

Contamination Assessment Letter Report

East Horton Business Park, Knowle Lane, Fair Oak, SO50 7DZ

On behalf of Parsons Construction Ltd

Report Reference: GWPR5501/CAR/August 2023			Status: Final
Issue	Prepared By	Checked By	Approved By
V1.01			
	Alex Stratford BSc (Hons) MSc Engineer	Miltiadis Mellios MSc(Eng) GMICE FGS MEnvSc Principal Engineer	Francis Williams MGeol (Hons) FGS CEnv CGeol Director

Contamination Assessment Letter Report

REPORT REFERENCE	The conditions and limitations of this Contamination assessment report can be viewed within Appendix A. A technical glossary has also been provided within Appendix B.
SCOPE OF WORKS	The investigation was to be undertaken to provide details regarding the extent of any contamination across the site due to an independent review undertaken by The Environment Protection Group. The additional site works were to comprise machine excavated trial pits with contamination testing being undertaken across all the trial pits. The aim of the investigation was to prove the depth, composition and chemical composition of the Made Ground and extend approximately 300mm into the natural soils. The techniques adopted for the investigation were chosen considering the requirements of the client, anticipated ground conditions, and bearing in mind the nature of the site, limitations to site access and other logistical limitations. No Phase 1 desk study report has been completed as part of the reporting process and no conceptual site model has been completed. A Groundwater risk assessment has been undertaken based on soil samples and the general setting of the site. This however did not include review of datasheets (e.g. groundsure) or a CSM. No Groundwater samples have been undertaken as part of the site works. A Ground Gas Risk Assessment, vapor risk assessment or radon specific details were beyond the remit of this report and therefore have not been undertaken as part of this report. Some factual information however is presented in this report. Ground and Water have undertaken a previous set of works and have produced a Geotechnical report referenced GWPR5317/April 2023. This report should be read in conjunction with the previously issued report.
SITE DETAILS	The site comprised a ~8,600m² roughly rectangular shaped plot of land, with a north-west to south-east orientation, situated ~100m east of Knowles Road. The site was located in Fair Oak, Eastleigh, within the county of Hampshire. A site location plan has been provided within Figure 1. The site mainly composed of hardstanding, however portions of the east and northern section of the site were soft landscaping. An access road comes into the site through the north-west corner. A view of the site development area has been provided within Figure 2, with an aerial view of the site provided in Figure 3.
PROPOSED DEVELOPMENT	At the time of reporting, August 2023, the proposed development was understood to comprise the construction of 4no. general industrial buildings (Use Class B2) containing 15 separate units, including landscaping, parking and associated works.
HISTORICAL MAPPING	At the first historical maps (1868) the site formed part of a larger undeveloped plot of land, most likely agricultural fields. The sites environs consisted of a sand pit ~90m south-west, and also East Horton

Contamination Assessment Letter Report

Contamination Assessment Letter Report																				
	Farm ~250m south-east, with the rest of the environs consisting of woodland ~100m south-west, and also agricultural fields. The 1896 maps show another sand pit ~110m south-west of the site, with the site itself remaining unchanged. The next significant change is first seen in the 1963 maps, with multiple large sand pits being opened up ~170m east of the site. As well as a piggery ~100m east. The 1993 maps show a large pond has formed ~90m south-east. The only onsite change throughout the historical maps is first shown in 2003, when a track has been built through the centre of the site, running from the western to the eastern boundary. By 2010, 3 separate buildings have been built ~50m east of the site. In subsequent years, an access road was shown in the 2023 maps. No other significant changes to the site or environs were recorded. Historical maps, obtained from GroundSure, can be viewed within Appendix C.																			
ANTICIPATED GEOLOGY AND HYDROGEOLOGY	The British Geological Survey (BGS) maps and DEFRA online maps for the area suggest that the site was located on the London Clay Formation, classified as Unproductive Bedrock Strata. Based on this, it was anticipated that groundwater was perched on top of the London Clay Formation. The main groundwater table though is expected below the unproductive aquifer. A BGS borehole record in similar geology ~80m south-west of the site (ref.: SU51NW9) Drift to 1.80m bgl, overlying London Clay Formation to 4.40m bgl. No groundwater was noted.																			
SITE WORKS	Site works were undertaken on the 20th July 2023 and comprised the machine excavation of 5No. Trial Pits (TP1 – TP5) to depths of between 1.90-2.70m bgl. A selection of soil samples was taken for laboratory chemical testing. Upon completion of the site works all trial holes and/or trial pits were backfilled and made good/reinstated in relation to the surrounding area. A trial hole location plan has been provided within Figure 4.																			
ENCOUNTERED GROUND CONDITIONS	A summary of the ground conditions encountered has been summarised in the following table. The trial hole logs can be seen within Appendix D. The trial hole location plan can be seen in Figure 4. <table><tr><th colspan="4">Summary of Strata Encountered</th></tr><tr><th>Strata</th><th>Top Depth (m bgl)</th><th>Base Depth (m bgl)</th><th>Thickness (m)</th></tr><tr><td>MADE GROUND: Mid to dark brown, grey gravelly sandy SILT. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded brick, concrete, flint, bituminous material and metal.</td><td>GL</td><td>0.60-1.10</td><td>0.60-1.10</td></tr><tr><td>MADE GROUND: Dark grey, black, gravelly sandy CLAY. Sand is fine to medium. Gravel is fine to coarse sub-angular brick, ash, wood, chalk, flint, pottery and bituminous material.</td><td>0.60-1.10</td><td>1.30-2.15</td><td>0.45-1.20</td></tr></table>				Summary of Strata Encountered				Strata	Top Depth (m bgl)	Base Depth (m bgl)	Thickness (m)	MADE GROUND: Mid to dark brown, grey gravelly sandy SILT. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded brick, concrete, flint, bituminous material and metal.	GL	0.60-1.10	0.60-1.10	MADE GROUND: Dark grey, black, gravelly sandy CLAY. Sand is fine to medium. Gravel is fine to coarse sub-angular brick, ash, wood, chalk, flint, pottery and bituminous material.	0.60-1.10	1.30-2.15	0.45-1.20
Summary of Strata Encountered																				
Strata	Top Depth (m bgl)	Base Depth (m bgl)	Thickness (m)																	
MADE GROUND: Mid to dark brown, grey gravelly sandy SILT. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded brick, concrete, flint, bituminous material and metal.	GL	0.60-1.10	0.60-1.10																	
MADE GROUND: Dark grey, black, gravelly sandy CLAY. Sand is fine to medium. Gravel is fine to coarse sub-angular brick, ash, wood, chalk, flint, pottery and bituminous material.	0.60-1.10	1.30-2.15	0.45-1.20																	

Contamination Assessment Letter Report

LONDON CLAY FORMATION: Grey, yellowish brown, slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is fine to medium sub-angular of flint and fine selenite crystals.

1.30-2.15

>1.90-
>2.70

>0.50-
>0.70

It should be noted that all the trial pits were excavated down through the Made Ground and into the natural soils for contamination testing purposes. Further excavation was possible and no obstructions were recorded.

CONTAMINATION

An un-targeted set of samples (10No. Made Ground) were submitted to the accredited chemical laboratory for analysis. The results can be viewed in Appendix E. The soil Assessment Criteria can be seen in Appendix F.

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

Chemical laboratory testing indicated elevated levels of determinands exceeding the Generic Assessment Criteria (GAC) for a 'Residential with Homegrown Produce' land-use scenario.

Soil Contamination Test Results and Screening Values

Determinand	Number of Samples	Minimum Concentration (mg/kg)	Maximum Concentration (mg/kg)	Adopted Screening Value (mg/kg)	Was the adopted screening value exceeded for relevant land-use scenario?
INORGANICS					
Asbestos	10	ND	<0.001%	ND	TP3/0/30m
Cyanide (total)	10	<1	<1	24	No
Phenols	10	<0.035	0.105	760	No
METALS					
Arsenic	10	5.11	14.7	640	No
Boron	10	<1	1.77	240000	No
Cadmium	10	<0.02	0.319	190	No
Chromium (III)	10	7.88	16.6	8600	No
Chromium (Hexavalent)	10	<0.6	<0.6	33	No
Copper	10	5.74	29	68000	No
Lead	10	16	113	2300	No
Mercury	10	<0.1	<0.1	58	No
Nickel	10	5.09	20.3	980	No
Selenium	10	<1	<1	12000	No
Vanadium	10	12.7	36.1	9000	No
Zinc	10	30.7	217	730000	No
TOTAL PETROLEUM HYDROCARBONS (TPHs)					
Aliphatic >C5 - C6	10	<0.01	<0.01	3200	No
Aliphatic >C6 - C8	10	<0.01	<0.01	7800	No

Contamination Assessment Letter Report

Aliphatic >C8 - C10	10	<0.01	<0.01	2000	No
Aliphatic >C10 - C12	10	<1	3.73	9700	No
Aliphatic >C12 - C16	10	<1	26.4	59000	No
Aliphatic >C16 - C21	10	<1	51.1	1600000	No
Aliphatic >C21 - C35	10	<1	17.2		No
Aliphatic >C35 - C44	10	<1	6.9	1600000	No
Aromatic >C5 - C7	10	<0.01	<0.01	26000	No
Aromatic >C7 - C8	10	<0.01	<0.01	56000	No
Aromatic >C8 - C10	10	<0.01	<0.01	3500	No
Aromatic >C10 - C12	10	<1	5.61	16000	No
Aromatic >C12 - C16	10	<1	14.2	36000	No
Aromatic >C16 - C21	10	<1	725	28000	No
Aromatic >C21 - C35	10	2.09	311	28000	No
Benzene	10	<0.002	<0.002	27	No
Toluene	10	<0.01	0.00314	56000	No
Ethylbenzene	10	<0.001	<0.001	5700	No
m,p-Xylene	10	<0.002	<0.002	5900	No
o-Xylene	10	<0.002	<0.002	6600	No

POLYCYCLIC-AROMATIC HYDROCARBONS

Acenaphthene	10	<0.4	0.0285	84000	No
Acenaphthylene	10	<0.6	0.0188	83000	No
Anthracene	10	<0.8	0.0927	520000	No
Benzo(a)anthracene	10	<0.014	1.65	170	No
Benzo(a)pyrene	10	<0.015	2.42	35	No
Benzo(b)fluoranthene	10	<0.015	2.67	44	No
Benzo(ghi)perylene	10	<0.024	2.01	3900	No
Benzo(k)fluoranthene	10	<0.014	0.991	1200	No
Chrysene	10	<0.01	1.41	350	No
Dibenzo(a,h)anthracene	10	<1.15	0.0466	3.5	No
Fluoranthene	10	<0.017	2.9	23000	No
Fluorene	10	<0.5	0.034	63000	No
Indeno(1,2,3-cd)pyrene	10	<0.018	1.64	500	No
Naphthalene	10	<0.45	0.0157	190	No
Phenanthrene	10	<0.75	1.09	22000	No
Pyrene	10	<0.015	2.87	54000	No

MARKER FOR VOLATILE ORGANIC COMPOUND

Methyl tert-butyl ether (MTBE)	10	<0.0005	<0.0005	7900	No
--------------------------------	----	---------	---------	------	----

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

Contamination Assessment Letter Report

Soil Contamination Test Results and Screening Value					
Determinand	Number of Samples	Minimum Concentration (mg/kg)	Maximum Concentration (mg/kg)	Adopted Screening Value (mg/kg)	Was the adopted screening value exceeded for relevant land-use scenario?
Copper	10	5.74	29	200	No
Nickel	10	5.09	20.3	110	No
Zinc	10	30.7	217	300	No

The derivation of the Soil Assessment Criteria used within this report can be seen within Appendix F. The soil concentrations were compared to BS3882:2015 *Specification for Topsoil* and based on differing pH. For the purpose of conservatism, the pH of the soils has been assumed to be below 6 within this table. Where exceedances are noted, the trial hole and depth of sample is recorded.

Chemical laboratory testing of the Made Ground revealed a positive Asbestos result in one sample with the rest of the samples not revealing any other elevated levels of determinands above the guideline levels for a 'Commercial' land-use scenario.

In addition, the intrusive investigation did not reveal any visual or olfactory evidence to suggest any hydrocarbon-type contamination in the trial holes excavated on the site. The chemical laboratory results have verified that no elevated concentrations of aliphatic/aromatic hydrocarbons (C5-C35) or elevated BTEX compounds are present in the soils underlying the site.

ASBESTOS RISK ASSESSMENT

Asbestos was identified within one sample (TP3/0.30m) as Amosite in the form of ACM debris. Quantification was undertaken on the sample and indicated that asbestos was present at < 0.001%.

A quantification risk assessment was carried out for the concentration recorded, in accordance with the guidance within CIRIA 733. The background, considerations taken, and the calculations can be seen in Appendix G. A summary of the results is shown in the table below.

