trichloroethene (TCE)	OP	**H**	1370000	µg/l	3	11	3	<3	95	10	a,b	10	h	10	2	2	95	21	6	<3	<3	<3	<3	5	<3	<3	5
75-01-4	Vinyl chloride (chloroethene) (VC)	-	**H**	2760000	µg/l	3	11	0	0.1	6.4	0.5	a,b	-		0.5	4	4	<0.1	<0.1	<0.1	<0.1	3.7	<0.1	<0.1	<0.1	<0.1	6.4	<1.7

Appendix G Waste assessment

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

NB4DR-H4SO4-RD7QD

Report is invalid if pages are removed.

Job name

Sharston Road, Industrial Estate

Description/Comments

EMT-24-21359; EMT-24-21466; EMT-24-21753; EMT-24-21297; EMT-24-21131

Project

35838

Site

Sharston Road, Sharston Industrial Estate

Classified by

Name:
Annabel Edwards
Date:
04 Feb 2025 16:49 GMT
Telephone:
07909210962

Company:
Hydrock Consultants Ltd
Over Court Barns, Over Lane
Almondsbury
Bristol
BS32 4DF

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

HazWasteOnline™ Certification: CERTIFIED

Course	Date
Hazardous Waste Classification	07 Dec 2023

Next 3 year Refresher due by Dec 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

1934 Sharston Rd, Wythenshawe, Manchester **Post Code** M22 4RA

SIC for the process giving rise to the waste

41100 Development of building projects

Description of industry/producer giving rise to the waste

Redevelopment of industrial land.

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

Wastes created during demolition and excavation for new building foundations.

Description of the waste

» Made Ground – between 0.05m and 0.80m bgl, comprising of locally clayey gravels and sands of brick concrete, occasional asphalt clinker and natural lithologies.

» Glaciofluvial Sheet Deposits – extending to 3.90m bgl, comprising of orangish brown/dark brown very sandy clayey GRAVEL or very gravelly clayey SAND.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS108-11/12/2024-0.30-0.40m		Non Hazardous		3
2	WS108-11/12/2024-0.70-0.80m		Non Hazardous		9
3	WS105-11/12/2024-0.30-0.50m		Non Hazardous		13
4	WS105-11/12/2024-0.50-0.60m		Non Hazardous		19
5	WS106-11/12/2024-0.20-0.30m		Non Hazardous		23
6	WS106-11/12/2024-0.60-0.70m		Non Hazardous		27
7	CP102-11/12/2024-0.05-0.20m		Hazardous	HP 7, HP 11	31
8	CP102-11/12/2024-1.00-1.10m		Non Hazardous		38
9	WS107-12/12/2024-0.20-0.30m		Non Hazardous		44
10	WS107-12/12/2024-0.50-0.60m		Non Hazardous		47
11	WS115-12/12/2024-0.15-0.20m		Non Hazardous		50
12	WS115-12/12/2024-0.20-0.30m		Non Hazardous		53
13	WS110A-12/12/2024-0.40-0.50m		Non Hazardous		56
14	WS111-12/12/2024-0.40-0.50m		Non Hazardous		57
15	WS111-12/12/2024-0.80-0.90m		Non Hazardous		60
16	WS103-12/12/2024-0.40-0.50m		Non Hazardous		63
17	WS103-12/12/2024-1.40-1.50m		Non Hazardous		69
18	WS103-12/12/2024-2.80-2.90m		Non Hazardous		75
19	CP105-12/12/2024-0.30-0.40m		Non Hazardous		81
20	CP105-12/12/2024-0.50-0.60m		Non Hazardous		84
21	WS109-12/12/2024-0.20-0.40m		Non Hazardous		87
22	WS109-12/12/2024-0.50-0.60m		Non Hazardous		90
23	WS102-12/12/2024-0.30-0.40m		Non Hazardous		93
24	WS102-12/12/2024-0.50-0.60m		Non Hazardous		96
25	WS114-17/12/2024-0.30-0.40m		Non Hazardous		99
26	WS114-17/12/2024-0.50-0.60m		Non Hazardous		102
27	WS104-17/12/2024-0.40-0.50m		Non Hazardous		105
28	WS104-17/12/2024-1.00-1.10m		Non Hazardous		111
29	WS101-17/12/2024-0.10-0.20m		Hazardous	HP 7, HP 11, HP 14	117
30	WS101-17/12/2024-0.30-0.40m		Non Hazardous		120
31	WS101-17/12/2024-0.50-0.60m		Non Hazardous		126
32	WS110-10/12/2024-0.30m		Non Hazardous		132
33	WS113-10/12/2024-0.30-0.40m		Non Hazardous		135
34	WS113-10/12/2024-1.50-1.60m		Non Hazardous		138
35	CP101-10/12/2024-0.30-0.40m		Non Hazardous		144
36	CP104-09/12/2024-0.40-0.50m		Non Hazardous		147
37	WS112-09/12/2024-0.20-0.30m		Non Hazardous		153
38	WS112-09/12/2024-0.70-0.80m		Non Hazardous		159
39	CP103-09/12/2024-0.30-0.40m		Non Hazardous		165
40	CP103-09/12/2024-0.50-0.60m		Non Hazardous		171

Related documents

#	Name	Description
1	EMT-24-21131-Batch-1-202502031145.HWOL	Element .hwol file used to populate the Job
2	EMT-24-21297-Batch-1-202502031145.HWOL	Element .hwol file used to populate the Job
3	EMT-24-21359-Batch-1-202502031145.batch	Element .batch file used to populate the Job
4	EMT-24-21359-Batch-1-202502031145.HWOL	Element .hwol file used to populate the Job
5	EMT-24-21466-Batch-1-202502031145.HWOL	Element .hwol file used to populate the Job
6	EMT-24-21753-Batch-1-202502031145.HWOL	Element .hwol file used to populate the Job
7	Example waste stream template for contaminated soils	waste stream template used to create this Job

Report

Created by: Annabel Edwards

Created date: 04 Feb 2025 16:49 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	174
Appendix B: Rationale for selection of metal species	178
Appendix C: Version	179

Classification of sample: WS108-11/12/2024-0.30-0.40m

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

Sample details

Sample name:
WS108-11/12/2024-0.30-0.40m
Moisture content:
13.2%
(dry 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: 13.2% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		29.4 mg/kg		25.972 mg/kg	0.0026 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		4 mg/kg		3.534 mg/kg	0.000353 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		2.6 mg/kg	3.22	7.395 mg/kg	0.00074 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		40.9 mg/kg	1.462	52.807 mg/kg	0.00528 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		**<LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		133 mg/kg	1.252	147.073 mg/kg	0.0147 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	46 mg/kg		40.636 mg/kg	0.00406 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.1 mg/kg		0.0883 mg/kg	0.00000883 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		49 mg/kg	2.637	114.132 mg/kg	0.0114 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		**<LOD**
12	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]		69 mg/kg	4.398	268.071 mg/kg	0.0268 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		0.009	mg/kg		0.0079	mg/kg	0.000000795 %	✓	
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		8.31	pH		8.31	pH	8.31 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		0.1	mg/kg		0.0883	mg/kg	0.00000883 %	✓	
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.16	mg/kg		0.141	mg/kg	0.0000141 %	✓	
28		pyrene		204-927-3	129-00-0		0.15	mg/kg		0.133	mg/kg	0.0000133 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.1	mg/kg		0.0883	mg/kg	0.00000883 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.1	mg/kg		0.0883	mg/kg	0.00000883 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.11	mg/kg		0.0972	mg/kg	0.00000972 %	✓	
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.04	mg/kg		0.0353	mg/kg	0.00000353 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.08	mg/kg		0.0707	mg/kg	0.00000707 %	✓	
34		indeno[123-cd]pyrene		205-893-2	193-39-5		0.05	mg/kg		0.0442	mg/kg	0.00000442 %	✓	
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		0.06	mg/kg		0.053	mg/kg	0.0000053 %	✓	
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<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
39		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
40		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
41		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		0.032	mg/kg		0.0283	mg/kg	0.00000283 %	✓	
42		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
43		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
44	●	dichlorodifluoromethane		200-893-9	75-71-8		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
45		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
46		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
47		chloroethane	602-009-00-0	200-830-5	75-00-3		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
48	●	trichlorofluoromethane		200-892-3	75-69-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
49		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
50		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2		0.01	mg/kg		0.0088	mg/kg	0.000000883 %	✓	
51	●	2,2-dichloropropane		209-832-0	594-20-7		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
52	●	bromochloromethane		200-826-3	74-97-5		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
53		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
54		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
55		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
56		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
57		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
58	●	bromodichloromethane		200-856-7	75-27-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
59		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]		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
60	●	trans-1,3-dichloropropene		431-460-4	10061-02-6		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
61		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
62	●	1,3-dichloropropane		205-531-3	142-28-9		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
63	●	dibromochloromethane		204-704-0	124-48-1		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
64		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
65		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
66	●	1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
67		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				0.016	mg/kg		0.0141	mg/kg	0.00000141 %	✓	
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				68	mg/kg	1.785	107.237	mg/kg	0.0107 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		asbestos				<0.001	%		<0.001	%	<0.001 %		<LOD
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
123		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
124		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<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]									
125		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<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]									
126		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<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]									
										Total:	0.0821 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 7.95e-07%)

Classification of sample: WS108-11/12/2024-0.70-0.80m

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

Sample details

Sample name:
WS108-11/12/2024-0.70-0.80m
Moisture content:
8.4%
(dry 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: 8.4% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		1.7 mg/kg		1.568 mg/kg	0.000157 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.8 mg/kg		0.738 mg/kg	0.0000738 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		<0.1 mg/kg	3.22	<0.322 mg/kg	<0.0000322 %		<**LOD**
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		23.4 mg/kg	1.462	31.55 mg/kg	0.00316 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		17 mg/kg	1.252	19.631 mg/kg	0.00196 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7 mg/kg		6.458 mg/kg	0.000646 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		15.2 mg/kg	2.637	36.972 mg/kg	0.0037 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		31 mg/kg	4.398	125.771 mg/kg	0.0126 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		8.01	pH		8.01	pH	8.01 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
39		1,3-dichlorbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
40		1,4-dichlorobenzene; p-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
41		1,2-dichlorobenzene; o-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
42		1,2,4-trichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
43		hexachlorobutadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-765-5	87-68-3									
44		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
45		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
46		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
47		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]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
48		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
49		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
50		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
51		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
52		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
53		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
54		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
55		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
56		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
57		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
58		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
59		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
60		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
61		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
62		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
63		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
64		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
65		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
66		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
67		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
68		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
69		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
70		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
71		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
72		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
73		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
74		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
75		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
76		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
77		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
78		vanadium { divanadium pentaoxide; vanadium pentoxide }				20	mg/kg	1.785	32.937	mg/kg	0.00329 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
79		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<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]									
80		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<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]									
										Total:	0.03 %		

Key

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

Classification of sample: WS105-11/12/2024-0.30-0.50m

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

Sample details

Sample name:
WS105-11/12/2024-0.30-0.50m
Moisture content:
9.1%
(dry 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: 9.1% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		10.4 mg/kg		9.533 mg/kg	0.000953 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.3 mg/kg		1.192 mg/kg	0.000119 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.2 mg/kg	3.22	3.542 mg/kg	0.000354 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.3 mg/kg		0.275 mg/kg	0.0000275 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		12.5 mg/kg	1.462	16.746 mg/kg	0.00167 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		34 mg/kg	1.252	39.01 mg/kg	0.0039 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16 mg/kg		14.665 mg/kg	0.00147 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.5 mg/kg	2.637	35.043 mg/kg	0.0035 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		99 mg/kg	4.398	399.079 mg/kg	0.0399 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		0.005	mg/kg		0.0045	mg/kg	0.000000458 %	✓	
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		9.71	pH		9.71	pH	9.71 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		0.08	mg/kg		0.0733	mg/kg	0.00000733 %	✓	
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		0.05	mg/kg		0.0458	mg/kg	0.00000458 %	✓	
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.04	mg/kg		0.0367	mg/kg	0.00000367 %	✓	
28		pyrene		204-927-3	129-00-0		0.03	mg/kg		0.0275	mg/kg	0.00000275 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<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									
39		tetrachloroethylene				0.004	mg/kg		0.0036	mg/kg	0.000000367 %	✓	
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				0.185	mg/kg		0.17	mg/kg	0.000017 %	✓	
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				0.075	mg/kg		0.0687	mg/kg	0.00000687 %	✓	
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				0.02	mg/kg		0.0183	mg/kg	0.00000183 %	✓	
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				18	mg/kg	1.785	29.453	mg/kg	0.00295 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		asbestos				<0.001	%		<0.001	%	<0.001 %		<LOD
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5									
123		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
124		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<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]									
125		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<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]									
126		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<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]									
										Total:	0.0603 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 4.58e-07%)