Asbestos Risk Assessment				
Sample	Mesothelioma Accumulated Risk (fibres/ml.year)	Mesothelioma Risk	Lung Cancer Accumulated Risk (fibres/ml.year)	Lung Cancer Risk
TP3/0.30m	0.00119	Insignificant	0.00085	Insignificant

Based on CIRIA Table 14.1 for Mesothelioma and 14.3 for Lung Cancer, the risk for TP3/0.30m bgl was considered to be insignificant. **Therefore, no remediation procedures were considered necessary with respect to asbestos in Made Ground.**

Contamination Assessment Letter Report

	An Asbestos Management Strategy should be put in place so that any potentially asbestos containing materials are identified and removed from site in a suitable manner to prevent cross-contamination.																																								
WATER SUPPLY PIPE RISK ASSESSMENT	As part of the proposed development it is expected that new water supply pipes will be installed at the site. Water supply pipes have the potential to be exposed to contaminants in the ground that can lead to unacceptable concentrations within the drinking water. If a risk is identified, specialist pipes that are protective of the drinking water are required. A pipe selection risk assessment should be submitted to the water supply company as part of the development based on the supplier’s assessment criteria. An indication of whether there is likely to be a risk can be seen tabulated below, where the PE pipe thresholds are based on <i>UKWIR Contaminated Land Assessment Guidance, 2014</i>. <table><tr><th colspan="4">Pipe Selection Risk Assessment</th></tr><tr><th>Determinand</th><th>PE Pipe Threshold (mg/kg)</th><th>Laboratory Analysis Range (mg/kg)</th><th>Was the Threshold Exceeded?</th></tr><tr><td>Total BTEX and MTBE</td><td>0.1</td><td>0.00314</td><td>No</td></tr><tr><td>Total VOCs</td><td>0.5</td><td>LOD</td><td>No</td></tr><tr><td>Total SVOCs</td><td>2</td><td>LOD</td><td>No</td></tr><tr><td>Phenols</td><td>2</td><td>0.105</td><td>No</td></tr><tr><td>TPH EC5 – EC10 (aliphatics and aromatics)</td><td>2</td><td><0.01</td><td>No</td></tr><tr><td>TPH EC10 – EC16 (aliphatics and aromatics)</td><td>10</td><td>37.44</td><td>Yes</td></tr><tr><td>TPH EC16 – EC40 (aliphatics and aromatics)</td><td>500</td><td>2721.21</td><td>Yes</td></tr><tr><td>Naphthalene</td><td>5</td><td>0.0157</td><td>No</td></tr></table> The Water Supply pipe risk assessment indicates that the use of PE pipes is inappropriate at the site due to the concentrations of TPH within the soils. It is therefore recommended that the use of Metal or Barrier pipes are implemented as part of the design in order to prevent an unacceptable risk to future receptors.	Pipe Selection Risk Assessment				Determinand	PE Pipe Threshold (mg/kg)	Laboratory Analysis Range (mg/kg)	Was the Threshold Exceeded?	Total BTEX and MTBE	0.1	0.00314	No	Total VOCs	0.5	LOD	No	Total SVOCs	2	LOD	No	Phenols	2	0.105	No	TPH EC5 – EC10 (aliphatics and aromatics)	2	<0.01	No	TPH EC10 – EC16 (aliphatics and aromatics)	10	37.44	Yes	TPH EC16 – EC40 (aliphatics and aromatics)	500	2721.21	Yes	Naphthalene	5	0.0157	No
Pipe Selection Risk Assessment																																									
Determinand	PE Pipe Threshold (mg/kg)	Laboratory Analysis Range (mg/kg)	Was the Threshold Exceeded?																																						
Total BTEX and MTBE	0.1	0.00314	No																																						
Total VOCs	0.5	LOD	No																																						
Total SVOCs	2	LOD	No																																						
Phenols	2	0.105	No																																						
TPH EC5 – EC10 (aliphatics and aromatics)	2	<0.01	No																																						
TPH EC10 – EC16 (aliphatics and aromatics)	10	37.44	Yes																																						
TPH EC16 – EC40 (aliphatics and aromatics)	500	2721.21	Yes																																						
Naphthalene	5	0.0157	No																																						
GROUNDWATER RISK ASSESSMENT	In the UK, the water environment is protected under a number of regulatory regimes, mainly governed by the Environment Agency. The Environment Agency is consulted when there may be a risk to Controlled Waters, or where a pollution incident has occurred historically. The Water Framework Directive is implemented in various guises covering groundwater, surface water and drinking water supply. The soil samples analysed as part of the risk assessments have been used to undertake a Level 1 (soils) Controlled Waters risk assessment. At Level 1 (soils), the conceptual site model and the determinand concentrations of the soils are used to indicate whether the concentrations are sufficient to impact the receptor. At this stage, dilution, dispersion and attenuation along the pathway are not considered.																																								

Contamination Assessment Letter Report

The British Geological Survey (BGS) maps and DEFRA online maps for the area suggest that the site was located on the London Clay Formation, classified as Unproductive Bedrock Strata. Based on this, it was anticipated that groundwater was perched on top of the London Clay Formation. The main groundwater table though is expected below the unproductive aquifer.

Examination of the Environment Agency records showed that the site did not fall within a Groundwater Source Protection Zone (SPZ) as classified in the Policy and Practice for the Protection of Groundwater.

An unnamed pond was noted directly to the east of the site. An issue stream associated with the Ford Lake stream was noted approximately 255m south-east of the site. It was considered that the groundwater was flowing in an easterly/south-easterly direction, towards the pond/ issue stream.

During the site investigation, Made Ground was encountered to depths of between 1.30-2.15m bgl, overlying gravelly sandy clay of the London Clay Formation to the base of the trial holes (1.90-2.70m bgl). Strong organic odours were noted in TP1 with the Made Ground between 0.60-1.80m bgl. A groundwater strike was recorded at 1.60m bgl in TP1 and 1.80m bgl in TP5.

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

Given the Level 1 risk assessment does not consider dilution, dispersion or attenuation, and given the nearest receptor is an unnamed pond to the east of the site and the ground conditions generally comprised cohesive soils which will have poor permeability, it is not expected that the soils on-site represent an unacceptable risk to controlled water receptors. No further action is considered necessary.

The findings of this risk assessment should be agreed with the Environment Agency.

GROUND GAS RISK, VAPOURS & RADON

A review of the data available on www.groundsure.io/ revealed that an area of Historical Landfilling was located directly to the west of the site and was referenced Knowle Lane Fair Oak. Records show the landfills first input was 06/01/1972 with the final date not provided. An authorised landfill was noted directly to the south of the site referenced Fair Oak Landfill with the licence issued on 26/05/2021.

A Ground Gas risk assessment was not part of the remit of this report. A Ground gas risk assessment should be considered as part of any future works given the close proximity of both historical and current landfill sites. A Phase 1 Desk Study Report is recommended, together with the completion of a Conceptual Site Model for the site. Then a complete Phase 2 report is recommended in order to identify and address fully subsequent risks. Similarly, a vapor risk assessment should be completed as part of that Phase 2.

Contamination Assessment Letter Report

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

The site was in an area where a risk assessment should be undertaken and a GGS geo report should be obtained.

WASTE DISPOSAL

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

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

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

Following the investigation, 10No. Made Ground samples were submitted to the analytical laboratory to undergo a suite of testing for contamination testing, as discussed in the previous sections. Sampling depths were chosen to reflect the receptor of concern, human health, and typically comprised a surface or near surface sample and periodically to 1.00m bgl. Any horizon where olfactory or visual evidence of contamination was present was also sampled.

Based on a risk phase analysis of the chemical laboratory test results, in accordance with EC Hazardous Waste Directive and undertaken by Ground and Water Limited, nine of the ten samples of the Made Ground samples tested encountered on-site were NON-HAZARDOUS. Sample TP4/0.30m was classified as HAZARDOUS due to an elevated TPH C6-C40 value which had hazard properties Carcinogenic and HP11- Mutagenic. The results of the assessment are given within Appendix H.

Asbestos was recorded in 1 sample tested (TP3/0.30m), the quantification test recorded a value of <0.001% and no visible fragments of Asbestos were noted. Therefore, the asbestos recorded within this sample is classified as Non-Hazardous. However, if any more asbestos is encountered during construction works then a re-assessment is required.

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

Contamination Assessment Letter Report

receiving landfill views the results of this assessment and the chemical laboratory results to determine their own classification.

In addition to the samples described above, 2No. samples of the Made Ground was scheduled to undergo Waste Acceptance Criteria (WAC) testing with single batch leachate. Results indicate that the sample was classified as Stable Non-reactive Hazardous Waste in a non Hazardous Landfill waste based on an elevated TPH concentrations and the original classification of potentially hazardous waste route. (The WAC testing showed a non-inert classification but cannot be in the non-inert route).

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

REMEDICATION (SOILS)

Some comments with regards to remediation for soils are presented below.

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

The contamination testing results recorded no exceedances within the soils for the end users of the site. However, groundworkers during the construction stage will require full personal protective equipment. If any contamination including Asbestos is recorded during the construction phase, works should stop and the source and extent of any contamination be further investigated by a competent and qualified person.

In areas of soft landscaping where vegetation is to be planted, a 100-150mm growing medium of clean topsoil should be placed.

IMPORTED MATERIAL

Any soil which is to be imported onto the site must undergo chemical analysis to prove that it is suitable for the purpose for which it is intended.

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

Please feel free to contact us should you have any queries regarding the information enclosed within this report.

FIGURES

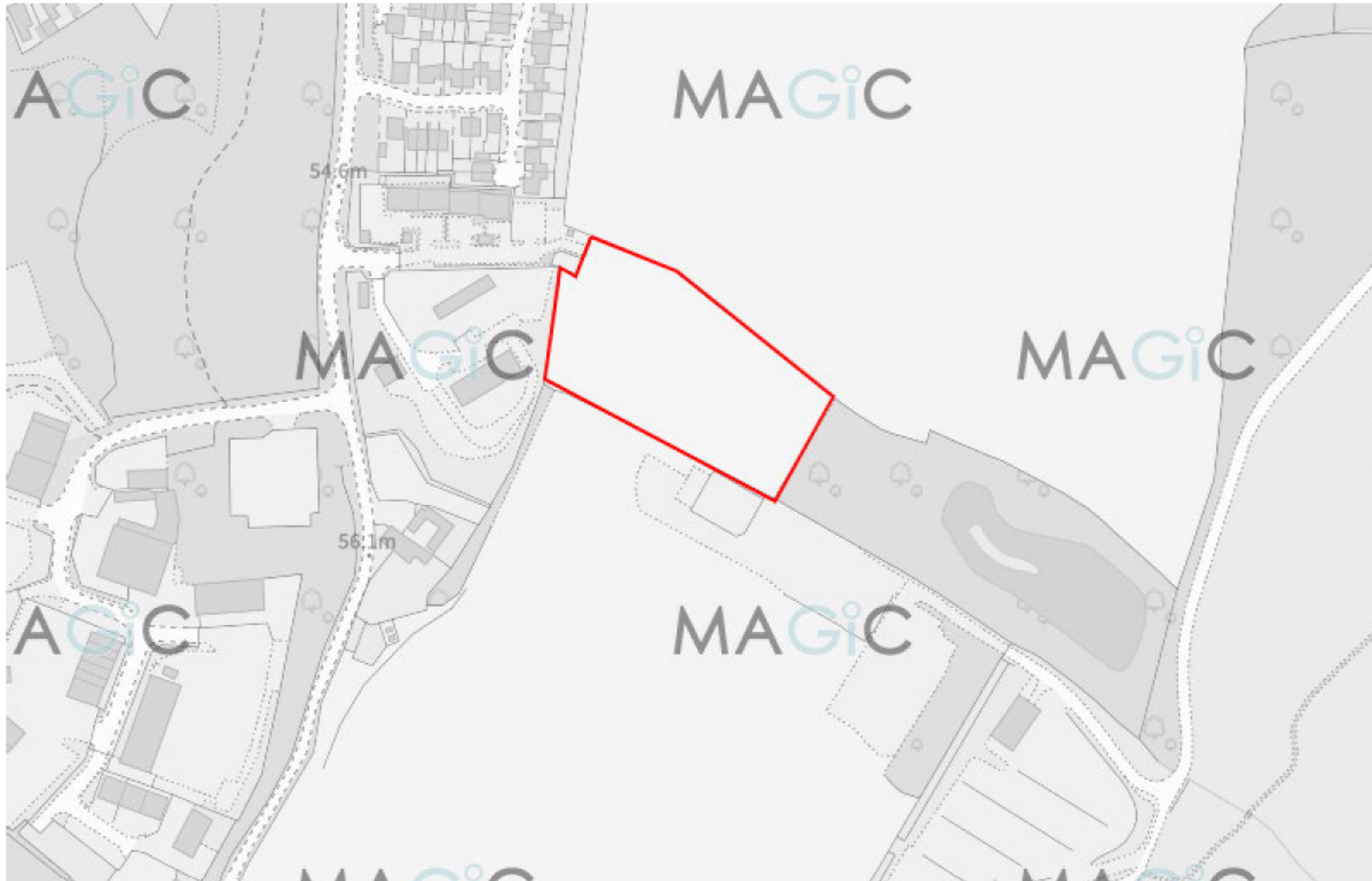
APPENDIX A: Conditions and Limitations

APPENDIX B: Technical Glossary

Contamination Assessment Letter Report

APPENDIX C: Historical Maps	
APPENDIX D: Trial Hole Logs	
APPENDIX E: Chemical Laboratory Testing Results	
APPENDIX F: Soil Assessment Criteria.....	
APPENDIX G: Asbestos Risk Assessment	
APPENDIX H: Hazwaste Assessment	

FIGURES



 Site Boundary



Approximately 55m

East Horton Business Park, Knowle Lane, Fair Oak, SO50 7DZ

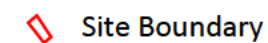
Parsons Construction Ltd

August 2023

Figure 1 – Site Location Plan

GWPR5501





Approximately 40m



GWPR5501





 Site Boundary



Approximately 40m

East Horton Business Park, Knowle Lane, Fair Oak, SO50 7DZ

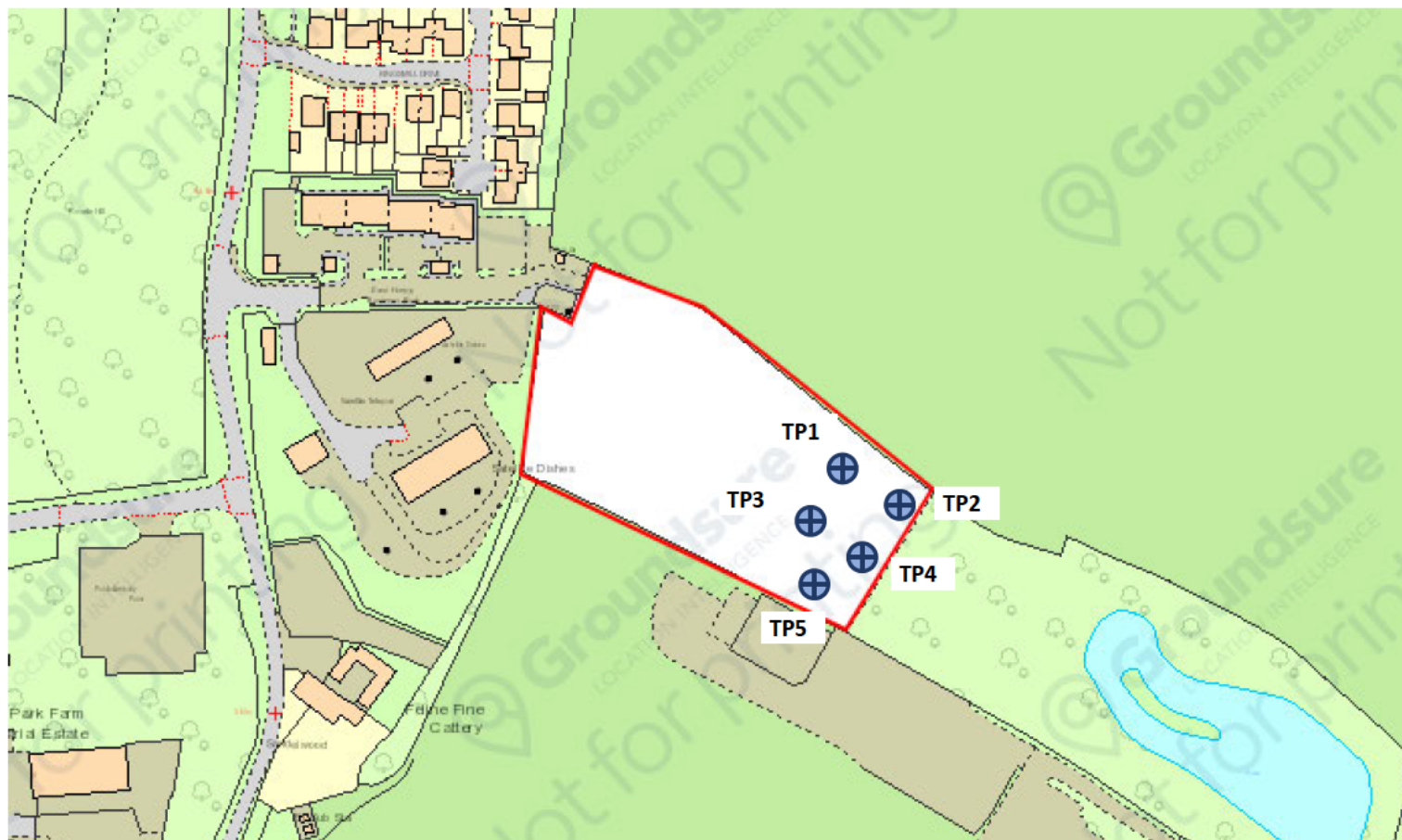
Parsons Construction Ltd

August 2023

Figure 3 – Aerial View of the Site

GWPR5501





- ⬮ Site Boundary
- ⊕ Machine Excavated Trial Pit


Approximately 40m

East Horton Business Park, Knowle Lane, Fair Oak, SO50 7DZ

Parsons Construction Ltd

August 2023

Figure 4– Trial Hole Location Plan

GWPR5501



APPENDIX A: Conditions and Limitations

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

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

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

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

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

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

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

The opinions expressed cannot be absolute due to the limitations of time and resources within the context of the agreed brief and the possibility of unrecorded previous in ground activities. The ground conditions have been sampled or monitored in recorded locations and tests for some of the more common chemicals generally expected. Other concentrations of types of chemicals may exist. It was not part of the scope of this report to comment on environment/contaminated land considerations.

The conclusions and recommendations relate to East Horton Business Park, Knowle Lane, Fair Oak, SO50 7DZ.

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

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

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

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

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

The aim of the investigation was understood to be to supply the client and their designers with information regarding the ground conditions underlying the site to assist them in preparing an appropriate scheme for development.

APPENDIX B: Technical Glossary

TECHNICAL GLOSSARY

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

HYDROGEOLOGY:

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

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

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

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

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

FLOOD ZONES:

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

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

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

GROUNDWATER SOURCE PROTECTION ZONES (SPZS):

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

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

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

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

IN-SITU STRENGTH GEOTECHNICAL TESTING:

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

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

APPENDIX C: Historical Maps

Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: County Series

Map date: 1868

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1868
Revised 1868
Edition N/A
Copyright N/A
Levelled N/A

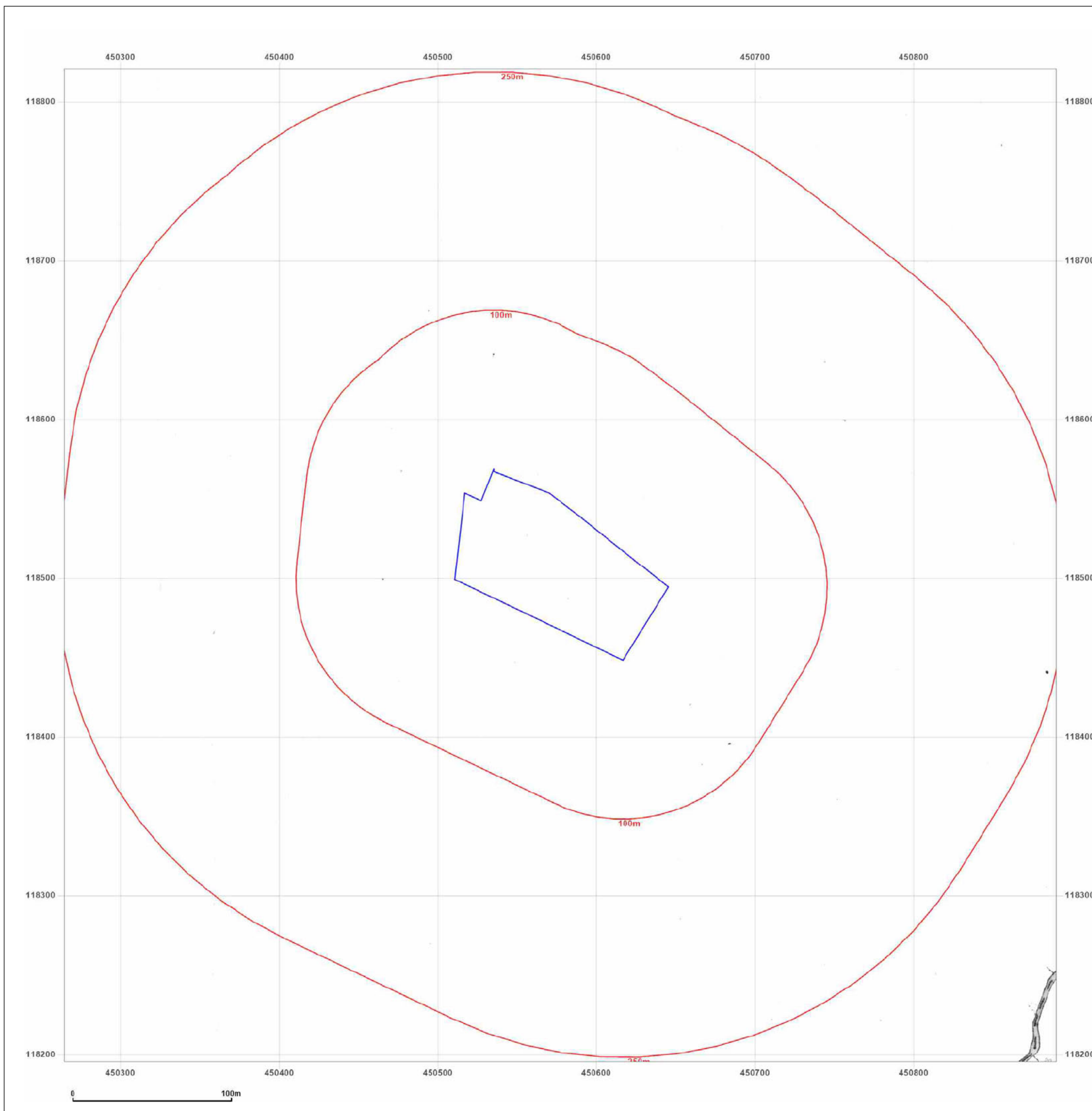


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: County Series

Map date: 1869

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1869
Revised 1869
Edition N/A
Copyright N/A
Levelled N/A