Classification of sample: WS105-11/12/2024-0.50-0.60m

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

Sample details

Sample name:
WS105-11/12/2024-0.50-0.60m
Moisture content:
9.6%
(dry 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: 9.6% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		4.1 mg/kg		3.741 mg/kg	0.000374 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1 mg/kg		0.912 mg/kg	0.0000912 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.3 mg/kg	3.22	0.881 mg/kg	0.0000881 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		23.3 mg/kg	1.462	31.071 mg/kg	0.00311 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		6 mg/kg	1.252	6.853 mg/kg	0.000685 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	12 mg/kg		10.949 mg/kg	0.00109 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.8 mg/kg	2.637	25.982 mg/kg	0.0026 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		1 mg/kg	2.351	2.145 mg/kg	0.000215 %	✓	
12	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]		126 mg/kg	4.398	505.601 mg/kg	0.0506 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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			<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH		PH		7.81	pH		7.81	pH	7.81 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
39		1,3-dichlorbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
40		1,4-dichlorobenzene; p-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
41		1,2-dichlorobenzene; o-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
42		1,2,4-trichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
43		hexachlorobutadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-765-5	87-68-3									
44		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
45		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
46		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
47		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]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
48		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
49		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
50		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
51		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
52		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
53		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
54		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
55		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
56		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
57		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
58		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
59		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
60		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
61		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
62		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
63	●	4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
64		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
65	●	4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
66		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
67	●	bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
68		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
69	●	carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
70	●	dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
71		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
72	●	hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
73		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
74		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
75		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
76		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
77		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
78		vanadium { divanadium pentaoxide; vanadium pentoxide }				22	mg/kg	1.785	35.834	mg/kg	0.00358 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
79		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<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]									
80		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<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]									
										Total:	0.0665 %		

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: WS106-11/12/2024-0.20-0.30m

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

Sample details

Sample name:
WS106-11/12/2024-0.20-0.30m
Moisture content:
9.8%
(dry 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: 9.8% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		3 mg/kg		2.732 mg/kg	0.000273 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<**LOD**
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.5 mg/kg	3.22	1.466 mg/kg	0.000147 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.5 mg/kg		0.455 mg/kg	0.0000455 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		20.7 mg/kg	1.462	27.554 mg/kg	0.00276 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		12 mg/kg	1.252	13.681 mg/kg	0.00137 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	18 mg/kg		16.393 mg/kg	0.00164 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		8.5 mg/kg	2.637	20.411 mg/kg	0.00204 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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	184.248 mg/kg	0.0184 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		10.65	pH		10.65	pH	10.65 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.04	mg/kg		0.0364	mg/kg	0.00000364 %	✓	
28		pyrene		204-927-3	129-00-0		0.04	mg/kg		0.0364	mg/kg	0.00000364 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
39		1,3-dichlorbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
40		1,4-dichlorobenzene; p-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
41		1,2-dichlorobenzene; o-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
42		1,2,4-trichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
43		hexachlorobutadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-765-5	87-68-3									
44		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
45		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
46		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
47		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]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
48		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
49		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
50		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
51		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
52		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
53		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
54		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
55		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
56		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
57		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
58		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
59		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
60		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
61		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
62		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
63	●	4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
64		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
65	●	4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
66		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
67	●	bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
68		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
69	●	carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
70	●	dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
71		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
72	●	hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
73		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
74		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
75		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
76		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
77		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
78		vanadium { divanadium pentaoxide; vanadium pentoxide }				11	mg/kg	1.785	17.884	mg/kg	0.00179 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
79		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<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]									
80		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<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]									
										Total:	0.0329 %		

Key

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

Classification of sample: WS106-11/12/2024-0.60-0.70m

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

Sample details

Sample name:
WS106-11/12/2024-0.60-0.70m
Moisture content:
11.6%
(dry 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: 11.6% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		4.4 mg/kg		3.943 mg/kg	0.000394 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.8 mg/kg		0.717 mg/kg	0.0000717 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.2 mg/kg	3.22	0.577 mg/kg	0.0000577 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		29.5 mg/kg	1.462	38.634 mg/kg	0.00386 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		7 mg/kg	1.252	7.852 mg/kg	0.000785 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9 mg/kg		8.065 mg/kg	0.000806 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.9 mg/kg	2.637	25.753 mg/kg	0.00258 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		33 mg/kg	4.398	130.046 mg/kg	0.013 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				0.8	mg/kg	1.884	1.351	mg/kg	0.000135 %	✓	
20		pH			PH		6.91	pH		6.91	pH	6.91 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
39		1,3-dichlorbenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-067-00-7	208-792-1	541-73-1									
40		1,4-dichlorobenzene; p-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-035-00-2	203-400-5	106-46-7									
41		1,2-dichlorobenzene; o-dichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-034-00-7	202-425-9	95-50-1									
42		1,2,4-trichlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		602-087-00-6	204-428-0	120-82-1									
43		hexachlorobutadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-765-5	87-68-3									
44		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
45		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			201-857-5	88-75-5									
46		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-011-00-7	204-429-6	120-83-2									
47		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]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**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]									
48		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-017-00-X	202-467-8	95-95-4									
49		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-018-00-5	201-795-9	88-06-2									
50		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-014-00-3	200-431-6	59-50-7									
51		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-015-00-2	202-811-7	100-02-7									
52		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-002-00-8	201-778-6	87-86-5									
53		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			202-079-9	91-58-7									
54		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
			202-078-3	91-57-6									
55		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-317-00-9	204-211-0	117-81-7									
56		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-430-00-3	201-622-7	85-68-7									
57		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
		607-318-00-4	201-557-4	84-74-2									
58		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			204-214-7	117-84-0									
59		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			201-550-6	84-66-2									
60		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
			205-011-6	131-11-3									
61		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
62		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		609-049-00-8	210-106-0	606-20-2									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
63	●	4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
64		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
65	●	4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
66		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
67	●	bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
68		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
69	●	carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
70	●	dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
71		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
72	●	hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
73		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
74		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
75		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
76		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
77		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
78		vanadium { divanadium pentaoxide; vanadium pentoxide }				23	mg/kg	1.785	36.791	mg/kg	0.00368 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
79		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<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]									
80		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<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]									
										Total:	0.0297 %		

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: CP102-11/12/2024-0.05-0.20m

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

Sample details

Sample name:
CP102-11/12/2024-0.05-0.20m
Moisture content:
13.7%
(dry 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. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.116%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.116%)

Determinands

Moisture content: 13.7% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		8.8 mg/kg		7.74 mg/kg	0.000774 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.3 mg/kg		1.143 mg/kg	0.000114 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.1 mg/kg	3.22	0.283 mg/kg	0.0000283 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.6 mg/kg		0.528 mg/kg	0.0000528 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		19.6 mg/kg	1.462	25.195 mg/kg	0.00252 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**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
7		copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		55	mg/kg	1.252	60.552	mg/kg	0.00606 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	30	mg/kg		26.385	mg/kg	0.00264 %	✓	
9		mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		18.7	mg/kg	2.637	43.365	mg/kg	0.00434 %	✓	
11		selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		1	mg/kg	2.351	2.068	mg/kg	0.000207 %	✓	
12		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]		61	mg/kg	4.398	235.949	mg/kg	0.0236 %	✓	
13		TPH (C6 to C40) petroleum group			TPH		1321	mg/kg		1161.829	mg/kg	0.116 %	✓	
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
15		benzene	601-020-00-8	200-753-7	71-43-2		0.006	mg/kg		0.0052	mg/kg	0.000000528 %	✓	
16		toluene	601-021-00-3	203-625-9	108-88-3		0.018	mg/kg		0.0158	mg/kg	0.00000158 %	✓	
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		0.005	mg/kg		0.0044	mg/kg	0.00000044 %	✓	
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.023	mg/kg		0.0202	mg/kg	0.00000202 %	✓	
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
20		pH			PH		8.63	pH		8.63	pH	8.63 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		0.27	mg/kg		0.237	mg/kg	0.0000237 %	✓	
22		acenaphthylene		205-917-1	208-96-8		0.47	mg/kg		0.413	mg/kg	0.0000413 %	✓	
23		acenaphthene		201-469-6	83-32-9		0.08	mg/kg		0.0704	mg/kg	0.00000704 %	✓	
24		fluorene		201-695-5	86-73-7		0.06	mg/kg		0.0528	mg/kg	0.00000528 %	✓	
25		phenanthrene		201-581-5	85-01-8		0.88	mg/kg		0.774	mg/kg	0.0000774 %	✓	
26		anthracene		204-371-1	120-12-7		0.34	mg/kg		0.299	mg/kg	0.0000299 %	✓	
27		fluoranthene		205-912-4	206-44-0		1.53	mg/kg		1.346	mg/kg	0.000135 %	✓	
28		pyrene		204-927-3	129-00-0		1.55	mg/kg		1.363	mg/kg	0.000136 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.67	mg/kg		0.589	mg/kg	0.0000589 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.76	mg/kg		0.668	mg/kg	0.0000668 %	✓	

#		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									
31		benzo[b]fluoranthene				1.22	mg/kg		1.073	mg/kg	0.000107 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.47	mg/kg		0.413	mg/kg	0.0000413 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				1.1	mg/kg		0.967	mg/kg	0.0000967 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.84	mg/kg		0.739	mg/kg	0.0000739 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.16	mg/kg		0.141	mg/kg	0.0000141 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.96	mg/kg		0.844	mg/kg	0.0000844 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				0.013	mg/kg		0.0114	mg/kg	0.00000114 %	✓	
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									

#		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									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				0.209	mg/kg		0.184	mg/kg	0.0000184 %	✓	
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				0.075	mg/kg		0.066	mg/kg	0.0000066 %	✓	
			201-696-0	86-74-8									

#		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									
113		dibenzofuran				0.132	mg/kg		0.116	mg/kg	0.0000116 %	✓	
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				38	mg/kg	1.785	59.663	mg/kg	0.00597 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<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]									
										Total:	0.164 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

benzene (conc.: 5.28e-07%)

toluene (conc.: 1.58e-06%)
ethylbenzene (conc.: 4.4e-07%)

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

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.116%)
xylene (conc.: 2.02e-06%)

Classification of sample: CP102-11/12/2024-1.00-1.10m

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

Sample details

Sample name:
CP102-11/12/2024-1.00-1.10m
Moisture content:
19.4%
(dry 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: 19.4% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		8.9 mg/kg		7.454 mg/kg	0.000745 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.9 mg/kg		0.754 mg/kg	0.0000754 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.2 mg/kg	3.22	0.539 mg/kg	0.0000539 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		20 mg/kg	1.462	24.482 mg/kg	0.00245 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		8 mg/kg	1.252	8.387 mg/kg	0.000839 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	9 mg/kg		7.538 mg/kg	0.000754 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		11.5 mg/kg	2.637	25.395 mg/kg	0.00254 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		2 mg/kg	2.351	3.938 mg/kg	0.000394 %	✓	
12	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]		33 mg/kg	4.398	121.551 mg/kg	0.0122 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH				8.4	pH		8.4	pH	8.4 pH		
				PH									
21		naphthalene				<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				23	mg/kg	1.785	34.388	mg/kg	0.00344 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										Total:	0.0276 %		

Key

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

Classification of sample: WS107-12/12/2024-0.20-0.30m

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

Sample details

Sample name:
WS107-12/12/2024-0.20-0.30m
Moisture content:
5%
(dry 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: 5% Dry 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		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
2		beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		<0.5	mg/kg		<0.5	mg/kg	<0.00005 %		<**LOD**
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.2	mg/kg	3.22	0.613	mg/kg	0.0000613 %	✓	
4		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
5		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		57.2	mg/kg	1.462	79.62	mg/kg	0.00796 %	✓	
6		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<**LOD**
7		copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		14	mg/kg	1.252	16.69	mg/kg	0.00167 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	<5	mg/kg		<5	mg/kg	<0.0005 %		<**LOD**
9		mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.5	mg/kg	2.637	18.833	mg/kg	0.00188 %	✓	
11		selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<**LOD**
12		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]		15	mg/kg	4.398	62.828	mg/kg	0.00628 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH		PH		11.09	pH		11.09	pH	11.09 pH		
21		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				7	mg/kg	1.785	11.901	mg/kg	0.00119 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0239 %		

Key

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

Classification of sample: WS107-12/12/2024-0.50-0.60m

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

Sample details

Sample name:
WS107-12/12/2024-0.50-0.60m
Moisture content:
9.9%
(dry 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: 9.9% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		3.8 mg/kg		3.458 mg/kg	0.000346 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.6 mg/kg		0.546 mg/kg	0.0000546 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.2 mg/kg	3.22	0.586 mg/kg	0.0000586 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		52.1 mg/kg	1.462	69.288 mg/kg	0.00693 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		7 mg/kg	1.252	7.973 mg/kg	0.000797 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7 mg/kg		6.369 mg/kg	0.000637 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.1 mg/kg	2.637	21.832 mg/kg	0.00218 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		22 mg/kg	4.398	88.039 mg/kg	0.0088 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		7.91	pH		7.91	pH	7.91 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		17	mg/kg	1.785	27.614	mg/kg	0.00276 %	✓	
											Total:	0.0268 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated 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: WS115-12/12/2024-0.15-0.20m