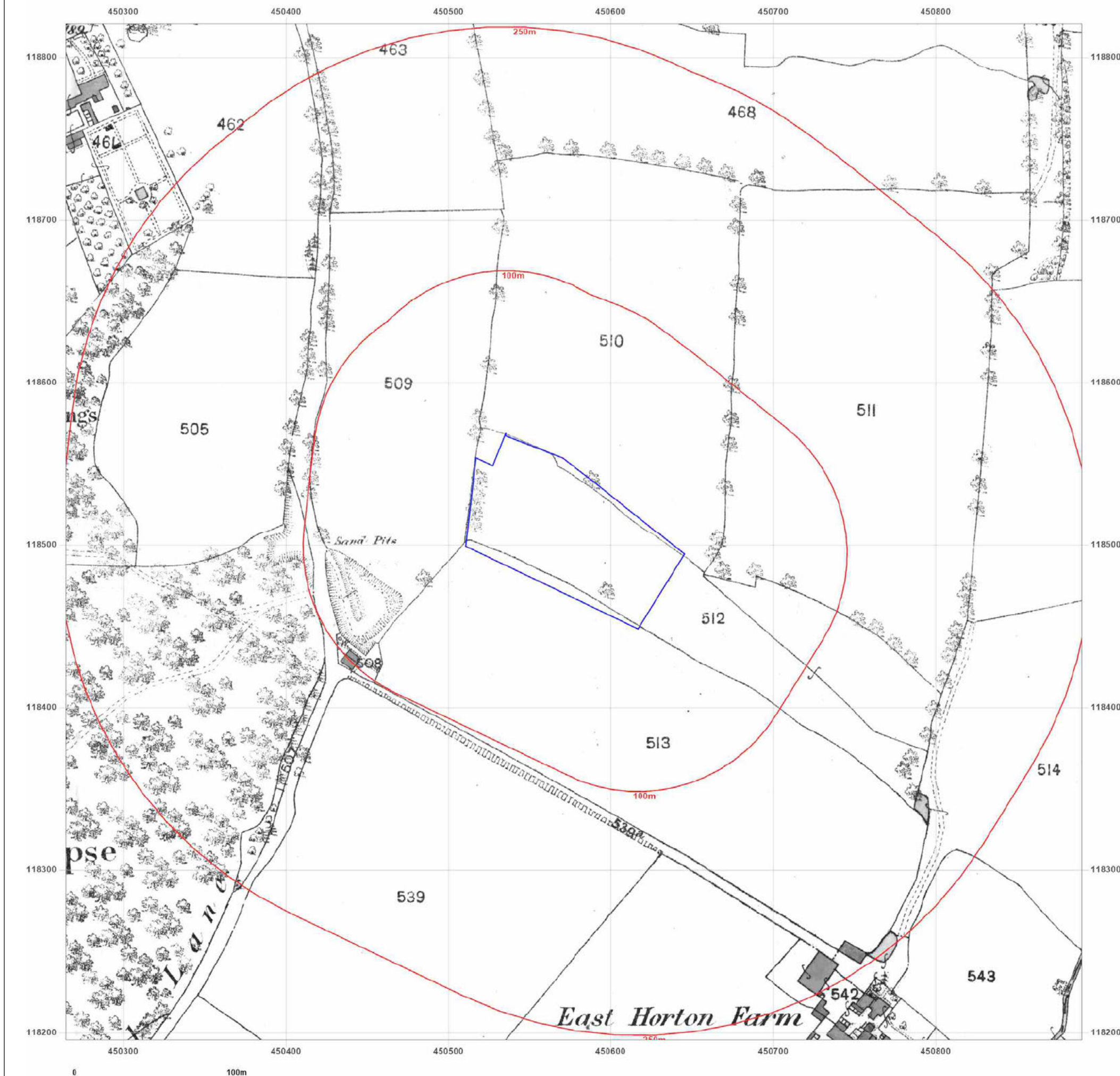


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

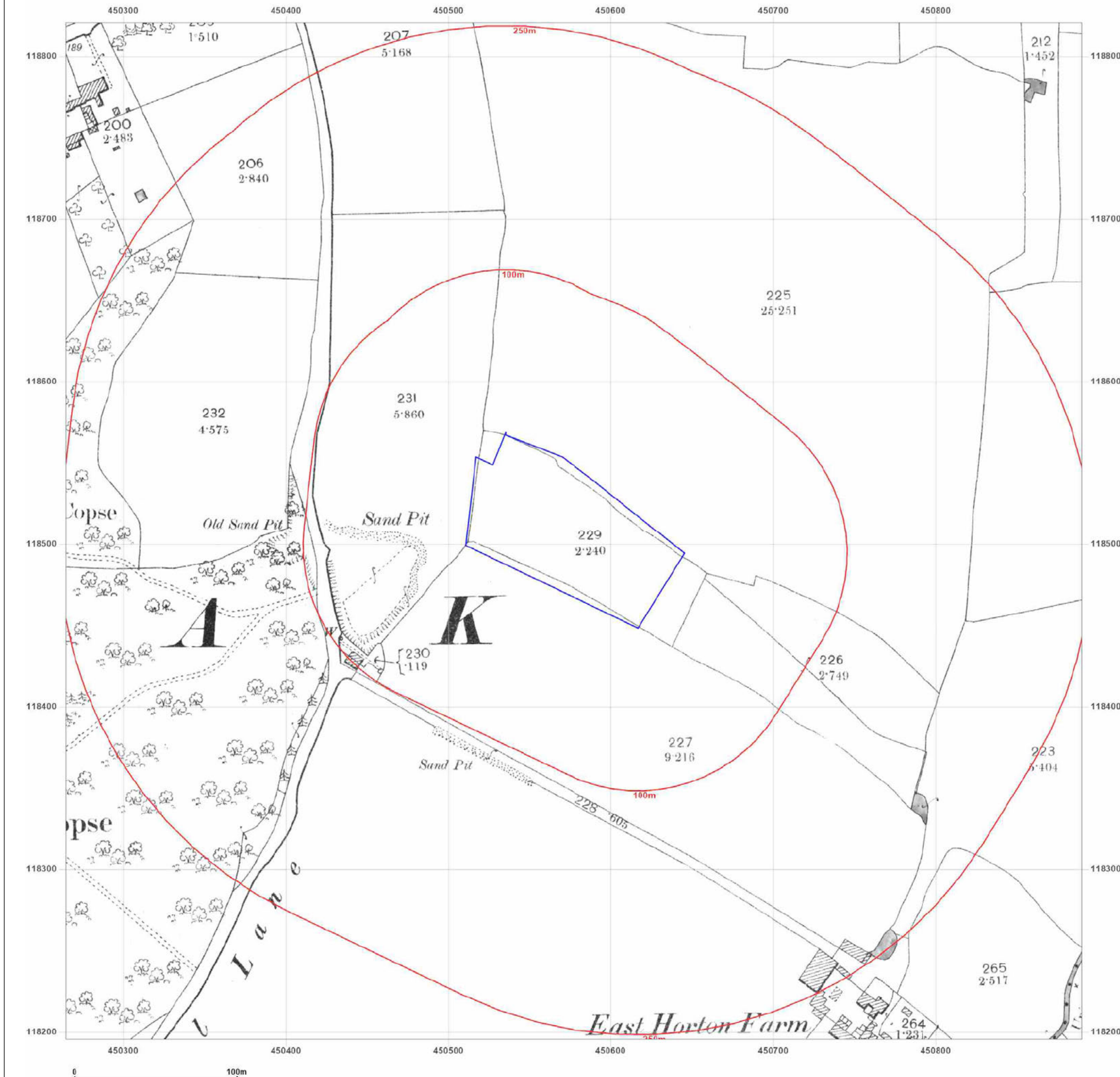


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: County Series

Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



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

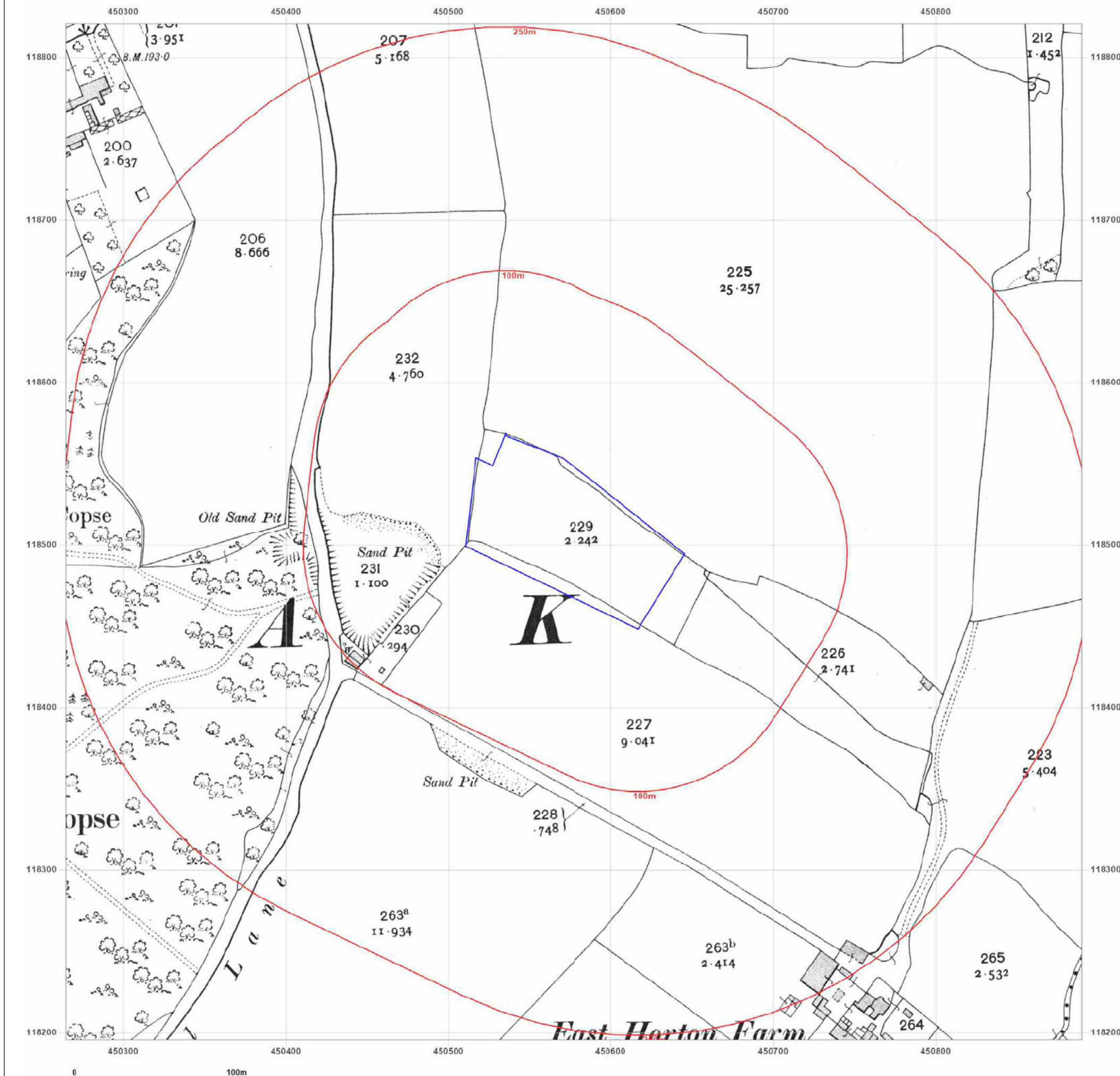


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

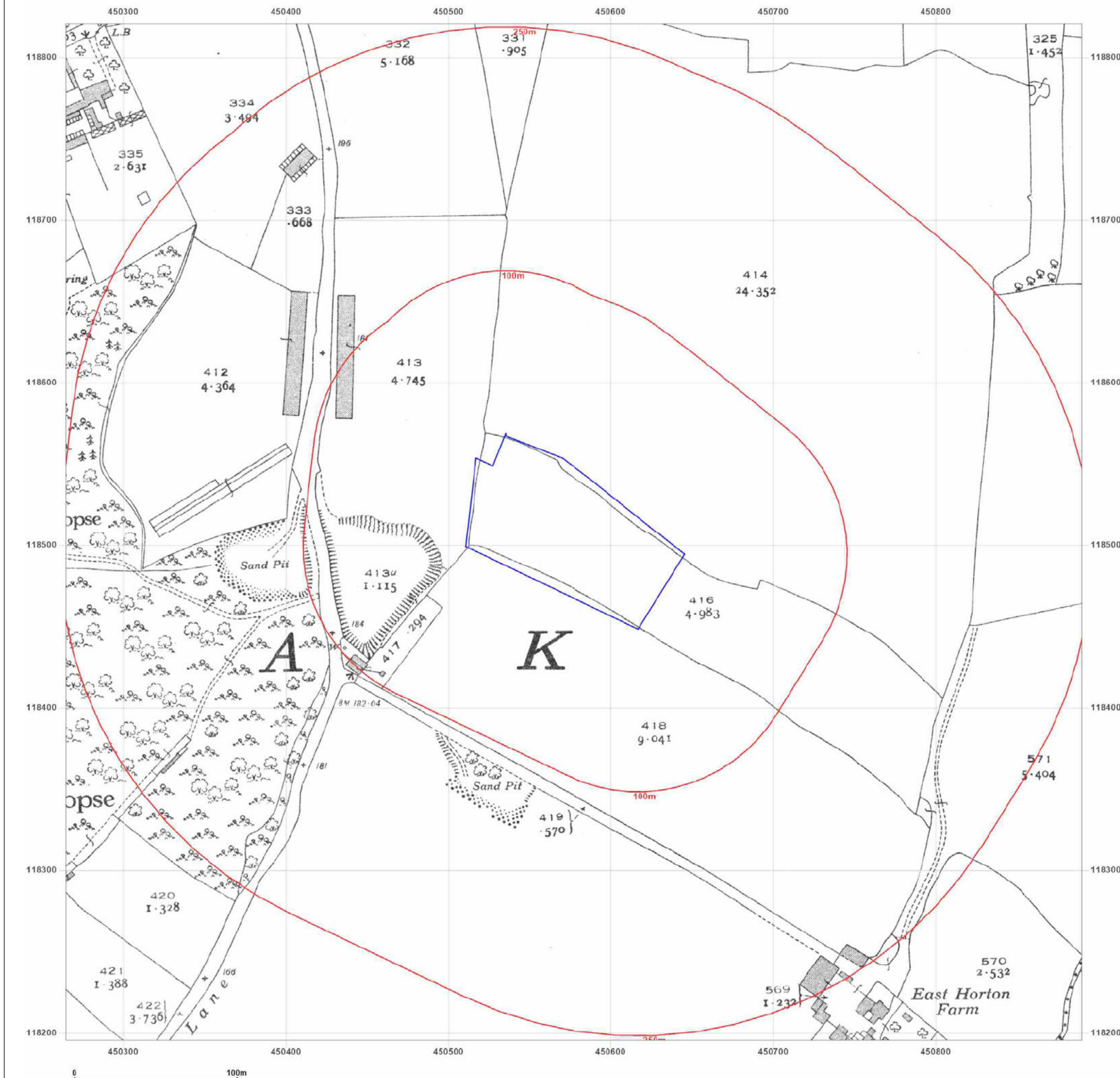


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

Map date: 1963

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1962
Revised 1962
Edition N/A
Copyright 1963
Levelled 1959

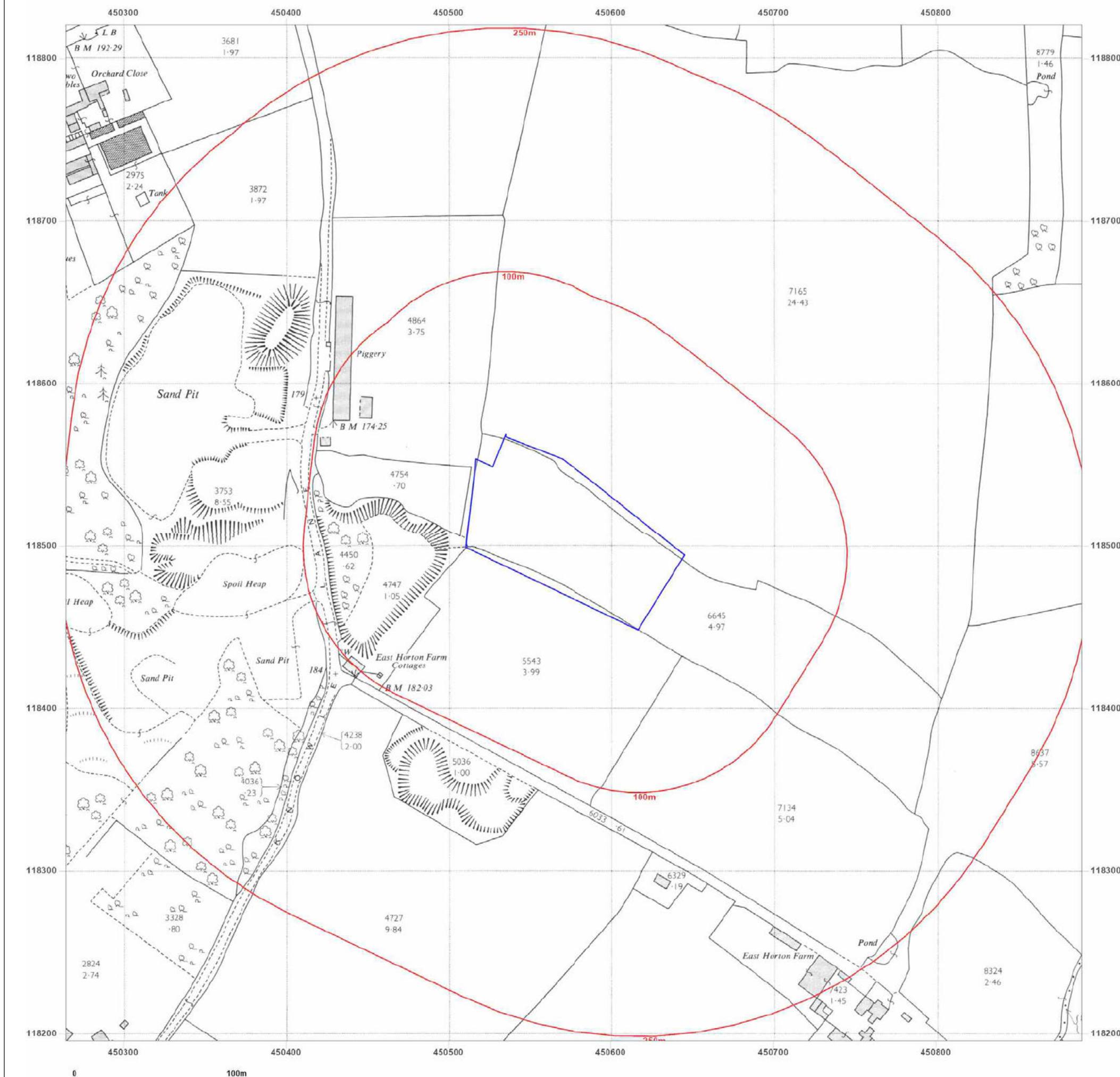


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

Map date: 1974

Scale: 1:2,500

Printed at: 1:2,500



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

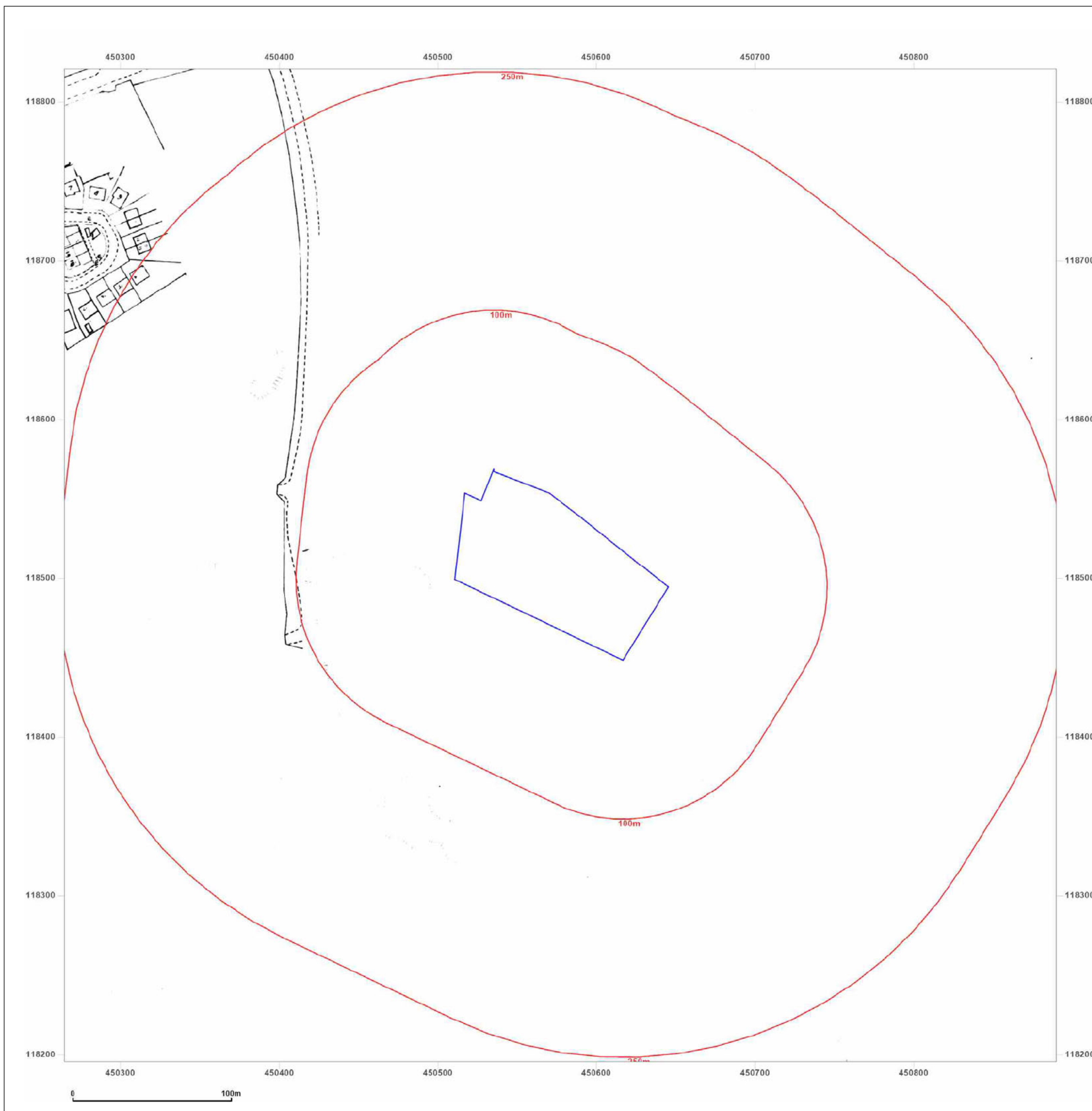


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

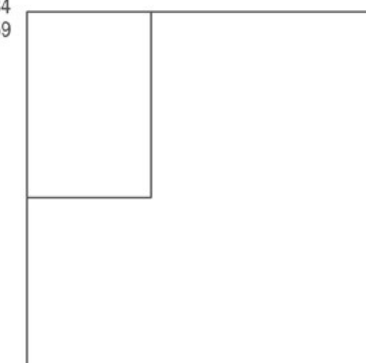
Map date: 1984

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1982
Revised 1982
Edition N/A
Copyright 1984
Levelled 1959



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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

Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

Map date: 1988

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1952
Revised 1988
Edition N/A
Copyright 1988
Levelled 1952

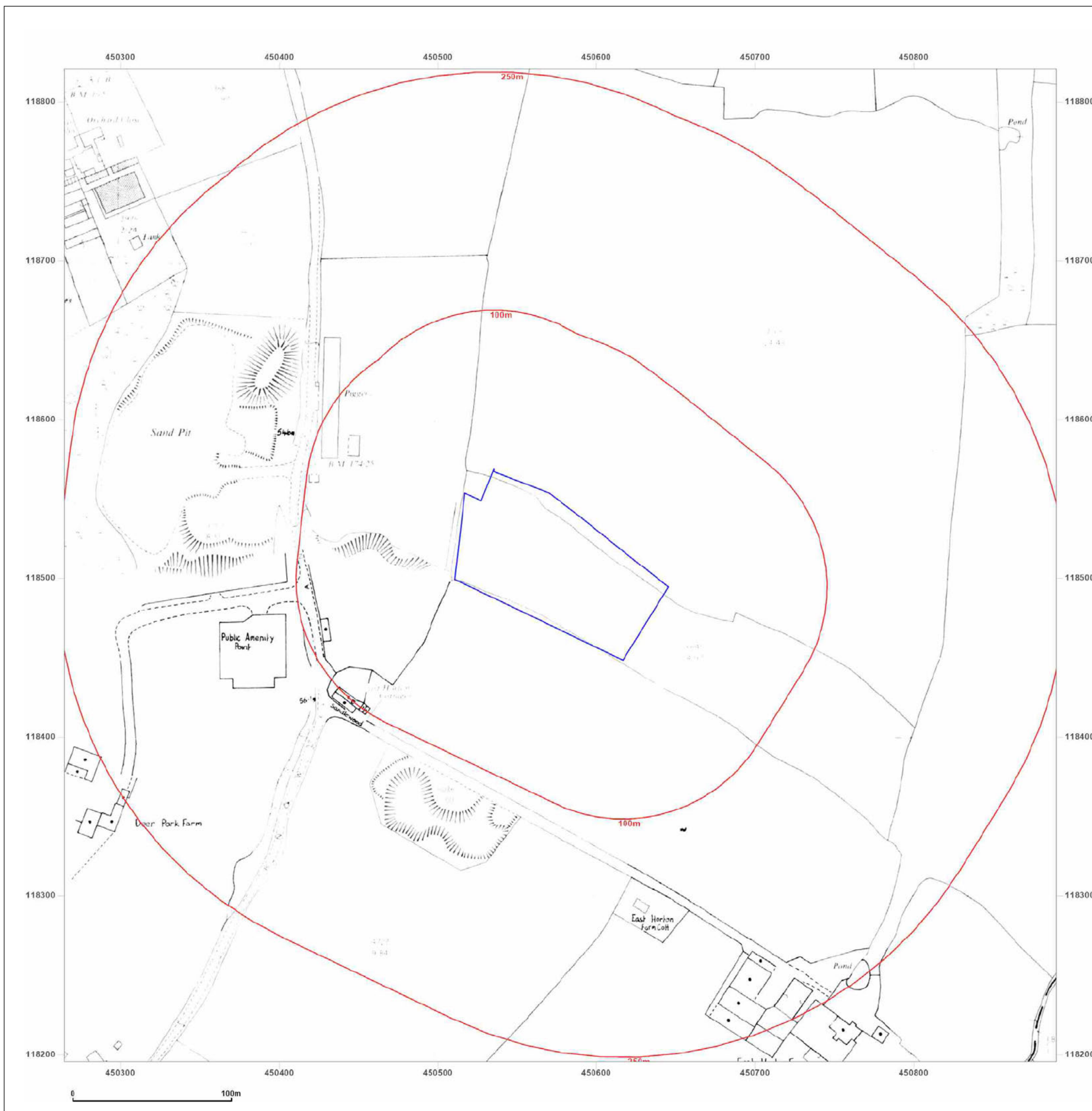


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

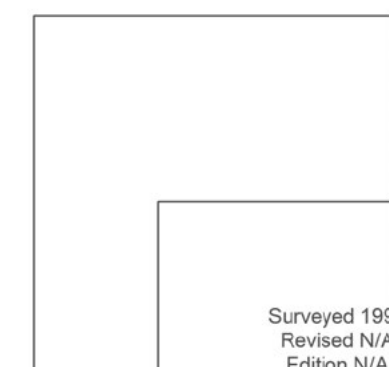
Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