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

Sample details

Sample name:
WS115-12/12/2024-0.15-0.20m
Moisture content:
38.5%
(dry 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: 38.5% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		16.2 mg/kg		11.697 mg/kg	0.00117 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		2.9 mg/kg		2.094 mg/kg	0.000209 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.4 mg/kg	3.22	0.93 mg/kg	0.000093 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	3 mg/kg		2.166 mg/kg	0.000217 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		55.3 mg/kg	1.462	58.357 mg/kg	0.00584 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		255 mg/kg	1.252	230.472 mg/kg	0.023 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	151 mg/kg		109.025 mg/kg	0.0109 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.3 mg/kg		0.217 mg/kg	0.0000217 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		45.5 mg/kg	2.637	86.62 mg/kg	0.00866 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		1 mg/kg	2.351	1.698 mg/kg	0.00017 %	✓	
12	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]		390 mg/kg	4.398	1238.405 mg/kg	0.124 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		138	mg/kg		99.639	mg/kg	0.00996 %	✓	
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH		PH		8.46	pH		8.46	pH	8.46 pH		
21		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.24	mg/kg		0.173	mg/kg	0.0000173 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.22	mg/kg		0.159	mg/kg	0.0000159 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.19	mg/kg		0.137	mg/kg	0.0000137 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.18	mg/kg		0.13	mg/kg	0.000013 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.22	mg/kg		0.159	mg/kg	0.0000159 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.08	mg/kg		0.0578	mg/kg	0.00000578 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.14	mg/kg		0.101	mg/kg	0.0000101 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.11	mg/kg		0.0794	mg/kg	0.00000794 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.12	mg/kg		0.0866	mg/kg	0.00000866 %	✓	
			205-883-8	191-24-2									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				61	mg/kg	1.785	78.625	mg/kg	0.00786 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
38		asbestos				<0.001	%		<0.001	%	<0.001 %		<LOD
		650-013-00-6	- - - - - - -	12001-28-4 132207-32-0									

#		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							
				12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5							
								Total:	0.193 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00996%)

Classification of sample: WS115-12/12/2024-0.20-0.30m

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

Sample details

Sample name:
WS115-12/12/2024-0.20-0.30m
Moisture content:
19.3%
(dry 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: 19.3% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		8.1 mg/kg		6.79 mg/kg	0.000679 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.2 mg/kg		1.006 mg/kg	0.000101 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.4 mg/kg	3.22	1.08 mg/kg	0.000108 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.3 mg/kg		0.251 mg/kg	0.0000251 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		43.1 mg/kg	1.462	52.802 mg/kg	0.00528 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		40 mg/kg	1.252	41.971 mg/kg	0.0042 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	42 mg/kg		35.205 mg/kg	0.00352 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.5 mg/kg	2.637	32.047 mg/kg	0.0032 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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	258.051 mg/kg	0.0258 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		8.81	pH		8.81	pH	8.81 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.11	mg/kg		0.0922	mg/kg	0.00000922 %	✓	
28		pyrene		204-927-3	129-00-0		0.11	mg/kg		0.0922	mg/kg	0.00000922 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.1	mg/kg		0.0838	mg/kg	0.00000838 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.07	mg/kg		0.0587	mg/kg	0.00000587 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.06	mg/kg		0.0503	mg/kg	0.00000503 %	✓	
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.02	mg/kg		0.0168	mg/kg	0.00000168 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		27	mg/kg	1.785	40.402	mg/kg	0.00404 %	✓	
											Total:	0.0512 %		

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: WS110A-12/12/2024-0.40-0.50m

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

Sample details

Sample name:
WS110A-12/12/2024-0.40-0.50m

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

Hazard properties

None identified

Determinands

Moisture content: 0% Dry 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		asbestos 650-013-00-6	- - - - - - -	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5		<0.001 %		<0.001 %	<0.001 %		<**LOD**
								Total:	0.001 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD	Below limit of detection

Classification of sample: WS111-12/12/2024-0.40-0.50m

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

Sample details

Sample name:
WS111-12/12/2024-0.40-0.50m
Moisture content:
16%
(dry 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% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		15.9 mg/kg		13.707 mg/kg	0.00137 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.3 mg/kg		1.121 mg/kg	0.000112 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.3 mg/kg	3.22	0.833 mg/kg	0.0000833 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		47.9 mg/kg	1.462	60.352 mg/kg	0.00604 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		6 mg/kg	1.252	6.475 mg/kg	0.000647 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	10 mg/kg		8.621 mg/kg	0.000862 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		12.4 mg/kg	2.637	28.185 mg/kg	0.00282 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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	151.653 mg/kg	0.0152 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		8.67	pH		8.67	pH	8.67 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		28	mg/kg	1.785	43.091	mg/kg	0.00431 %	✓	
											Total:	0.0357 %		

Key

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

Classification of sample: WS111-12/12/2024-0.80-0.90m

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

Sample details

Sample name:
WS111-12/12/2024-0.80-0.90m
Moisture content:
9%
(dry 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% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		7.6 mg/kg		6.972 mg/kg	0.000697 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.8 mg/kg		0.734 mg/kg	0.0000734 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.2 mg/kg	3.22	0.591 mg/kg	0.0000591 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	2.5 mg/kg		2.294 mg/kg	0.000229 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		21.5 mg/kg	1.462	28.829 mg/kg	0.00288 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		24 mg/kg	1.252	27.562 mg/kg	0.00276 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	68 mg/kg		62.385 mg/kg	0.00624 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		23 mg/kg	2.637	55.636 mg/kg	0.00556 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		73 mg/kg	4.398	294.54 mg/kg	0.0295 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		155	mg/kg		142.202	mg/kg	0.0142 %	✓	
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				0.01	mg/kg		0.0091	mg/kg	$0^{.000000917}_{\%}$	✓	
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH		PH		8.4	pH		8.4	pH	8.4 pH		
21		naphthalene				0.16	mg/kg		0.147	mg/kg	0.0000147 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.05	mg/kg		0.0459	mg/kg	0.00000459 %	✓	
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.66	mg/kg		0.606	mg/kg	0.0000606 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.16	mg/kg		0.147	mg/kg	0.0000147 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				1.6	mg/kg		1.468	mg/kg	0.000147 %	✓	
			205-912-4	206-44-0									
28		pyrene				1.43	mg/kg		1.312	mg/kg	0.000131 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.84	mg/kg		0.771	mg/kg	0.0000771 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.97	mg/kg		0.89	mg/kg	0.000089 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				1.06	mg/kg		0.972	mg/kg	0.0000972 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.41	mg/kg		0.376	mg/kg	0.0000376 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.87	mg/kg		0.798	mg/kg	0.0000798 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.47	mg/kg		0.431	mg/kg	0.0000431 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.11	mg/kg		0.101	mg/kg	0.0000101 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.52	mg/kg		0.477	mg/kg	0.0000477 %	✓	
			205-883-8	191-24-2									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				19	mg/kg	1.785	31.118	mg/kg	0.00311 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0665 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 9.17e-07%)

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0142%)

Classification of sample: WS103-12/12/2024-0.40-0.50m

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

Sample details

Sample name:
WS103-12/12/2024-0.40-0.50m
Moisture content:
12.4%
(dry 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: 12.4% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		7.7 mg/kg		6.851 mg/kg	0.000685 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.2 mg/kg		1.068 mg/kg	0.000107 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6 mg/kg	3.22	1.719 mg/kg	0.000172 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		50.3 mg/kg	1.462	65.406 mg/kg	0.00654 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		22 mg/kg	1.252	24.501 mg/kg	0.00245 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	25 mg/kg		22.242 mg/kg	0.00222 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.1 mg/kg		0.089 mg/kg	0.0000089 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.5 mg/kg	2.637	34.014 mg/kg	0.0034 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		2 mg/kg	2.351	4.184 mg/kg	0.000418 %	✓	
12	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	273.892 mg/kg	0.0274 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		1113	mg/kg		990.214	mg/kg	0.099 %	✓	
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		8.06	pH		8.06	pH	8.06 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.11	mg/kg		0.0979	mg/kg	0.00000979 %	✓	
28		pyrene		204-927-3	129-00-0		0.11	mg/kg		0.0979	mg/kg	0.00000979 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.09	mg/kg		0.0801	mg/kg	0.00000801 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.08	mg/kg		0.0712	mg/kg	0.00000712 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.07	mg/kg		0.0623	mg/kg	0.00000623 %	✓	
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.03	mg/kg		0.0267	mg/kg	0.00000267 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.04	mg/kg		0.0356	mg/kg	0.00000356 %	✓	
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<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									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				0.017	mg/kg		0.0151	mg/kg	0.00000151 %	✓	
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				0.018	mg/kg		0.016	mg/kg	0.0000016 %	✓	
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				0.128	mg/kg		0.114	mg/kg	0.0000114 %	✓	
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				0.016	mg/kg		0.0142	mg/kg	0.00000142 %	✓	
			201-696-0	86-74-8									
113		dibenzofuran				0.02	mg/kg		0.0178	mg/kg	0.00000178 %	✓	
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				25	mg/kg	1.785	39.706	mg/kg	0.00397 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										Total:	0.147 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.099%)

Classification of sample: WS103-12/12/2024-1.40-1.50m

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

Sample details

Sample name:
WS103-12/12/2024-1.40-1.50m
Moisture content:
3.4%
(dry 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: 3.4% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		3.5 mg/kg		3.385 mg/kg	0.000338 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<**LOD**
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.2 mg/kg	3.22	0.623 mg/kg	0.0000623 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		50.9 mg/kg	1.462	71.947 mg/kg	0.00719 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		15 mg/kg	1.252	18.159 mg/kg	0.00182 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	<5 mg/kg		<5 mg/kg	<0.0005 %		<**LOD**
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.2 mg/kg	2.637	18.36 mg/kg	0.00184 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		25 mg/kg	4.398	106.333 mg/kg	0.0106 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		6.43	pH		6.43	pH	6.43 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<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									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				0.003	mg/kg		0.0029	mg/kg	0.00000029 %	✓	
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44	●	dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48	●	trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51	●	2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52	●	bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58	●	bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60	●	trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62	●	1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63	●	dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66	●	1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				11	mg/kg	1.785	18.991	mg/kg	0.0019 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										Total:	0.0287 %		

Key

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

Classification of sample: WS103-12/12/2024-2.80-2.90m

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

Sample details

Sample name:
WS103-12/12/2024-2.80-2.90m
Moisture content:
8.1%
(dry 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: 8.1% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		2.2 mg/kg		2.035 mg/kg	0.000204 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<**LOD**
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.2 mg/kg	3.22	0.596 mg/kg	0.0000596 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		44.3 mg/kg	1.462	59.895 mg/kg	0.00599 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		6 mg/kg	1.252	6.948 mg/kg	0.000695 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	6 mg/kg		5.55 mg/kg	0.000555 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.1 mg/kg		0.0925 mg/kg	0.00000925 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		10.2 mg/kg	2.637	24.879 mg/kg	0.00249 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		27 mg/kg	4.398	109.846 mg/kg	0.011 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		8.44	pH		8.44	pH	8.44 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<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
39		tetrachloroethylene	602-028-00-4	204-825-9	127-18-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
40		carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8	56-23-5		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
41		trichloroethylene; trichloroethene	602-027-00-9	201-167-4	79-01-6		0.281	mg/kg		0.26	mg/kg	0.000026 %	✓	
42		vinyl chloride; chloroethylene	602-023-00-7	200-831-0	75-01-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
43		hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
44	●	dichlorodifluoromethane		200-893-9	75-71-8		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
45		chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
46		bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9		<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<**LOD**
47		chloroethane	602-009-00-0	200-830-5	75-00-3		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
48	●	trichlorofluoromethane		200-892-3	75-69-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
49		1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4		<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
50		dichloromethane; methylene chloride	602-004-00-3	200-838-9	75-09-2		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
51	●	2,2-dichloropropane		209-832-0	594-20-7		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
52	●	bromochloromethane		200-826-3	74-97-5		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
53		chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
54		1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
55		1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
56		1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5		<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
57		dibromomethane	602-003-00-8	200-824-2	74-95-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
58	●	bromodichloromethane		200-856-7	75-27-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
59		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]		<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<**LOD**
60	●	trans-1,3-dichloropropene		431-460-4	10061-02-6		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
61		1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
62	●	1,3-dichloropropane		205-531-3	142-28-9		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
63	●	dibromochloromethane		204-704-0	124-48-1		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
64		1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
65		chlorobenzene	602-033-00-1	203-628-5	108-90-7		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
66	●	1,1,1,2-tetrachloroethane		211-135-1	630-20-6		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
67		bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				14	mg/kg	1.785	23.12	mg/kg	0.00231 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				0.019	mg/kg		0.0176	mg/kg	0.00000176 %	✓	
		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]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										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)
	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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3] (conc.: 1.76e-06%)

Classification of sample: CP105-12/12/2024-0.30-0.40m

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

Sample details

Sample name:
CP105-12/12/2024-0.30-0.40m
Moisture content:
14.5%
(dry 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: 14.5% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		8.5 mg/kg		7.424 mg/kg	0.000742 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1 mg/kg		0.873 mg/kg	0.0000873 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.5 mg/kg	3.22	1.406 mg/kg	0.000141 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.4 mg/kg		0.349 mg/kg	0.0000349 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		44.9 mg/kg	1.462	57.313 mg/kg	0.00573 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		33 mg/kg	1.252	36.077 mg/kg	0.00361 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	47 mg/kg		41.048 mg/kg	0.0041 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.2 mg/kg	2.637	32.699 mg/kg	0.00327 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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	268.869 mg/kg	0.0269 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		7.99	pH		7.99	pH	7.99 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		0.17	mg/kg		0.148	mg/kg	0.0000148 %	✓	
26		anthracene		204-371-1	120-12-7		0.05	mg/kg		0.0437	mg/kg	0.00000437 %	✓	
27		fluoranthene		205-912-4	206-44-0		0.32	mg/kg		0.279	mg/kg	0.0000279 %	✓	
28		pyrene		204-927-3	129-00-0		0.32	mg/kg		0.279	mg/kg	0.0000279 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.21	mg/kg		0.183	mg/kg	0.0000183 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.23	mg/kg		0.201	mg/kg	0.0000201 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.21	mg/kg		0.183	mg/kg	0.0000183 %	✓	
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.08	mg/kg		0.0699	mg/kg	0.00000699 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.16	mg/kg		0.14	mg/kg	0.000014 %	✓	
34		indeno[123-cd]pyrene		205-893-2	193-39-5		0.09	mg/kg		0.0786	mg/kg	0.00000786 %	✓	
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		0.11	mg/kg		0.0961	mg/kg	0.00000961 %	✓	
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		24	mg/kg	1.785	37.419	mg/kg	0.00374 %	✓	
											Total:	0.0527 %		

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: CP105-12/12/2024-0.50-0.60m

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

Sample details

Sample name:
CP105-12/12/2024-0.50-0.60m
Moisture content:
13.3%
(dry 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: 13.3% Dry 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		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		6.5	mg/kg		5.737	mg/kg	0.000574 %	✓	
2		beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.9	mg/kg		0.794	mg/kg	0.0000794 %	✓	
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.2	mg/kg	3.22	0.568	mg/kg	0.0000568 %	✓	
4		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
5		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		40	mg/kg	1.462	51.599	mg/kg	0.00516 %	✓	
6		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<**LOD**
7		copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		5	mg/kg	1.252	5.524	mg/kg	0.000552 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	13	mg/kg		11.474	mg/kg	0.00115 %	✓	
9		mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.4	mg/kg	2.637	17.221	mg/kg	0.00172 %	✓	
11		selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		1	mg/kg	2.351	2.075	mg/kg	0.000208 %	✓	
12		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]		39	mg/kg	4.398	151.385	mg/kg	0.0151 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH		PH		7.79	pH		7.79	pH	7.79 pH		
21		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				20	mg/kg	1.785	31.513	mg/kg	0.00315 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0318 %		

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: WS109-12/12/2024-0.20-0.40m

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

Sample details

Sample name:
WS109-12/12/2024-0.20-0.40m
Moisture content:
9.6%
(dry 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: 9.6% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		9 mg/kg		8.212 mg/kg	0.000821 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.9 mg/kg		0.821 mg/kg	0.0000821 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.7 mg/kg	3.22	2.056 mg/kg	0.000206 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.6 mg/kg		0.547 mg/kg	0.0000547 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		30.6 mg/kg	1.462	40.806 mg/kg	0.00408 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		25 mg/kg	1.252	28.553 mg/kg	0.00286 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	37 mg/kg		33.759 mg/kg	0.00338 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		13.2 mg/kg	2.637	31.756 mg/kg	0.00318 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		1 mg/kg	2.351	2.145 mg/kg	0.000215 %	✓	
12	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]		104 mg/kg	4.398	417.321 mg/kg	0.0417 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		372	mg/kg		339.416	mg/kg	0.0339 %	✓	
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		0.022	mg/kg		0.0201	mg/kg	0.00000201 %	✓	
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.029	mg/kg		0.0265	mg/kg	0.00000265 %	✓	
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
20		pH			PH		8.07	pH		8.07	pH	8.07 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**LOD**
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<**LOD**
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
25		phenanthrene		201-581-5	85-01-8		0.31	mg/kg		0.283	mg/kg	0.0000283 %	✓	
26		anthracene		204-371-1	120-12-7		0.09	mg/kg		0.0821	mg/kg	0.00000821 %	✓	
27		fluoranthene		205-912-4	206-44-0		0.62	mg/kg		0.566	mg/kg	0.0000566 %	✓	
28		pyrene		204-927-3	129-00-0		0.62	mg/kg		0.566	mg/kg	0.0000566 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.37	mg/kg		0.338	mg/kg	0.0000338 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.36	mg/kg		0.328	mg/kg	0.0000328 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.41	mg/kg		0.374	mg/kg	0.0000374 %	✓	
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.16	mg/kg		0.146	mg/kg	0.0000146 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.28	mg/kg		0.255	mg/kg	0.0000255 %	✓	
34		indeno[123-cd]pyrene		205-893-2	193-39-5		0.16	mg/kg		0.146	mg/kg	0.0000146 %	✓	
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<**LOD**
36		benzo[ghi]perylene		205-883-8	191-24-2		0.19	mg/kg		0.173	mg/kg	0.0000173 %	✓	
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		18	mg/kg	1.785	29.319	mg/kg	0.00293 %	✓	
											Total:	0.094 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

ethylbenzene (conc.: 2.01e-06%)

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

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.0339%)
xylene (conc.: 2.65e-06%)

Classification of sample: WS109-12/12/2024-0.50-0.60m

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

Sample details

Sample name:
WS109-12/12/2024-0.50-0.60m
Moisture content:
16%
(dry 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% Dry 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		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		23.4	mg/kg		20.172	mg/kg	0.00202 %	✓	
2		beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.9	mg/kg		1.638	mg/kg	0.000164 %	✓	
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6	mg/kg	3.22	1.665	mg/kg	0.000167 %	✓	
4		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
5		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		53.6	mg/kg	1.462	67.534	mg/kg	0.00675 %	✓	
6		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<**LOD**
7		copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		5	mg/kg	1.252	5.396	mg/kg	0.00054 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	11	mg/kg		9.483	mg/kg	0.000948 %	✓	
9		mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.2	mg/kg		0.172	mg/kg	0.0000172 %	✓	
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		16.4	mg/kg	2.637	37.277	mg/kg	0.00373 %	✓	
11		selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		1	mg/kg	2.351	2.027	mg/kg	0.000203 %	✓	
12		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]		68	mg/kg	4.398	257.809	mg/kg	0.0258 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH		PH		6.85	pH		6.85	pH	6.85 pH		
21		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				34	mg/kg	1.785	52.324	mg/kg	0.00523 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0496 %		

Key

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

Classification of sample: WS102-12/12/2024-0.30-0.40m

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

Sample details

Sample name:
WS102-12/12/2024-0.30-0.40m
Moisture content:
16.5%
(dry 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: 16.5% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		15.4 mg/kg		13.219 mg/kg	0.00132 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.5 mg/kg		1.288 mg/kg	0.000129 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1 mg/kg	3.22	2.764 mg/kg	0.000276 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.1 mg/kg		0.0858 mg/kg	0.00000858 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		59.4 mg/kg	1.462	74.521 mg/kg	0.00745 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		37 mg/kg	1.252	39.756 mg/kg	0.00398 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	61 mg/kg		52.361 mg/kg	0.00524 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.3 mg/kg		0.258 mg/kg	0.0000258 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		20.3 mg/kg	2.637	45.944 mg/kg	0.00459 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		96 mg/kg	4.398	362.404 mg/kg	0.0362 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		7.07	pH		7.07	pH	7.07 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		0.43	mg/kg		0.369	mg/kg	0.0000369 %	✓	
26		anthracene		204-371-1	120-12-7		0.09	mg/kg		0.0773	mg/kg	0.00000773 %	✓	
27		fluoranthene		205-912-4	206-44-0		0.71	mg/kg		0.609	mg/kg	0.0000609 %	✓	
28		pyrene		204-927-3	129-00-0		0.7	mg/kg		0.601	mg/kg	0.0000601 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.38	mg/kg		0.326	mg/kg	0.0000326 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.47	mg/kg		0.403	mg/kg	0.0000403 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.42	mg/kg		0.361	mg/kg	0.0000361 %	✓	
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.16	mg/kg		0.137	mg/kg	0.0000137 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.34	mg/kg		0.292	mg/kg	0.0000292 %	✓	
34		indeno[123-cd]pyrene		205-893-2	193-39-5		0.16	mg/kg		0.137	mg/kg	0.0000137 %	✓	
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		0.2	mg/kg		0.172	mg/kg	0.0000172 %	✓	
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		37	mg/kg	1.785	56.697	mg/kg	0.00567 %	✓	
											Total:	0.0695 %		

Key

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

Classification of sample: WS102-12/12/2024-0.50-0.60m

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

Sample details

Sample name:
WS102-12/12/2024-0.50-0.60m
Moisture content:
16.2%
(dry 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: 16.2% Dry 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		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		9.5	mg/kg		8.176	mg/kg	0.000818 %	✓	
2		beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		2.3	mg/kg		1.979	mg/kg	0.000198 %	✓	
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6	mg/kg	3.22	1.663	mg/kg	0.000166 %	✓	
4		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
5		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		59.7	mg/kg	1.462	75.09	mg/kg	0.00751 %	✓	
6		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<**LOD**
7		copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		11	mg/kg	1.252	11.85	mg/kg	0.00118 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	15	mg/kg		12.909	mg/kg	0.00129 %	✓	
9		mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.1	mg/kg		0.0861	mg/kg	0.00000861 %	✓	
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		25.8	mg/kg	2.637	58.543	mg/kg	0.00585 %	✓	
11		selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		2	mg/kg	2.351	4.047	mg/kg	0.000405 %	✓	
12		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]		135	mg/kg	4.398	510.947	mg/kg	0.0511 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH		PH		5.98	pH		5.98	pH	5.98 pH		
21		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.1	mg/kg		0.0861	mg/kg	0.00000861 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.12	mg/kg		0.103	mg/kg	0.0000103 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.08	mg/kg		0.0688	mg/kg	0.00000688 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.08	mg/kg		0.0688	mg/kg	0.00000688 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				44	mg/kg	1.785	67.597	mg/kg	0.00676 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0793 %		

Key

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

Classification of sample: WS114-17/12/2024-0.30-0.40m

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

Sample details

Sample name:
WS114-17/12/2024-0.30-0.40m
Moisture content:
18%
(dry 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% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		22.4 mg/kg		18.983 mg/kg	0.0019 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.1 mg/kg		0.932 mg/kg	0.0000932 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.4 mg/kg	3.22	1.091 mg/kg	0.000109 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		32.8 mg/kg	1.462	40.626 mg/kg	0.00406 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		27 mg/kg	1.252	28.642 mg/kg	0.00286 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	27 mg/kg		22.881 mg/kg	0.00229 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.3 mg/kg	2.637	31.953 mg/kg	0.0032 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		145 mg/kg	4.398	540.423 mg/kg	0.054 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		8.77	pH		8.77	pH	8.77 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		0.07	mg/kg		0.0593	mg/kg	0.00000593 %	✓	
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.12	mg/kg		0.102	mg/kg	0.0000102 %	✓	
28		pyrene		204-927-3	129-00-0		0.12	mg/kg		0.102	mg/kg	0.0000102 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.09	mg/kg		0.0763	mg/kg	0.00000763 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.08	mg/kg		0.0678	mg/kg	0.00000678 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.1	mg/kg		0.0847	mg/kg	0.00000847 %	✓	
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.04	mg/kg		0.0339	mg/kg	0.00000339 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.08	mg/kg		0.0678	mg/kg	0.00000678 %	✓	
34		indeno[123-cd]pyrene		205-893-2	193-39-5		0.06	mg/kg		0.0508	mg/kg	0.00000508 %	✓	
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		0.06	mg/kg		0.0508	mg/kg	0.00000508 %	✓	
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		26	mg/kg	1.785	39.335	mg/kg	0.00393 %	✓	
											Total:	0.0768 %		

Key

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

Classification of sample: WS114-17/12/2024-0.50-0.60m

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

Sample details

Sample name:
WS114-17/12/2024-0.50-0.60m
Moisture content:
12.9%
(dry 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: 12.9% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		34.2 mg/kg		30.292 mg/kg	0.00303 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.9 mg/kg		0.797 mg/kg	0.0000797 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.4 mg/kg	3.22	1.141 mg/kg	0.000114 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		36 mg/kg	1.462	46.604 mg/kg	0.00466 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		6 mg/kg	1.252	6.652 mg/kg	0.000665 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	10 mg/kg		8.857 mg/kg	0.000886 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		8.5 mg/kg	2.637	19.851 mg/kg	0.00199 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		32 mg/kg	4.398	124.653 mg/kg	0.0125 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH		PH		8.6	pH		8.6	pH	8.6 pH		
21		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.05	mg/kg		0.0443	mg/kg	0.00000443 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.03	mg/kg		0.0266	mg/kg	0.00000266 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.03	mg/kg		0.0266	mg/kg	0.00000266 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				23	mg/kg	1.785	36.368	mg/kg	0.00364 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0318 %		