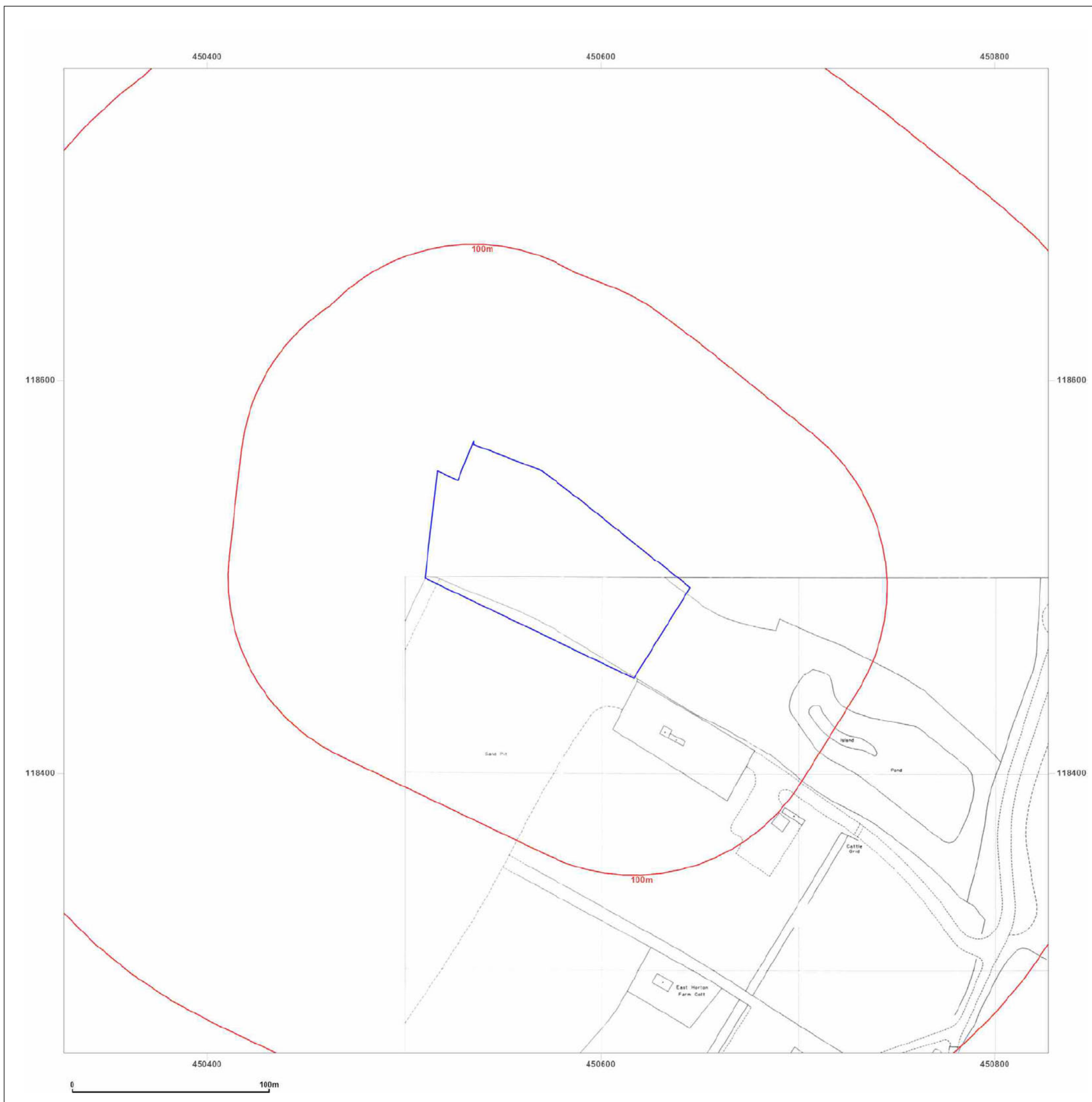


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



2003



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: County Series

Map date: 1868

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1868
Revised 1868
Edition N/A
Copyright N/A
Levelled N/A

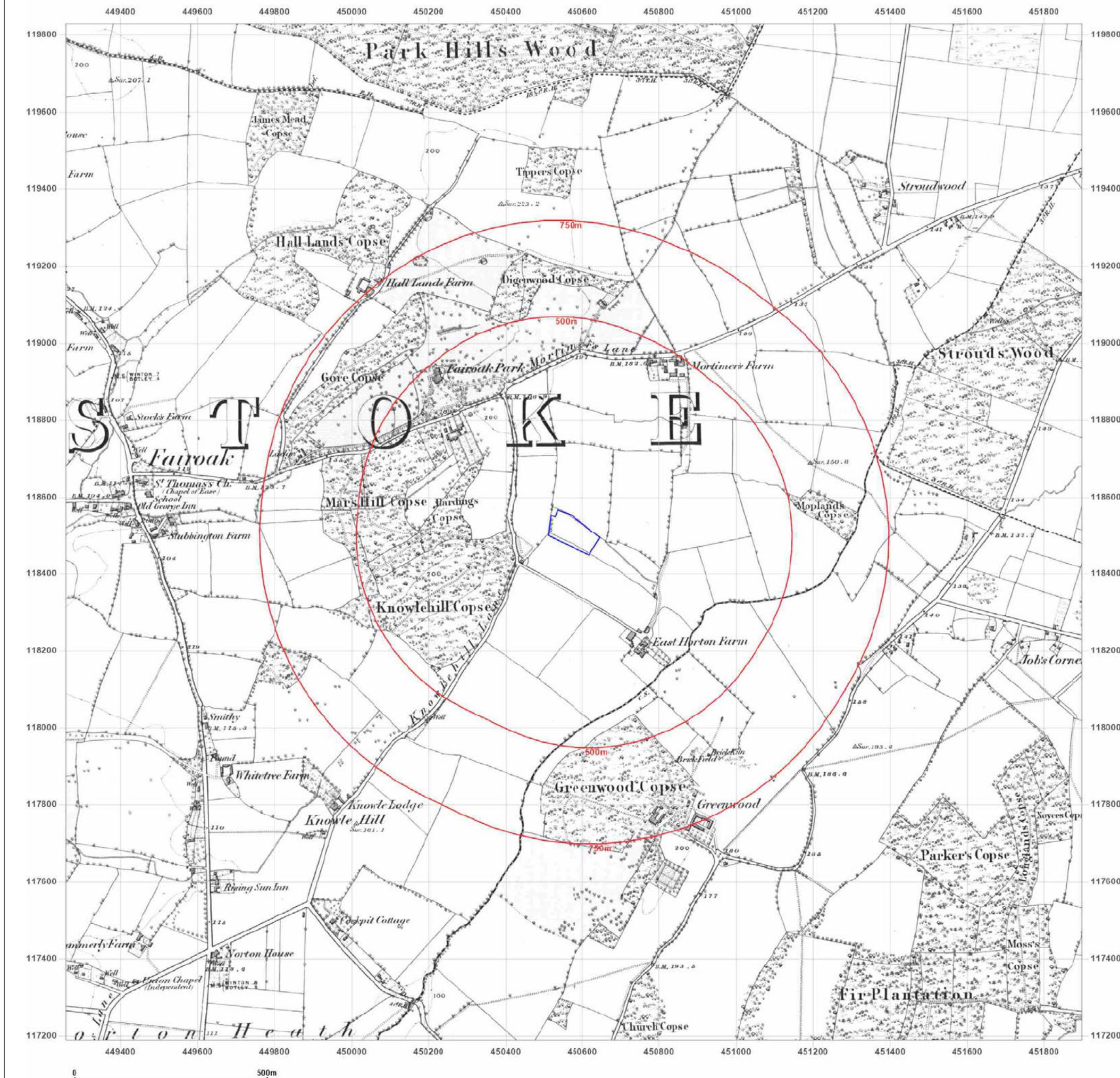


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: County Series

Map date: 1888

Scale: 1:10,560

Printed at: 1:10,560



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

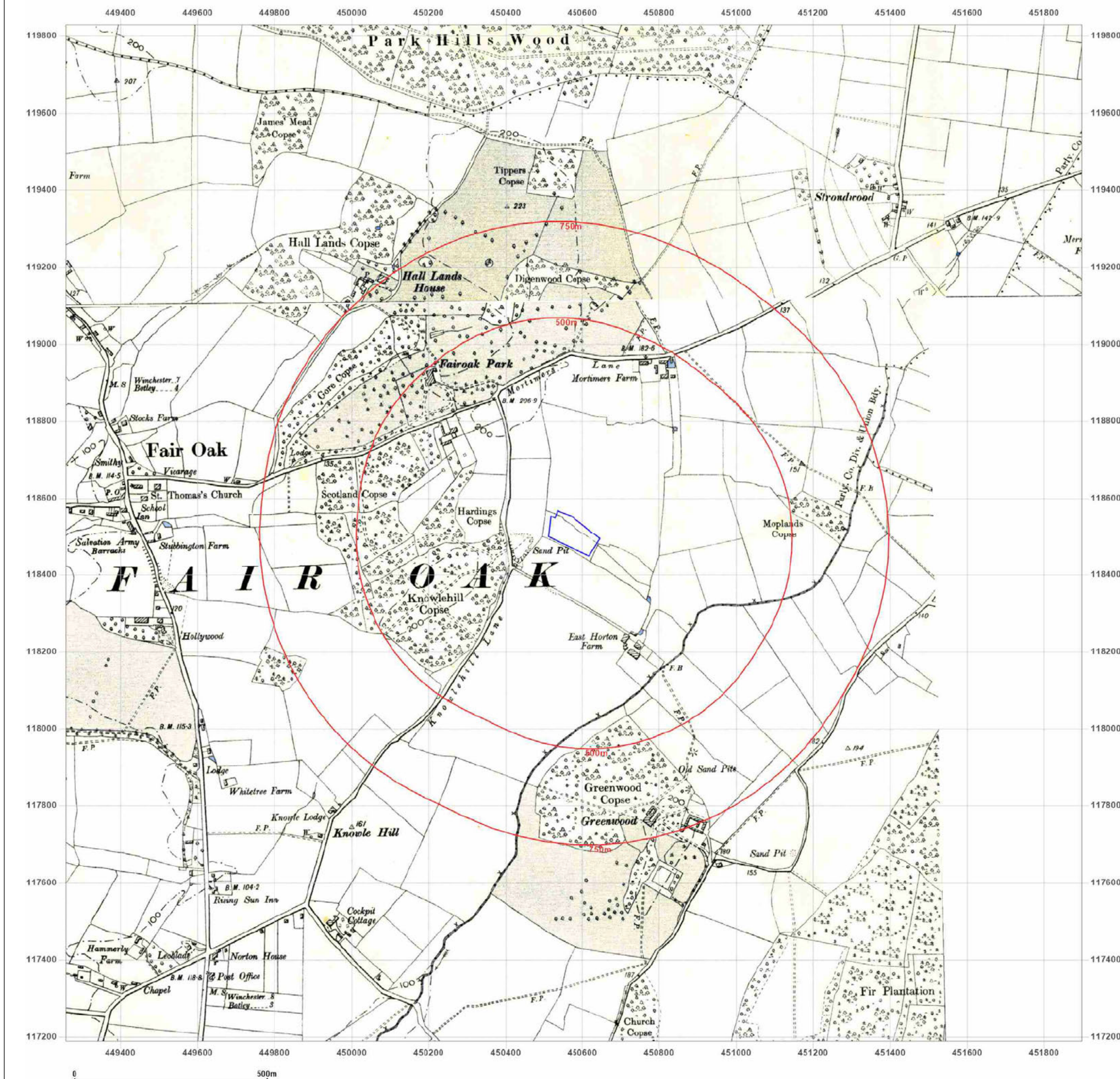


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: County Series

Map date: 1895-1896

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1868
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1868
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1868
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1868
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