Key

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

Classification of sample: WS104-17/12/2024-0.40-0.50m

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

Sample details

Sample name:
WS104-17/12/2024-0.40-0.50m
Moisture content:
17.3%
(dry 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: 17.3% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		14.1 mg/kg		12.02 mg/kg	0.0012 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.7 mg/kg		1.449 mg/kg	0.000145 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.8 mg/kg	3.22	2.196 mg/kg	0.00022 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		54.8 mg/kg	1.462	68.281 mg/kg	0.00683 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		36 mg/kg	1.252	38.418 mg/kg	0.00384 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	53 mg/kg		45.183 mg/kg	0.00452 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.2 mg/kg		0.171 mg/kg	0.0000171 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		25.2 mg/kg	2.637	56.645 mg/kg	0.00566 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		112 mg/kg	4.398	419.921 mg/kg	0.042 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		102	mg/kg		86.957	mg/kg	0.0087 %	✓	
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<**LOD**
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
20		pH			PH		8.09	pH		8.09	pH	8.09 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		0.25	mg/kg		0.213	mg/kg	0.0000213 %	✓	
22		acenaphthylene		205-917-1	208-96-8		1.18	mg/kg		1.006	mg/kg	0.000101 %	✓	
23		acenaphthene		201-469-6	83-32-9		0.55	mg/kg		0.469	mg/kg	0.0000469 %	✓	
24		fluorene		201-695-5	86-73-7		0.46	mg/kg		0.392	mg/kg	0.0000392 %	✓	
25		phenanthrene		201-581-5	85-01-8		7.11	mg/kg		6.061	mg/kg	0.000606 %	✓	
26		anthracene		204-371-1	120-12-7		2.26	mg/kg		1.927	mg/kg	0.000193 %	✓	
27		fluoranthene		205-912-4	206-44-0		14.78	mg/kg		12.6	mg/kg	0.00126 %	✓	
28		pyrene		204-927-3	129-00-0		12.39	mg/kg		10.563	mg/kg	0.00106 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		6.5	mg/kg		5.541	mg/kg	0.000554 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		6.45	mg/kg		5.499	mg/kg	0.00055 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		8.24	mg/kg		7.025	mg/kg	0.000702 %	✓	
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		3.21	mg/kg		2.737	mg/kg	0.000274 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		6.74	mg/kg		5.746	mg/kg	0.000575 %	✓	
34		indeno[123-cd]pyrene		205-893-2	193-39-5		4.32	mg/kg		3.683	mg/kg	0.000368 %	✓	
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		0.83	mg/kg		0.708	mg/kg	0.0000708 %	✓	
36		benzo[ghi]perylene		205-883-8	191-24-2		3.74	mg/kg		3.188	mg/kg	0.000319 %	✓	
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**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									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				0.049	mg/kg		0.0418	mg/kg	0.00000418 %	✓	
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				0.048	mg/kg		0.0409	mg/kg	0.00000409 %	✓	
			201-696-0	86-74-8									
113		dibenzofuran				0.048	mg/kg		0.0409	mg/kg	0.00000409 %	✓	
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				40	mg/kg	1.785	60.876	mg/kg	0.00609 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										Total:	0.0865 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated 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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0087%)

Classification of sample: WS104-17/12/2024-1.00-1.10m

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

Sample details

Sample name:
WS104-17/12/2024-1.00-1.10m
Moisture content:
21.3%
(dry 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: 21.3% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		12.1 mg/kg		9.975 mg/kg	0.000998 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		2 mg/kg		1.649 mg/kg	0.000165 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.3 mg/kg	3.22	0.796 mg/kg	0.0000796 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		49.5 mg/kg	1.462	59.643 mg/kg	0.00596 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		9 mg/kg	1.252	9.288 mg/kg	0.000929 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	13 mg/kg		10.717 mg/kg	0.00107 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		28.9 mg/kg	2.637	62.82 mg/kg	0.00628 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		1 mg/kg	2.351	1.938 mg/kg	0.000194 %	✓	
12	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]		109 mg/kg	4.398	395.197 mg/kg	0.0395 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		7.05	pH		7.05	pH	7.05 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<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									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				39	mg/kg	1.785	57.397	mg/kg	0.00574 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										Total:	0.0651 %		

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: WS101-17/12/2024-0.10-0.20m

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

Sample details

Sample name:
WS101-17/12/2024-0.10-0.20m
Moisture content:
12.5%
(dry 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. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.758%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.758%)

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:

copper(II) oxide (compound conc.: 0.107%)
zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] (compound conc.: 0.309%)

Determinands

Moisture content: 12.5% Dry 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		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		21.4	mg/kg		19.022	mg/kg	0.0019 %	✓	
2		beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		3.1	mg/kg		2.756	mg/kg	0.000276 %	✓	
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.2	mg/kg	3.22	0.572	mg/kg	0.0000572 %	✓	

#		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
4		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.6	mg/kg		0.533	mg/kg	0.0000533 %	✓	
5		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		30.6	mg/kg	1.462	39.754	mg/kg	0.00398 %	✓	
6		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<**LOD**
7		copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		959	mg/kg	1.252	1067.07	mg/kg	0.107 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	94	mg/kg		83.556	mg/kg	0.00836 %	✓	
9		mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		40.6	mg/kg	2.637	95.155	mg/kg	0.00952 %	✓	
11		selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<**LOD**
12		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]		790	mg/kg	4.398	3088.321	mg/kg	0.309 %	✓	
13		TPH (C6 to C40) petroleum group			TPH		8532	mg/kg		7584	mg/kg	0.758 %	✓	
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		0.009	mg/kg		0.008	mg/kg	0.0000008 %	✓	
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
20		pH			PH		8.51	pH		8.51	pH	8.51 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		2.04	mg/kg		1.813	mg/kg	0.000181 %	✓	
22		acenaphthylene		205-917-1	208-96-8		2.43	mg/kg		2.16	mg/kg	0.000216 %	✓	
23		acenaphthene		201-469-6	83-32-9		15.75	mg/kg		14	mg/kg	0.0014 %	✓	
24		fluorene		201-695-5	86-73-7		18.23	mg/kg		16.204	mg/kg	0.00162 %	✓	

#		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									
25		phenanthrene				183.36	mg/kg		162.987	mg/kg	0.0163 %	✓	
			201-581-5	85-01-8									
26		anthracene				67.06	mg/kg		59.609	mg/kg	0.00596 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				373.51	mg/kg		332.009	mg/kg	0.0332 %	✓	
			205-912-4	206-44-0									
28		pyrene				311.38	mg/kg		276.782	mg/kg	0.0277 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				164.19	mg/kg		145.947	mg/kg	0.0146 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				161.08	mg/kg		143.182	mg/kg	0.0143 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				181.14	mg/kg		161.013	mg/kg	0.0161 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				70.44	mg/kg		62.613	mg/kg	0.00626 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				156.92	mg/kg		139.484	mg/kg	0.0139 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				100.99	mg/kg		89.769	mg/kg	0.00898 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				18.17	mg/kg		16.151	mg/kg	0.00162 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				94.21	mg/kg		83.742	mg/kg	0.00837 %	✓	
			205-883-8	191-24-2									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				54	mg/kg	1.785	85.689	mg/kg	0.00857 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	1.378 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

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

Because of determinands:

TPH (C6 to C40) petroleum group (conc.: 0.758%)
xylene (conc.: 8.0e-07%)

Classification of sample: WS101-17/12/2024-0.30-0.40m

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

Sample details

Sample name:
WS101-17/12/2024-0.30-0.40m
Moisture content:
22.5%
(dry 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: 22.5% Dry 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		arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		19.6	mg/kg		16	mg/kg	0.0016 %	✓	
2		beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		2.1	mg/kg		1.714	mg/kg	0.000171 %	✓	
3		boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.8	mg/kg	3.22	2.103	mg/kg	0.00021 %	✓	
4		cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<**LOD**
5		chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		55.4	mg/kg	1.462	66.098	mg/kg	0.00661 %	✓	
6		chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3	mg/kg	1.923	<0.577	mg/kg	<0.0000577 %		<**LOD**
7		copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		93	mg/kg	1.252	95.033	mg/kg	0.0095 %	✓	
8		lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	92	mg/kg		75.102	mg/kg	0.00751 %	✓	
9		mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.7	mg/kg		0.571	mg/kg	0.0000571 %	✓	
10		nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		28.2	mg/kg	2.637	60.698	mg/kg	0.00607 %	✓	
11		selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1	mg/kg	2.351	<2.351	mg/kg	<0.000235 %		<**LOD**
12		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]		188	mg/kg	4.398	674.947	mg/kg	0.0675 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		187	mg/kg		152.653	mg/kg	0.0153 %	✓	
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<**LOD**
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<**LOD**
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<**LOD**
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<**LOD**
		006-007-00-5											
20		pH		PH		8.27	pH		8.27	pH	8.27 pH		
21		naphthalene				0.07	mg/kg		0.0571	mg/kg	0.00000571 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.07	mg/kg		0.0571	mg/kg	0.00000571 %	✓	
			205-917-1	208-96-8									
23		acenaphthene				0.12	mg/kg		0.098	mg/kg	0.0000098 %	✓	
			201-469-6	83-32-9									
24		fluorene				0.12	mg/kg		0.098	mg/kg	0.0000098 %	✓	
			201-695-5	86-73-7									
25		phenanthrene				1.35	mg/kg		1.102	mg/kg	0.00011 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.34	mg/kg		0.278	mg/kg	0.0000278 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				2.36	mg/kg		1.927	mg/kg	0.000193 %	✓	
			205-912-4	206-44-0									
28		pyrene				2.14	mg/kg		1.747	mg/kg	0.000175 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				1.09	mg/kg		0.89	mg/kg	0.000089 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				1.26	mg/kg		1.029	mg/kg	0.000103 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				1.35	mg/kg		1.102	mg/kg	0.00011 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.52	mg/kg		0.424	mg/kg	0.0000424 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				1.16	mg/kg		0.947	mg/kg	0.0000947 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.69	mg/kg		0.563	mg/kg	0.0000563 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.16	mg/kg		0.131	mg/kg	0.0000131 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.69	mg/kg		0.563	mg/kg	0.0000563 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<**LOD**
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<**LOD**
			203-458-1, 200-863-5	107-06-2, 75-34-3									

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
39		tetrachloroethylene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4							
40		carbon tetrachloride; tetrachloromethane				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5							
41		trichloroethylene; trichloroethene				0.005 mg/kg		0.004 mg/kg	0.000000408 %	✓	
		602-027-00-9	201-167-4	79-01-6							
42		vinyl chloride; chloroethylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4							
43		hexachlorobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1							
44		dichlorodifluoromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8							
45		chloromethane; methyl chloride				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3							
46		bromomethane; methylbromide				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9							
47		chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3							
48		trichlorofluoromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4							
49		1,1-dichloroethylene; vinylidene chloride				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4							
50		dichloromethane; methylene chloride				<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2							
51		2,2-dichloropropane				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7							
52		bromochloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5							
53		chloroform; trichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3							
54		1,1,1-trichloroethane; methyl chloroform				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6							
55		1,1-dichloropropene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6							
56		1,2-dichloropropane; propylene dichloride				<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5							
57		dibromomethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3							
58		bromodichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4							
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
60		trans-1,3-dichloropropene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6							
61		1,1,2-trichloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5							
62		1,3-dichloropropane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9							
63		dibromochloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1							
64		1,2-dibromoethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4							
65		chlorobenzene				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7							
66		1,1,1,2-tetrachloroethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6							
67		bromoform; tribromomethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2							

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				0.047	mg/kg		0.0384	mg/kg	0.00000384 %	✓	
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				0.038	mg/kg		0.031	mg/kg	0.0000031 %	✓	
			201-696-0	86-74-8									
113		dibenzofuran				0.051	mg/kg		0.0416	mg/kg	0.00000416 %	✓	
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				47	mg/kg	1.785	68.493	mg/kg	0.00685 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										Total:	0.123 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated 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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0153%)

Classification of sample: WS101-17/12/2024-0.50-0.60m

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

Sample details

Sample name:
WS101-17/12/2024-0.50-0.60m
Moisture content:
21.8%
(dry 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: 21.8% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		13.1 mg/kg		10.755 mg/kg	0.00108 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		2.5 mg/kg		2.053 mg/kg	0.000205 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6 mg/kg	3.22	1.586 mg/kg	0.000159 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		58.5 mg/kg	1.462	70.198 mg/kg	0.00702 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		51 mg/kg	1.252	52.414 mg/kg	0.00524 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	25 mg/kg		20.525 mg/kg	0.00205 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		28.3 mg/kg	2.637	61.263 mg/kg	0.00613 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		173 mg/kg	4.398	624.664 mg/kg	0.0625 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		62	mg/kg		50.903	mg/kg	0.00509 %	✓	
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH		PH		7.85	pH		7.85	pH	7.85 pH		
21		naphthalene				<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				0.32	mg/kg		0.263	mg/kg	0.0000263 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.1	mg/kg		0.0821	mg/kg	0.00000821 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				1.07	mg/kg		0.878	mg/kg	0.0000878 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.99	mg/kg		0.813	mg/kg	0.0000813 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.62	mg/kg		0.509	mg/kg	0.0000509 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.67	mg/kg		0.55	mg/kg	0.000055 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.75	mg/kg		0.616	mg/kg	0.0000616 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.29	mg/kg		0.238	mg/kg	0.0000238 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.65	mg/kg		0.534	mg/kg	0.0000534 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				0.39	mg/kg		0.32	mg/kg	0.000032 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.09	mg/kg		0.0739	mg/kg	0.00000739 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				0.38	mg/kg		0.312	mg/kg	0.0000312 %	✓	
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				0.044	mg/kg		0.0361	mg/kg	0.00000361 %	✓	
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				0.099	mg/kg		0.0813	mg/kg	0.00000813 %	✓	
			201-696-0	86-74-8									
113		dibenzofuran				0.046	mg/kg		0.0378	mg/kg	0.00000378 %	✓	
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				53	mg/kg	1.785	77.68	mg/kg	0.00777 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										Total:	0.0983 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.00509%)

Classification of sample: WS110-10/12/2024-0.30m

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

Sample details

Sample name:
WS110-10/12/2024-0.30m
Moisture content:
20.2%
(dry 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: 20.2% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		8 mg/kg		6.656 mg/kg	0.000666 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.6 mg/kg		0.499 mg/kg	0.0000499 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.5 mg/kg	3.22	1.339 mg/kg	0.000134 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		54 mg/kg	1.462	65.661 mg/kg	0.00657 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		16 mg/kg	1.252	16.663 mg/kg	0.00167 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	23 mg/kg		19.135 mg/kg	0.00191 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		15.8 mg/kg	2.637	34.659 mg/kg	0.00347 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		66 mg/kg	4.398	241.483 mg/kg	0.0241 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH		PH		8.13	pH		8.13	pH	8.13 pH		
21		naphthalene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				0.05	mg/kg		0.0416	mg/kg	0.00000416 %	✓	
			205-912-4	206-44-0									
28		pyrene				0.05	mg/kg		0.0416	mg/kg	0.00000416 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				25	mg/kg	1.785	37.129	mg/kg	0.00371 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0466 %		

Key

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

Classification of sample: WS113-10/12/2024-0.30-0.40m

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

Sample details

Sample name:
WS113-10/12/2024-0.30-0.40m
Moisture content:
8.6%
(dry 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: 8.6% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		6.2 mg/kg		5.709 mg/kg	0.000571 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.5 mg/kg		0.46 mg/kg	0.000046 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.8 mg/kg	3.22	2.372 mg/kg	0.000237 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		57.7 mg/kg	1.462	77.654 mg/kg	0.00777 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		**<LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		33 mg/kg	1.252	38.037 mg/kg	0.0038 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	15 mg/kg		13.812 mg/kg	0.00138 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		9.8 mg/kg	2.637	23.793 mg/kg	0.00238 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		**<LOD**
12	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]		20 mg/kg	4.398	80.993 mg/kg	0.0081 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		0.005	mg/kg		0.0046	mg/kg	0.00000046 %	✓	
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		8.82	pH		8.82	pH	8.82 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		0.08	mg/kg		0.0737	mg/kg	0.00000737 %	✓	
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		0.04	mg/kg		0.0368	mg/kg	0.00000368 %	✓	
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		12	mg/kg	1.785	19.726	mg/kg	0.00197 %	✓	
											Total:	0.0305 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

toluene (conc.: 4.6e-07%)

Classification of sample: WS113-10/12/2024-1.50-1.60m

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

Sample details

Sample name:
WS113-10/12/2024-1.50-1.60m
Moisture content:
6.5%
(dry 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: 6.5% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		9.3 mg/kg		8.732 mg/kg	0.000873 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		0.6 mg/kg		0.563 mg/kg	0.0000563 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.2 mg/kg	3.22	0.605 mg/kg	0.0000605 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		57.1 mg/kg	1.462	78.361 mg/kg	0.00784 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		8 mg/kg	1.252	9.403 mg/kg	0.00094 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	7 mg/kg		6.573 mg/kg	0.000657 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		14.3 mg/kg	2.637	35.403 mg/kg	0.00354 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		25 mg/kg	4.398	103.238 mg/kg	0.0103 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group				<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
				TPH									
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH				7.97	pH		7.97	pH	7.97 pH		
				PH									
21		naphthalene				<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-917-1	208-96-8									
23		acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
			201-469-6	83-32-9									
24		fluorene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			201-695-5	86-73-7									
25		phenanthrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			201-581-5	85-01-8									
26		anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			204-371-1	120-12-7									
27		fluoranthene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			205-912-4	206-44-0									
28		pyrene				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
			204-927-3	129-00-0									
29		benzo[a]anthracene				<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
			205-883-8	191-24-2									
37		phenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-001-00-2	203-632-7	108-95-2									
38		1,1-dichloroethane and 1,2-dichloroethane (combined)				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			203-458-1, 200-863-5	107-06-2, 75-34-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				0.02	mg/kg		0.0188	mg/kg	0.00000188 %	✓	
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				19	mg/kg	1.785	31.848	mg/kg	0.00318 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				0.006	mg/kg		0.0056	mg/kg	0.000000563 %	✓	
		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]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										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

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3] (conc.: 5.63e-07%)

Classification of sample: CP101-10/12/2024-0.30-0.40m

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

Sample details

Sample name:
CP101-10/12/2024-0.30-0.40m
Moisture content:
20.3%
(dry 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: 20.3% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		16.2 mg/kg		13.466 mg/kg	0.00135 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.6 mg/kg		1.33 mg/kg	0.000133 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.1 mg/kg	3.22	2.944 mg/kg	0.000294 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.2 mg/kg		0.166 mg/kg	0.0000166 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		57.5 mg/kg	1.462	69.858 mg/kg	0.00699 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<LOD
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		37 mg/kg	1.252	38.5 mg/kg	0.00385 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	96 mg/kg		79.8 mg/kg	0.00798 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.6 mg/kg		0.499 mg/kg	0.0000499 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		20 mg/kg	2.637	43.835 mg/kg	0.00438 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<LOD
12	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]		116 mg/kg	4.398	424.073 mg/kg	0.0424 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		234	mg/kg		194.514	mg/kg	0.0195 %	✓	
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		603-181-00-X	216-653-1	1634-04-4									
15		benzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-020-00-8	200-753-7	71-43-2									
16		toluene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-021-00-3	203-625-9	108-88-3									
17		ethylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
		601-023-00-4	202-849-4	100-41-4									
18		xylene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
19		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 }				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
		006-007-00-5											
20		pH		PH		8	pH		8	pH	8pH		
21		naphthalene				0.06	mg/kg		0.0499	mg/kg	0.00000499 %	✓	
		601-052-00-2	202-049-5	91-20-3									
22		acenaphthylene				0.08	mg/kg		0.0665	mg/kg	0.00000665 %	✓	
			205-917-1	208-96-8									
23		acenaphthene				0.06	mg/kg		0.0499	mg/kg	0.00000499 %	✓	
			201-469-6	83-32-9									
24		fluorene				0.07	mg/kg		0.0582	mg/kg	0.00000582 %	✓	
			201-695-5	86-73-7									
25		phenanthrene				0.84	mg/kg		0.698	mg/kg	0.0000698 %	✓	
			201-581-5	85-01-8									
26		anthracene				0.29	mg/kg		0.241	mg/kg	0.0000241 %	✓	
			204-371-1	120-12-7									
27		fluoranthene				3.55	mg/kg		2.951	mg/kg	0.000295 %	✓	
			205-912-4	206-44-0									
28		pyrene				3.58	mg/kg		2.976	mg/kg	0.000298 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				2.02	mg/kg		1.679	mg/kg	0.000168 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				2.3	mg/kg		1.912	mg/kg	0.000191 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				2.93	mg/kg		2.436	mg/kg	0.000244 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				1.14	mg/kg		0.948	mg/kg	0.0000948 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				2.74	mg/kg		2.278	mg/kg	0.000228 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34		indeno[123-cd]pyrene				1.42	mg/kg		1.18	mg/kg	0.000118 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.19	mg/kg		0.158	mg/kg	0.0000158 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36		benzo[ghi]perylene				1.34	mg/kg		1.114	mg/kg	0.000111 %	✓	
			205-883-8	191-24-2									
37		vanadium { divanadium pentaoxide; vanadium pentoxide }				34	mg/kg	1.785	50.454	mg/kg	0.00505 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
										Total:	0.0942 %		

Key	
	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated 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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group (conc.: 0.0195%)

Classification of sample: CP104-09/12/2024-0.40-0.50m

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

Sample details

Sample name:
CP104-09/12/2024-0.40-0.50m
Moisture content:
14.8%
(dry 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: 14.8% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		32.5 mg/kg		28.31 mg/kg	0.00283 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		2.4 mg/kg		2.091 mg/kg	0.000209 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		1.3 mg/kg	3.22	3.646 mg/kg	0.000365 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		61.6 mg/kg	1.462	78.425 mg/kg	0.00784 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		69 mg/kg	1.252	75.237 mg/kg	0.00752 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	99 mg/kg		86.237 mg/kg	0.00862 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		40.5 mg/kg	2.637	93.019 mg/kg	0.0093 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		82 mg/kg	4.398	314.138 mg/kg	0.0314 %	✓	

#		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									
13		TPH (C6 to C40) petroleum group		TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4	<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2	<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3	0.01	mg/kg		0.0087	mg/kg	0.000000871 %	✓	
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4	0.011	mg/kg		0.0095	mg/kg	0.000000958 %	✓	
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	0.154	mg/kg		0.134	mg/kg	0.0000134 %	✓	
19		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			2.4	mg/kg	1.884	3.939	mg/kg	0.000394 %	✓	
20		pH		PH		9.29	pH		9.29	pH	9.29 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3	0.16	mg/kg		0.139	mg/kg	0.0000139 %	✓	
22		acenaphthylene		205-917-1	208-96-8	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8	0.1	mg/kg		0.0871	mg/kg	0.00000871 %	✓	
26		anthracene		204-371-1	120-12-7	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0	<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9	<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2	<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2	<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3	<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<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									
39		tetrachloroethylene				0.008	mg/kg		0.0069	mg/kg	0.000000697 %	✓	
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				0.037	mg/kg		0.0322	mg/kg	0.00000322 %	✓	
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				0.005	mg/kg		0.0043	mg/kg	0.000000436 %	✓	
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				0.013	mg/kg		0.0113	mg/kg	0.00000113 %	✓	
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				0.336	mg/kg		0.293	mg/kg	0.0000293 %	✓	
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				0.099	mg/kg		0.0862	mg/kg	0.00000862 %	✓	
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				64	mg/kg	1.785	99.523	mg/kg	0.00995 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										Total:	0.0828 %		

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: 10000 mg/kg (1%) because: Not high enough concentration to be flammable.

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

toluene (conc.: 8.71e-07%)
ethylbenzene (conc.: 9.58e-07%)

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

Because of determinands:

xylene (conc.: 0.00001%)
mesitylene; 1,3,5-trimethylbenzene (conc.: 4.36e-07%)
1,2,4-trimethylbenzene (conc.: 1.13e-06%)

Classification of sample: WS112-09/12/2024-0.20-0.30m

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

Sample details

Sample name:
WS112-09/12/2024-0.20-0.30m
Moisture content:
9.5%
(dry 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: 9.5% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		4.6 mg/kg		4.201 mg/kg	0.00042 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<**LOD**
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.4 mg/kg	3.22	1.176 mg/kg	0.000118 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	0.7 mg/kg		0.639 mg/kg	0.0000639 %	✓	
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		18.5 mg/kg	1.462	24.693 mg/kg	0.00247 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		15 mg/kg	1.252	17.148 mg/kg	0.00171 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	16 mg/kg		14.612 mg/kg	0.00146 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		7.3 mg/kg	2.637	17.578 mg/kg	0.00176 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		51 mg/kg	4.398	204.835 mg/kg	0.0205 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		10.26	pH		10.26	pH	10.26 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		0.08	mg/kg		0.0731	mg/kg	0.00000731 %	✓	
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.12	mg/kg		0.11	mg/kg	0.000011 %	✓	
28		pyrene		204-927-3	129-00-0		0.11	mg/kg		0.1	mg/kg	0.00001 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.09	mg/kg		0.0822	mg/kg	0.00000822 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.13	mg/kg		0.119	mg/kg	0.0000119 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.08	mg/kg		0.0731	mg/kg	0.00000731 %	✓	
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.03	mg/kg		0.0274	mg/kg	0.00000274 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.07	mg/kg		0.0639	mg/kg	0.00000639 %	✓	
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<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									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				0.03	mg/kg		0.0274	mg/kg	0.00000274 %	✓	
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				0.022	mg/kg		0.0201	mg/kg	0.00000201 %	✓	
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				0.333	mg/kg		0.304	mg/kg	0.0000304 %	✓	
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				9	mg/kg	1.785	14.673	mg/kg	0.00147 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										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: WS112-09/12/2024-0.70-0.80m