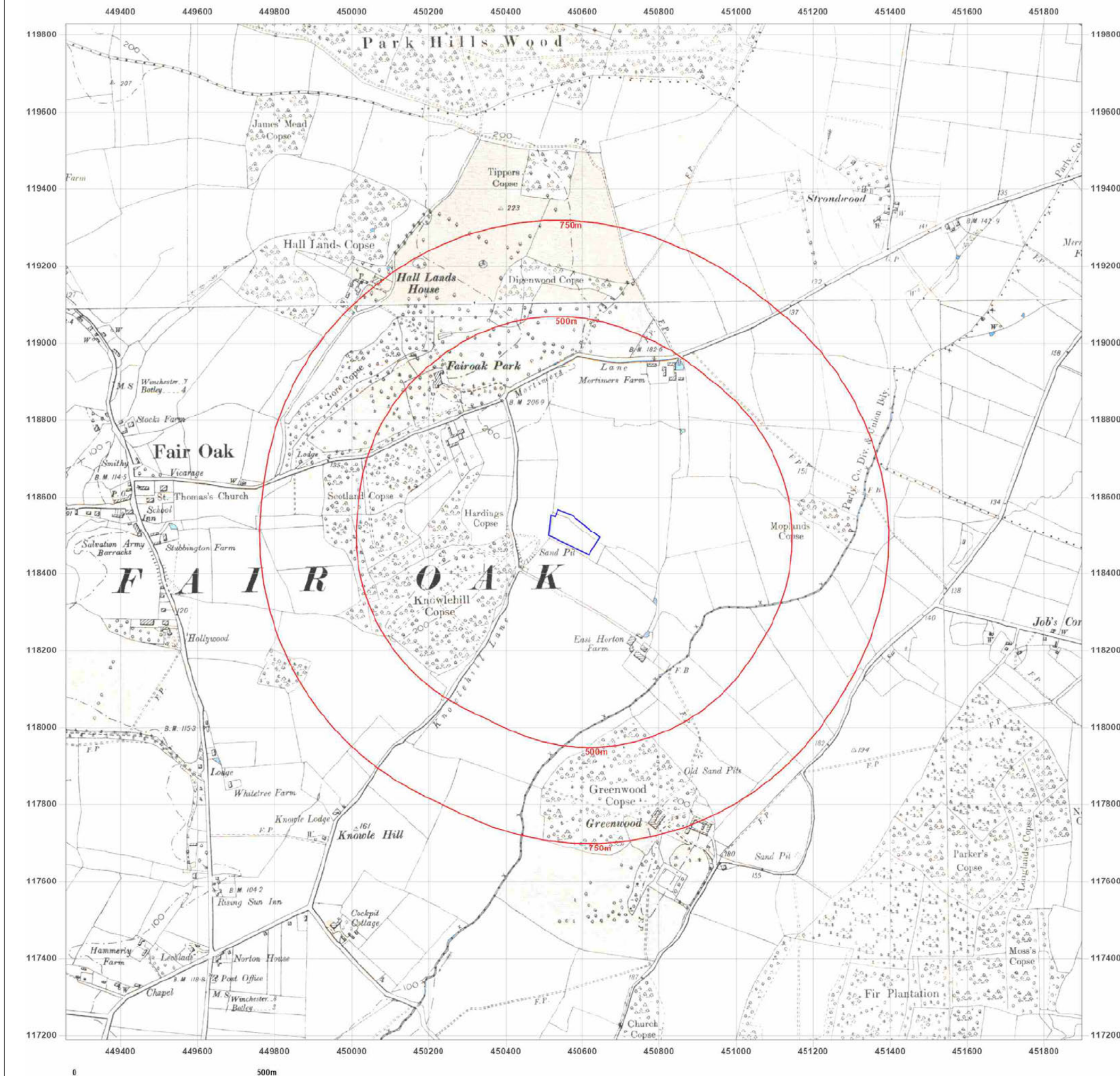


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: County Series

Map date: 1908-1910

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1868
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1868
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1867
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1866
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

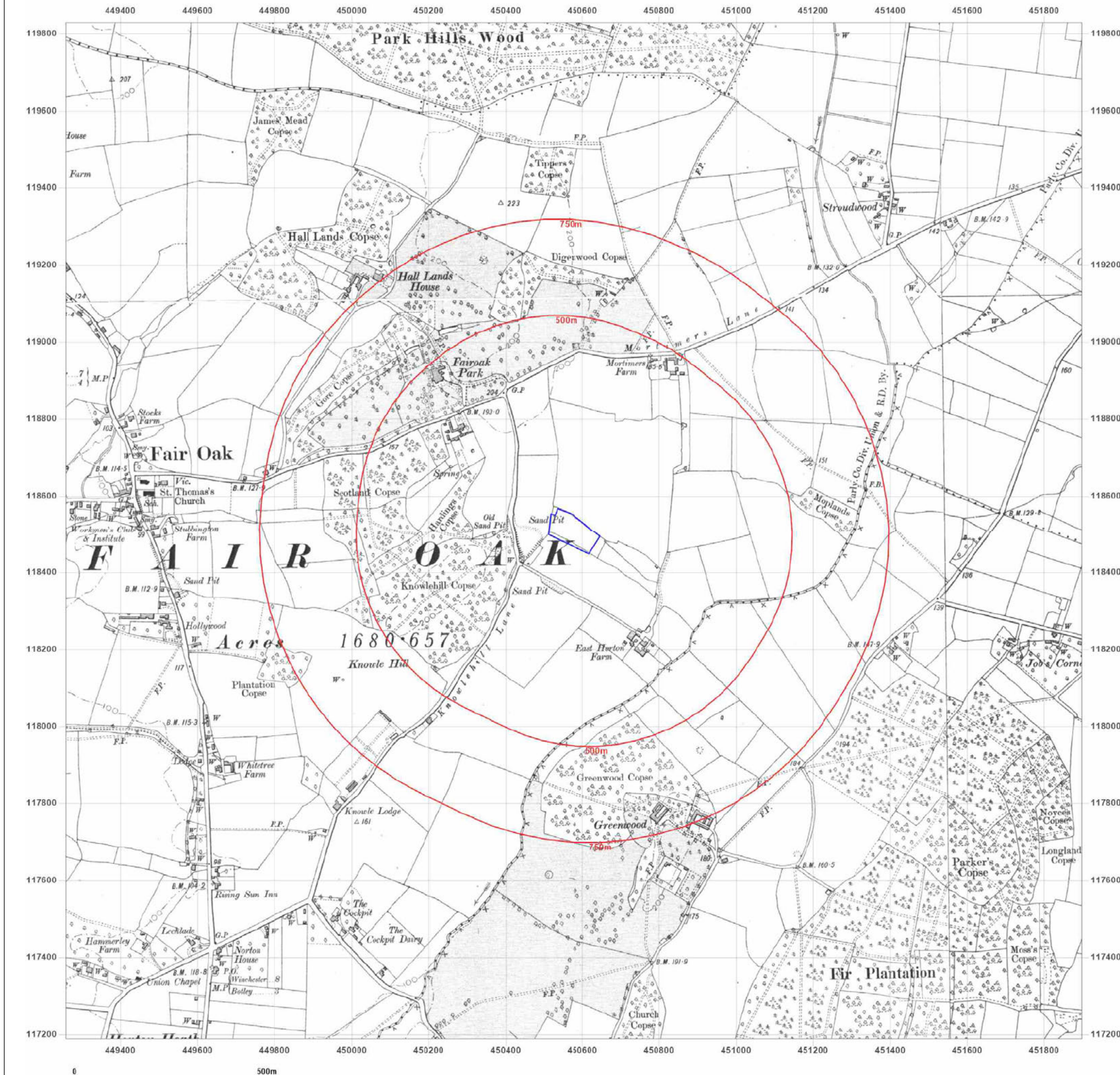


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: County Series

Map date: 1938-1939

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1868
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1867
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

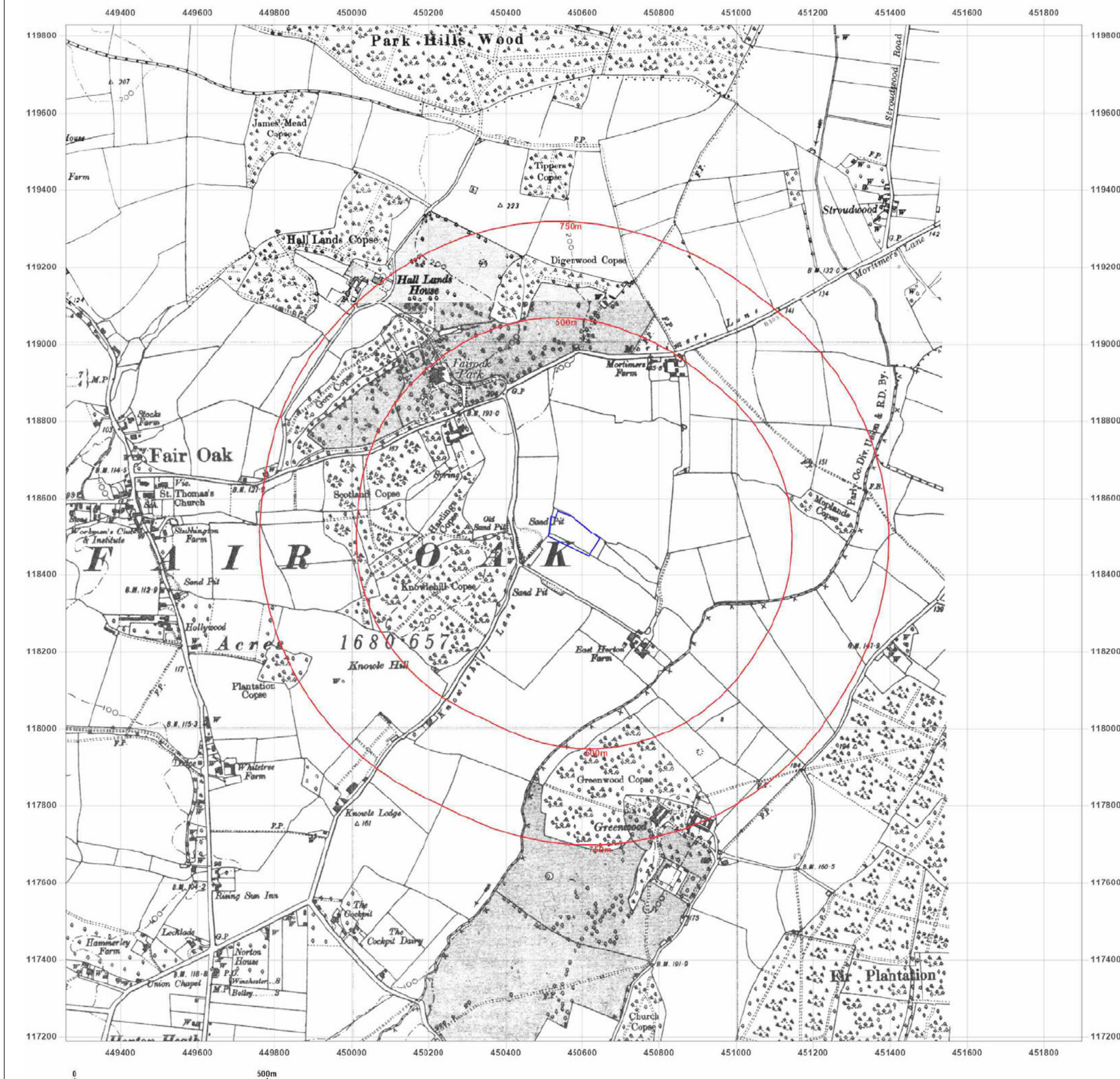


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: Provisional

Map date: 1957

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1868
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