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

Sample details

Sample name:
WS112-09/12/2024-0.70-0.80m
Moisture content:
15.6%
(dry 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: 15.6% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		19.1 mg/kg		16.522 mg/kg	0.00165 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.2 mg/kg		1.038 mg/kg	0.000104 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.4 mg/kg	3.22	1.114 mg/kg	0.000111 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		47.1 mg/kg	1.462	59.55 mg/kg	0.00595 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		11 mg/kg	1.252	11.911 mg/kg	0.00119 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	19 mg/kg		16.436 mg/kg	0.00164 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		16.1 mg/kg	2.637	36.722 mg/kg	0.00367 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		<1 mg/kg	2.351	<2.351 mg/kg	<0.000235 %		<**LOD**
12	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]		49 mg/kg	4.398	186.417 mg/kg	0.0186 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		7.43	pH		7.43	pH	7.43 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		0.09	mg/kg		0.0779	mg/kg	0.00000779 %	✓	
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.16	mg/kg		0.138	mg/kg	0.0000138 %	✓	
28		pyrene		204-927-3	129-00-0		0.16	mg/kg		0.138	mg/kg	0.0000138 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		0.12	mg/kg		0.104	mg/kg	0.0000104 %	✓	
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.12	mg/kg		0.104	mg/kg	0.0000104 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		0.12	mg/kg		0.104	mg/kg	0.0000104 %	✓	
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		0.04	mg/kg		0.0346	mg/kg	0.00000346 %	✓	
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.09	mg/kg		0.0779	mg/kg	0.00000779 %	✓	
34		indeno[123-cd]pyrene		205-893-2	193-39-5		0.06	mg/kg		0.0519	mg/kg	0.00000519 %	✓	
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		0.07	mg/kg		0.0606	mg/kg	0.00000606 %	✓	
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<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									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				0.055	mg/kg		0.0476	mg/kg	0.00000476 %	✓	
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				29	mg/kg	1.785	44.784	mg/kg	0.00448 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										Total:	0.0419 %		

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: CP103-09/12/2024-0.30-0.40m

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

Sample details

Sample name:
CP103-09/12/2024-0.30-0.40m
Moisture content:
24.5%
(dry 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: 24.5% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		15.6 mg/kg		12.53 mg/kg	0.00125 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.5 mg/kg		1.205 mg/kg	0.00012 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.9 mg/kg	3.22	2.328 mg/kg	0.000233 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		**<LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		67.2 mg/kg	1.462	78.889 mg/kg	0.00789 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		**<LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		32 mg/kg	1.252	32.174 mg/kg	0.00322 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	47 mg/kg		37.751 mg/kg	0.00378 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	4 mg/kg		3.213 mg/kg	0.000321 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		32 mg/kg	2.637	67.77 mg/kg	0.00678 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		2 mg/kg	2.351	3.777 mg/kg	0.000378 %	✓	
12	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]		165 mg/kg	4.398	582.858 mg/kg	0.0583 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.011	mg/kg		<0.011	mg/kg	<0.0000011 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		8.32	pH		8.32	pH	8.32 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.027	mg/kg		<0.027	mg/kg	<0.0000027 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		0.05	mg/kg		0.0402	mg/kg	0.00000402 %	✓	
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		0.07	mg/kg		0.0562	mg/kg	0.00000562 %	✓	
28		pyrene		204-927-3	129-00-0		0.06	mg/kg		0.0482	mg/kg	0.00000482 %	✓	
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		0.06	mg/kg		0.0482	mg/kg	0.00000482 %	✓	
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.05	mg/kg		0.0402	mg/kg	0.00000402 %	✓	
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
38		1,1-dichloroethane and 1,2-dichloroethane (combined)		203-458-1, 200-863-5	107-06-2, 75-34-3		<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<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									
39		tetrachloroethylene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-028-00-4	204-825-9	127-18-4									
40		carbon tetrachloride; tetrachloromethane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-008-00-5	200-262-8	56-23-5									
41		trichloroethylene; trichloroethene				0.005	mg/kg		0.004	mg/kg	0.000000402 %	✓	
		602-027-00-9	201-167-4	79-01-6									
42		vinyl chloride; chloroethylene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-023-00-7	200-831-0	75-01-4									
43		hexachlorobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-065-00-6	204-273-9	118-74-1									
44		dichlorodifluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-893-9	75-71-8									
45		chloromethane; methyl chloride				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-001-00-7	200-817-4	74-87-3									
46		bromomethane; methylbromide				<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-002-00-2	200-813-2	74-83-9									
47		chloroethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-009-00-0	200-830-5	75-00-3									
48		trichlorofluoromethane				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
			200-892-3	75-69-4									
49		1,1-dichloroethylene; vinylidene chloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-025-00-8	200-864-0	75-35-4									
50		dichloromethane; methylene chloride				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-004-00-3	200-838-9	75-09-2									
51		2,2-dichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			209-832-0	594-20-7									
52		bromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-826-3	74-97-5									
53		chloroform; trichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-006-00-4	200-663-8	67-66-3									
54		1,1,1-trichloroethane; methyl chloroform				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-013-00-2	200-756-3	71-55-6									
55		1,1-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-031-00-0	209-253-3	563-58-6									
56		1,2-dichloropropane; propylene dichloride				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		602-020-00-0	201-152-2	78-87-5									
57		dibromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-003-00-8	200-824-2	74-95-3									
58		bromodichloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			200-856-7	75-27-4									
59		1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]									
60		trans-1,3-dichloropropene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			431-460-4	10061-02-6									
61		1,1,2-trichloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-014-00-8	201-166-9	79-00-5									
62		1,3-dichloropropane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			205-531-3	142-28-9									
63		dibromochloromethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			204-704-0	124-48-1									
64		1,2-dibromoethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-010-00-6	203-444-5	106-93-4									
65		chlorobenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-033-00-1	203-628-5	108-90-7									
66		1,1,1,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
			211-135-1	630-20-6									
67		bromoform; tribromomethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-007-00-X	200-854-6	75-25-2									

#		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									
68		cumene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-024-00-X	202-704-5	98-82-8									
69		1,1,2,2-tetrachloroethane				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		602-015-00-3	201-197-8	79-34-5									
70		bromobenzene				<0.002	mg/kg		<0.002	mg/kg	<0.0000002 %		<LOD
		602-060-00-9	203-623-8	108-86-1									
71		1,2,3-trichloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-062-00-X	202-486-1	96-18-4									
72		propylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-097-00-8	203-132-9	103-65-1									
73		mesitylene; 1,3,5-trimethylbenzene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-025-00-5	203-604-4	108-67-8									
74		tert-butylbenzene				<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
			202-632-4	98-06-6									
75		1,2,4-trimethylbenzene				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<LOD
		601-043-00-3	202-436-9	95-63-6									
76		sec-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			205-227-0	135-98-8									
77		1-isopropyl-4-methylbenzene; p-cymene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		601-094-00-1	202-796-7	99-87-6									
78		1,3-dichlorbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-067-00-7	208-792-1	541-73-1									
79		1,4-dichlorobenzene; p-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-035-00-2	203-400-5	106-46-7									
80		n-butylbenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			203-209-7	104-51-8									
81		1,2-dichlorobenzene; o-dichlorobenzene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-034-00-7	202-425-9	95-50-1									
82		1,2-dibromo-3-chloropropane				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
		602-021-00-6	202-479-3	96-12-8									
83		1,2,4-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
		602-087-00-6	204-428-0	120-82-1									
84		hexachlorobutadiene				<0.004	mg/kg		<0.004	mg/kg	<0.0000004 %		<LOD
			201-765-5	87-68-3									
85		1,2,3-trichlorobenzene				<0.007	mg/kg		<0.007	mg/kg	<0.0000007 %		<LOD
			201-757-1	87-61-6									
86		styrene				<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		601-026-00-0	202-851-5	100-42-5									
87		2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<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]									
88		2-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-857-5	88-75-5									
89		2,4-dichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-011-00-7	204-429-6	120-83-2									
90		3,4-xylenol; [1] 2,5-xylenol; [2] 2,4-xylenol; [3] 2,3-xylenol; [4] 2,6-xylenol; [5] xylenol; [6] 2,4(or 2,5)-xylenol [7]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]									
91		2,4,5-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-017-00-X	202-467-8	95-95-4									
92		2,4,6-trichlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-018-00-5	201-795-9	88-06-2									

#		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									
93		chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-014-00-3	200-431-6	59-50-7									
94		4-nitrophenol; p-nitrophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-015-00-2	202-811-7	100-02-7									
95		pentachlorophenol				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		604-002-00-8	201-778-6	87-86-5									
96		2-chloronaphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-079-9	91-58-7									
97		2-methyl naphthalene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-078-3	91-57-6									
98		bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-317-00-9	204-211-0	117-81-7									
99		BBP; benzyl butyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-430-00-3	201-622-7	85-68-7									
100		dibutyl phthalate; DBP				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		607-318-00-4	201-557-4	84-74-2									
101		di-n-octyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			204-214-7	117-84-0									
102		diethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			201-550-6	84-66-2									
103		dimethyl phthalate				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
			205-011-6	131-11-3									
104		2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]									
105		2,6-dinitrotoluene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-049-00-8	210-106-0	606-20-2									
106		4-bromophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			202-952-4	101-55-3									
107		4-chloroaniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-137-00-9	203-401-0	106-47-8									
108		4-chlorophenylphenylether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			230-281-7	7005-72-3									
109		azobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		611-001-00-6	203-102-5	103-33-3									
110		bis(2-chloroethoxy)methane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			203-920-2	111-91-1									
111		bis(2-chloroethyl) ether				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		603-029-00-2	203-870-1	111-44-4									
112		carbazole				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			201-696-0	86-74-8									
113		dibenzofuran				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			205-071-3	132-64-9									
114		hexachlorocyclopentadiene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		602-078-00-7	201-029-3	77-47-4									
115		hexachloroethane				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
			200-666-4	67-72-1									
116		3,5,5-trimethylcyclohex-2-enone; isophorone				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		606-012-00-8	201-126-0	78-59-1									
117		nitrosodipropylamine				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-098-00-8	210-698-0	621-64-7									
118		nitrobenzene				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		609-003-00-7	202-716-0	98-95-3									
119		2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		603-096-00-8	203-961-6	112-34-5									
120		aniline				<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
		612-008-00-7	200-539-3	62-53-3									

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
121		vanadium { divanadium pentaoxide; vanadium pentoxide }				52	mg/kg	1.785	74.562	mg/kg	0.00746 %	✓	
		023-001-00-8	215-239-8	1314-62-1									
122		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**LOD**
		602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]									
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006	mg/kg		<0.006	mg/kg	<0.0000006 %		<**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]									
124		m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<**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]									
125		o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<**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]									
										Total:	0.0939 %		

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: CP103-09/12/2024-0.50-0.60m

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

Sample details

Sample name:
CP103-09/12/2024-0.50-0.60m
Moisture content:
21.9%
(dry 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: 21.9% Dry 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	arsenic { arsenic }	033-001-00-X	231-148-6	7440-38-2		19 mg/kg		15.587 mg/kg	0.00156 %	✓	
2	beryllium { beryllium }	004-001-00-7	231-150-7	7440-41-7		1.3 mg/kg		1.066 mg/kg	0.000107 %	✓	
3	boron { diboron trioxide }	005-008-00-8	215-125-8	1303-86-2		0.6 mg/kg	3.22	1.585 mg/kg	0.000158 %	✓	
4	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }	048-001-00-5			1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<**LOD**
5	chromium in chromium(III) compounds { chromium(III) oxide }		215-160-9	1308-38-9		52.1 mg/kg	1.462	62.467 mg/kg	0.00625 %	✓	
6	chromium in chromium(VI) compounds { chromium(VI) oxide }	024-001-00-0	215-607-8	1333-82-0		<0.3 mg/kg	1.923	<0.577 mg/kg	<0.0000577 %		<**LOD**
7	copper { copper(II) oxide }	029-016-00-6	215-269-1	1317-38-0		6 mg/kg	1.252	6.161 mg/kg	0.000616 %	✓	
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	12 mg/kg		9.844 mg/kg	0.000984 %	✓	
9	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }	080-002-00-6			1	0.2 mg/kg		0.164 mg/kg	0.0000164 %	✓	
10	nickel { nickel sulfate }	028-009-00-5	232-104-9	7786-81-4		29.6 mg/kg	2.637	64.025 mg/kg	0.0064 %	✓	
11	selenium { nickel(II) selenite }	028-048-00-8	233-263-7	10101-96-9		3 mg/kg	2.351	5.786 mg/kg	0.000579 %	✓	
12	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]		172 mg/kg	4.398	620.544 mg/kg	0.0621 %	✓	

#		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
13		TPH (C6 to C40) petroleum group			TPH		<38	mg/kg		<38	mg/kg	<0.0038 %		<LOD
14		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
15		benzene	601-020-00-8	200-753-7	71-43-2		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
16		toluene	601-021-00-3	203-625-9	108-88-3		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
17		ethylbenzene	601-023-00-4	202-849-4	100-41-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
18		xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
19		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				<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
20		pH			PH		7.57	pH		7.57	pH	7.57 pH		
21		naphthalene	601-052-00-2	202-049-5	91-20-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
22		acenaphthylene		205-917-1	208-96-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
23		acenaphthene		201-469-6	83-32-9		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
24		fluorene		201-695-5	86-73-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
25		phenanthrene		201-581-5	85-01-8		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
26		anthracene		204-371-1	120-12-7		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
27		fluoranthene		205-912-4	206-44-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
28		pyrene		204-927-3	129-00-0		<0.03	mg/kg		<0.03	mg/kg	<0.000003 %		<LOD
29		benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3		<0.06	mg/kg		<0.06	mg/kg	<0.000006 %		<LOD
30		chrysene	601-048-00-0	205-923-4	218-01-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
31		benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
32		benzo[k]fluoranthene	601-036-00-5	205-916-6	207-08-9		<0.02	mg/kg		<0.02	mg/kg	<0.000002 %		<LOD
33		benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
34		indeno[123-cd]pyrene		205-893-2	193-39-5		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
35		dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
36		benzo[ghi]perylene		205-883-8	191-24-2		<0.04	mg/kg		<0.04	mg/kg	<0.000004 %		<LOD
37		vanadium { divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		47	mg/kg	1.785	68.83	mg/kg	0.00688 %	✓	
											Total:	0.0896 %		

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

- **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

- **cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex**

GB MCL index number: 048-001-00-5
Description/Comments: Worst Case: IARC considers cadmium compounds 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

- **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

- **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

- **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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

dichlorodifluoromethane (EC Number: 200-893-9, CAS Number: 75-71-8)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Aquatic Chronic 3; H412 , Ozone 1; H420 , Press. Gas; H280

trichlorofluoromethane (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Ozone 1; H420

2,2-dichloropropane (EC Number: 209-832-0, CAS Number: 594-20-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Acute Tox. 4; H312 , Eye Irrit. 2; H319

bromochloromethane (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H312 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Ozone 1; H420

bromodichloromethane (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

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

1,3-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

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

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

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

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

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

hexachlorobutadiene (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

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

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

2-chloronaphthalene (EC Number: 202-079-9, CAS Number: 91-58-7)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

2-methyl naphthalene (EC Number: 202-078-3, CAS Number: 91-57-6)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

di-n-octyl phthalate (EC Number: 204-214-7, CAS Number: 117-84-0)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Repr. 2; H361 , Skin Sens. 1; H317 , Resp. Sens. 1; H334 , Eye Irrit. 2; H319 , Aquatic Chronic 4; H413

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

4-bromophenylphenylether (EC Number: 202-952-4, CAS Number: 101-55-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

4-chlorophenylphenylether (EC Number: 230-281-7, CAS Number: 7005-72-3)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

bis(2-chloroethoxy)methane (EC Number: 203-920-2, CAS Number: 111-91-1)

Description/Comments: VOC; Data from C&L Inventory Database
Data source: https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 02 Mar 2017
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

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

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

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

Appendix B: Rationale for selection of metal species

arsenic {arsenic}

Most reasonable worst case.

beryllium {beryllium}

Most reasonable worst case.

boron {diboron trioxide}

Most reasonable worst case.

cadmium {cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex}

Most reasonable worst case.

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

Most reasonable worst case.

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

Most reasonable worst case.

copper {copper(II) oxide}

Most reasonable worst case.

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Most reasonable worst case.

mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}

Most likely worst case.

nickel {nickel sulfate}

Most reasonable worst case.

selenium {nickel(II) selenite}

Most reasonable worst case.

zinc {zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2]}

Most reasonable worst case.

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}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide]

vanadium {divanadium pentaoxide; vanadium pentoxide}

Metal species.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021
HazWasteOnline Classification Engine Version: 2025.24.6453.11761 (25 Jan 2025)
HazWasteOnline Database: 2025.24.6453.11761 (25 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

Appendix H Geotechnical risk register

Geotechnical Hazard Identification – Following Ground Investigation

The probability and impact of a hazard have been judged on a qualitative scale as set out in Table J.2. The degree of risk (R) is determined by combining tan assessment of the probability (P) of the hazard occurring with an assessment of the impact (I) of the hazard and associated mitigation it will require if it occurs (R = P x I).

Table I.1: Qualitative assessment of hazards and risks

P = Probability		I = Impact		R = Risk Rating (P x I)	
1	Very unlikely (VU)	1	Very Low	1 – 4	None / negligible
2	Unlikely (U)	2	Low	5 – 9	Minor
3	Plausible (P)	3	Medium	10 – 14	Moderate
4	Likely (Lk)	4	High	15 – 19	Substantial
5	Very Likely (VLk)	5	Very High	20 - 25	Severe

Table I.2: Geotechnical Risk Register

Hazard	Comments	Who is at Risk	Consequence	Risk Before Mitigation			Actions Required
				P	I	R	
Uncontrolled Made Ground (variable strength and compressibility).	There is Made Ground due to historical construction activity at the site.	Commercial buildings	Bearing capacity failure, settlement (total and differential).	3	4	12	Design foundations to found below Made Ground or on Made Ground which has been improved.
		Roads and Pavements.	Settlement (total and differential) of roads and pavements.	3	2	6	Design roads and pavements using suitable geotechnical parameters and increase the sub-base and use geo-grids as appropriate.
		Services.	Settlement (differential), causing damage to services.	1	2	2	Given the shallow depth of Made Ground services will likely be installed in the medium dense sands of the Glaciofluvial Deposits, settlement is not anticipated to pose a risk to services.
		Construction staff, vehicles and plant operators.	Trafficking of the site in temporary conditions. Overturning of plant during construction.	3	3	9	Where soft spots or loose spots are encountered, over-excavation and replacement with suitable fill. Outline design of working platform to include geo-grid. Site inspection and watching brief by Contractor to review working platform frequently and regularly.
Soft / loose ground (low strength and high settlement potential).	The shallow natural soils comprise Glaciofluvial Sheet deposits which consist of and sand and gravel locally with a loose relative density.	Commercial Buildings	Foundation bearing capacity failure, settlement (total and differential).	3	4	12	Locally the shallow sands of the Glaciofluvial Sheet Deposits are loose in CP103 and therefore pad foundation will require deepening into the medium dense sands.
			Floor slab failure.	2	4	8	It anticipated the natural sands will be capable of supporting a ground bearing floor slab. Loose area may require additional proof rolling.
		Roads and Pavements.	Settlement (total and differential), of roads and pavements.	3	3	9	Design roads and pavements using suitable geotechnical parameters and increase the sub-base and use geo-grids as appropriate. If anticipated settlements are significant, and cannot be mitigated by design, over-excavate and replace soft soils.
		Construction staff, vehicles and plant operators.	Trafficking of the site in temporary conditions. Overturning of plant during construction.	3	3	9	Where soft spots or loose spots are encountered, over-excavate and replace with suitable fill. Design working platform to suit the ground conditions. Site inspection and watching brief by Contractor to review working platform frequently and regularly.

Hazard	Comments	Who is at Risk	Consequence	Risk Before Mitigation			Actions Required
				P	I	R	
Shrinkage / swelling of the clay fraction of soils under the influence of vegetation.	The cohesive Glacial Till are at depths of 3.0m bgl whereby they are not considered to have been impacted by desiccation.	Foundations.	Shrinkage or heave of soils and associated damage to foundations.	2	3	6	No further action required as pad foundations will be founded in the granular and considering the depth of cohesive soils they are not considered to have been impacted by desiccation.
		Floor slabs.	Floor slab failure.	1	4	4	It anticipated the natural sands will be capable of supporting a ground bearing floor slab.
Sulphates present in the soils.	The ground investigation has proven that there is unlikely to be the potential for expansive sulphate bearing soils to be present.	Attack of buried concrete.	Damage to concrete and reduction in strength.	1	4	4	Classify concrete in accordance with BRE SD1 and design concrete accordingly.
Obstructions.	Obstructions have been proven by the investigation and there is a potential for additional obstructions to be present due to historical construction activity, or unknown fill in Made Ground.	Construction staff, vehicles and plant operators.	Risk of collapse of excavation as obstructions are pulled out.	4	3	12	Allow for a breaker to be present during construction and remove obstructions where encountered during construction.
		Roads and Pavements.	Hard spots in externals and roads / pavements.	3	2	6	
Shallow groundwater.	Monitoring during the ground investigations has proven a shallow groundwater table (at approximately 2m bgl).	Construction staff, vehicles and plant operators.	Difficulty with excavation.	3	3	9	Contractor to appoint competent Temporary Works Designer to design temporary works, in accordance with BS 5975:2008+A1:2011. Temporary Works Designer to consider in their analysis the impact of, and requirements for, de-watering of excavations. Any water that collects at the base of excavations to be removed as soon as practicable.

Hazard	Comments	Who is at Risk	Consequence	Risk Before Mitigation			Actions Required
				P	I	R	
Running sands and / or loose Made Ground, leading to difficulty with excavation and collapse of side walls.	The ground investigation has indicated that there is a potential for loose natural soils and Made Ground to be present at the site.	Construction staff, vehicles and plant operators.	Ground failure, instability of plant and machinery.	3	4	12	Contractor to appoint competent Temporary Works Designer to design temporary works, in accordance with BS 5975:2008+A1:2011. Temporary Works Design to include recommendations for inspection of excavations. No person entry to unsupported excavations.
			Risk of collapse of excavation.	4	3	12	
Unforeseen ground conditions.	Additional information will be obtained during construction. Ground conditions are only defined at exploratory hole locations.	All aspects of the development		3	4	12	Designers to be contacted if conditions encountered are different to those identified during investigation. Regular inspections of excavations and earthworks for evidence of stability. Adequate investigation required to characterise the site and understand the potential risks.

Whilst the probability and impact of the hazard occurring can be reduced to a minimum by geotechnical design, the impact cannot be reduced below very low. The risk register will need to be up-dated, as necessary, to reflect design, additional information, data and experience as it is gained through the construction process.

Impacts of the design with regard to health and Safety considerations will need to be included by the designer at design stage.

Appendix I Plausible source-pathway-receptor contaminant linkages

Summary of potential contaminant linkages

Table K.2 lists the plausible contaminant linkages which have been identified. These are considered as potentially unacceptable risks in line with guidelines published in LCRM (2023) and additional risk assessment is required.

Source – Pathway – Receptor Linkages have been assessed in general accordance with guidance in CIRIA Report C552 (Rudland *et al* 2001) but modified to add a 'no linkage' category and to remove low/moderate risk (See Table K.1).

It should be noted that whilst the risk assessment process undertaken in this report may identify potential risks to site demolition and redevelopment workers, consideration of occupational health and safety issues is beyond the scope of this report and need to be considered separately in the Construction Phase Health and Safety Plan.

Table J.1: Consequence versus probability assessment.

		Consequence			
Probability		Severe	Medium	Mild	Minor
	High Likelihood	Very high risk	High risk	Moderate risk	Low risk
	Likely	High risk	Moderate risk	Low risk	Very low risk
	Low Likelihood	Moderate risk	Low risk	Low risk	Very low risk
	Unlikely	Low risk	Very low risk	Very low risk	Very low risk
	No Linkage	No risk			

Table J.2: Exposure model – final source-pathway-receptor contaminant linkages

Sources	Possible Pathways	Receptors	Probability	Consequence	Risk Level	Comments
Made Ground associated with current and historical use of site, possibly including contamination resulting from leaks and spills of oils, hydrocarbon and solvents and PFAS.	Ingestion, inhalation or direct contact.	Site users.	Low Likelihood	Medium	Low	The ground investigation found only an isolated hotspot of PAHs which will remain below hardstanding. All other determinands were either below the laboratory detection limits of GACs. The chlorinated solvents in the soils are at low levels and in the groundwater at low levels which are not considered to pose a vapour risk The risks posed by non-volatile contaminants will be mitigated by the presence of hard surfacing across the site which will break the exposure pathway.
	Leaching/ migration through unsaturated zone.	Secondary A aquifer	Low likelihood	Medium	Low	The made ground is unsaturated and the site will be covered by hard surfacing with a surface water drainage network. Therefore, there will be limited infiltration of rainfall and leaching is expected to be minimal.
Groundwater impacted by chlorinated hydrocarbons	Lateral transport in groundwater	River Mersey	Low likelihood	Medium	Low	Given the low concentration of chlorinated solvents in the shallow groundwater which are below the WQT in the deeper groundwater remediation of the groundwater is considered unnecessary. The shallow groundwater is unlikely to be in direct hydraulic continuity with the River Mersey due to the clayey soils east limiting horizontal flow, suggesting the Glaciofluvial Sheet Deposits pinch out to the east. Downgradient boreholes in the deep groundwater contained chlorinated solvents below the WQT.
Ground gases (methane) from nearby landfill	Migration, build up and explosion.	Site users. Neighbours. Buildings on site. Buildings on adjacent sites.	Unlikely	Severe	Low	Ground gas monitoring has indicated no concentrations of carbon dioxide above 5% or methane above 1%. There were low flows and gas screening values were calculated as CS1. Worst case conditions have been monitored during the 3rd visit therefore results are considered reflective of worst case falls in atmospheric pressure. CS1 conditions and no mitigation required for methane.

Sources	Possible Pathways	Receptors	Probability	Consequence	Risk Level	Comments
Asbestos-containing materials in the buildings and Made Ground.	Fugitive dust (during construction).	Construction workers	Likely	Severe	High	Asbestos is confirmed be present in existing buildings and in Made Ground. Any ACM encountered during breaking out of hardstanding will need to be handpicked and removed from site. Manage soils in accordance with CAR SOILS 2012.
		Neighbours.	Unlikely	Severe	Low	Liaison with an asbestos specialist in relation to the hand picking of ACMs during the removal of the existing hardstanding and production of a letter outlining works to be provided to the LPA for approval; Careful removal will be required from buildings during demolition. However, removal under controlled conditions should limit release of fibres to the air and the ground.
Asbestos fibres in soil or occasional asbestos-containing materials in the Made Ground	Inhalation of fugitive dust.	Site users	Unlikely	Severe	Low	The risks to site users will be mitigated by the presence of hard surfacing across the site which will break the exposure pathway.