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

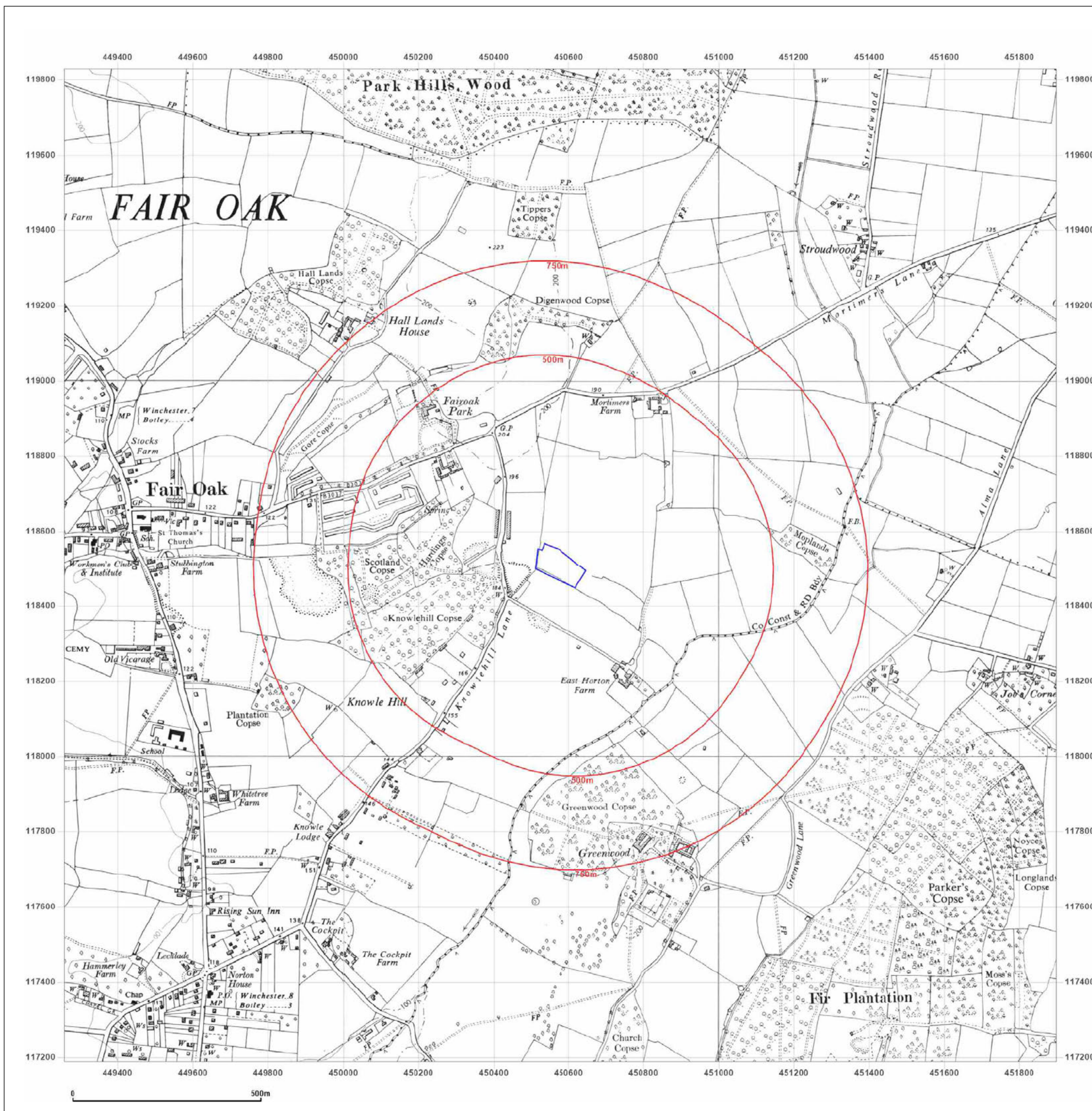


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: Provisional

Map date: 1968

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

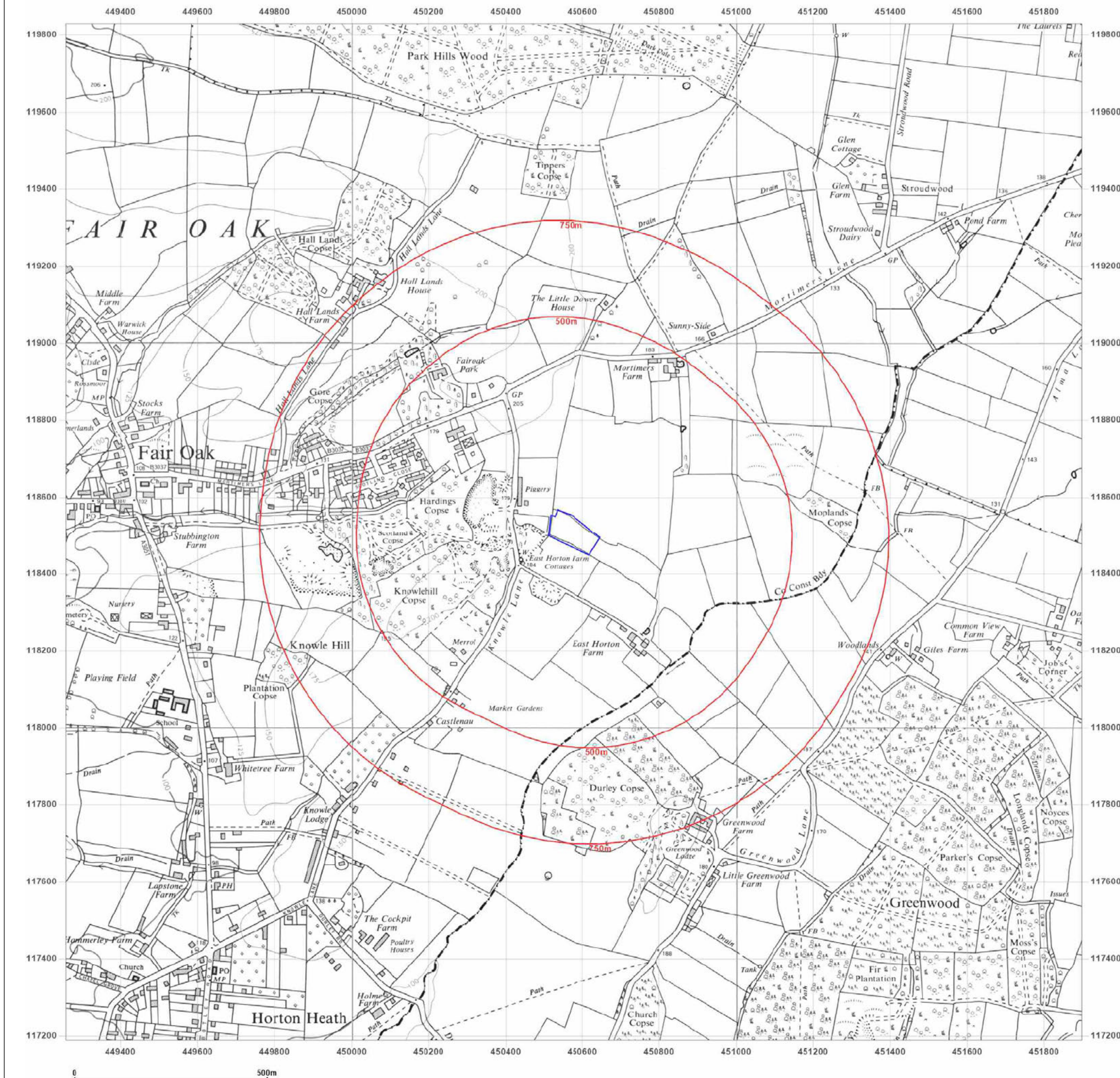


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

Map date: 1981-1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1980
Revised 1981
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1963
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A

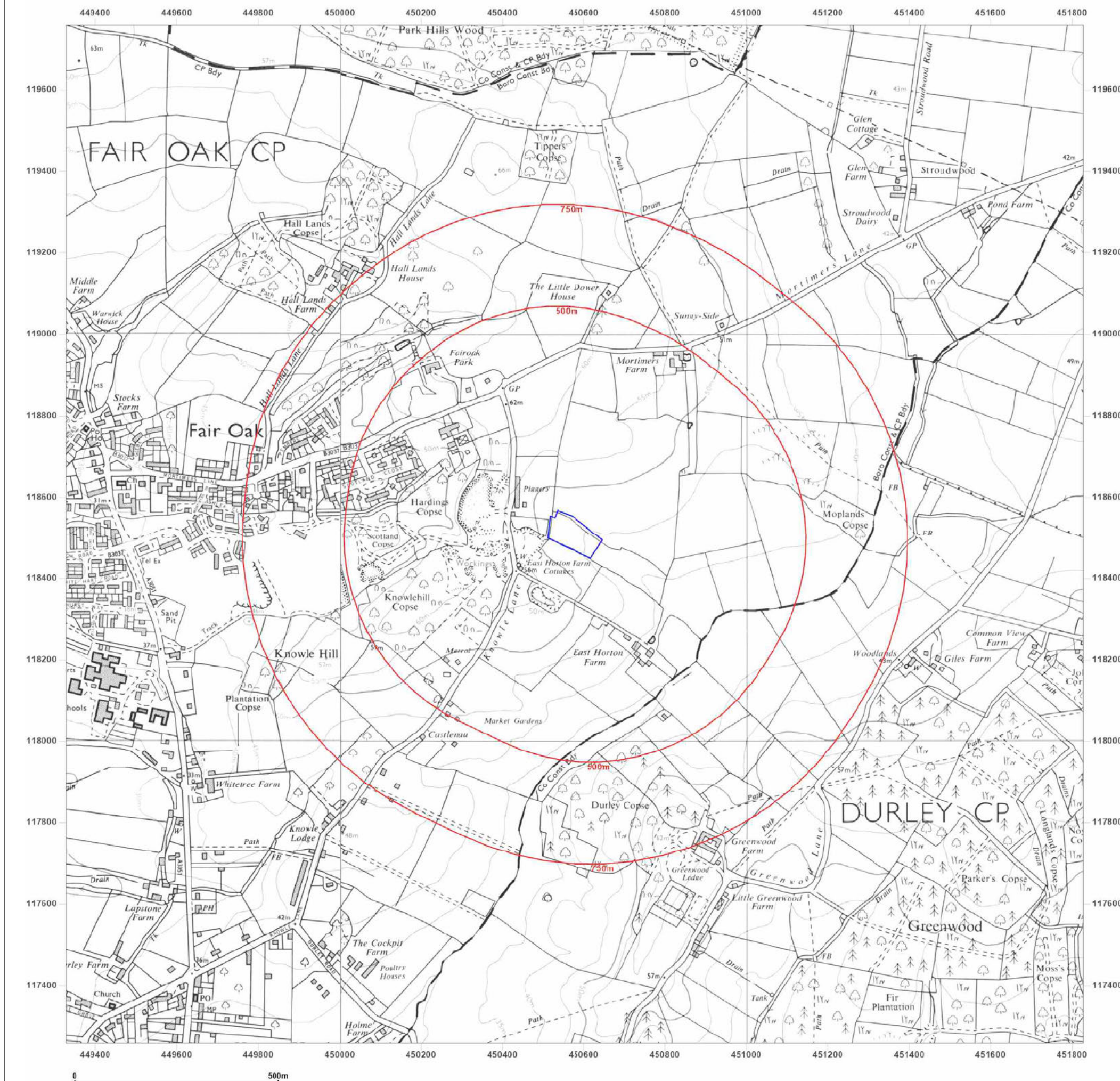


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

Map date: 1989

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1988
Revised 1989
Edition N/A
Copyright N/A
Levelled N/A

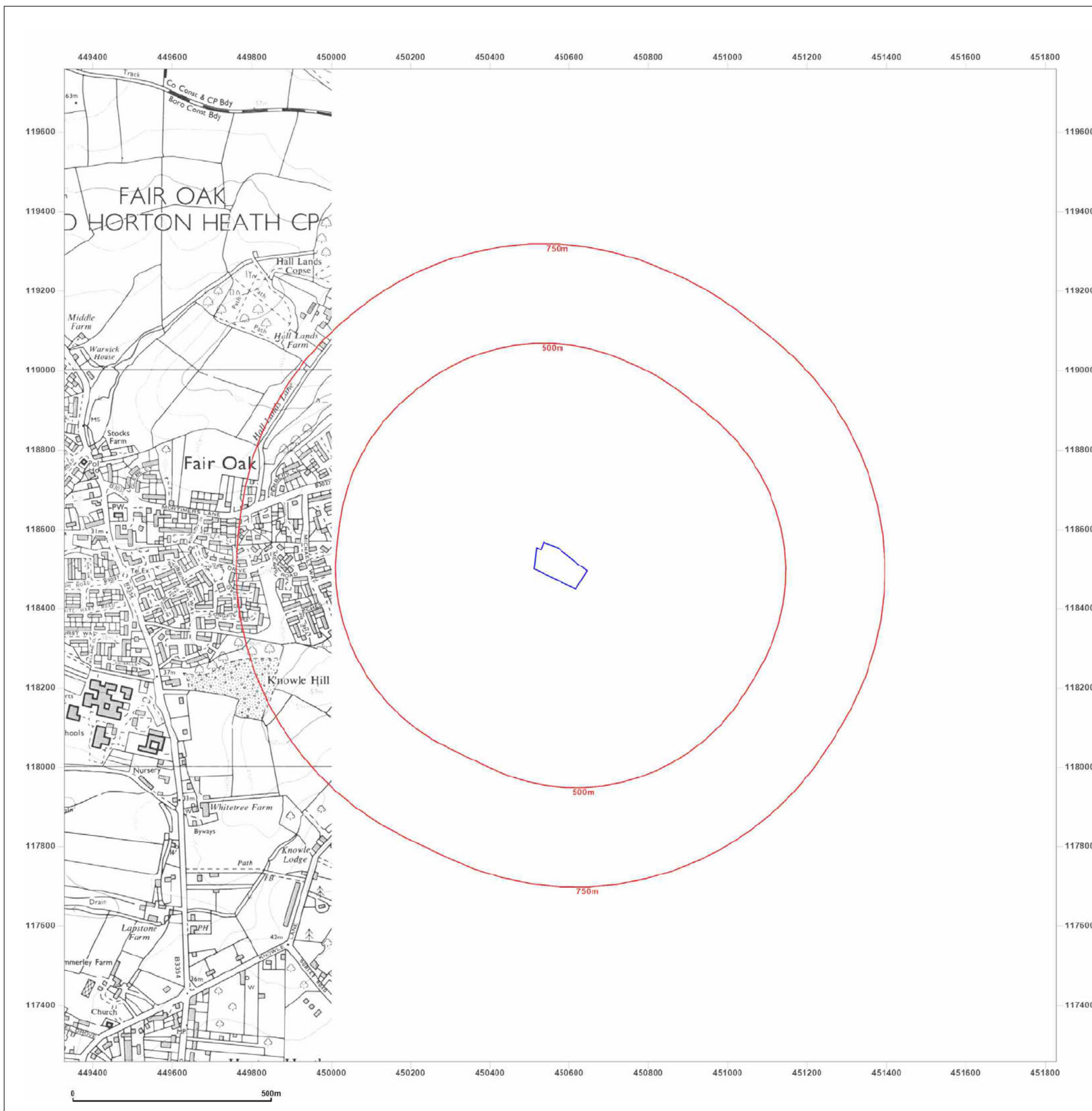


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



2001

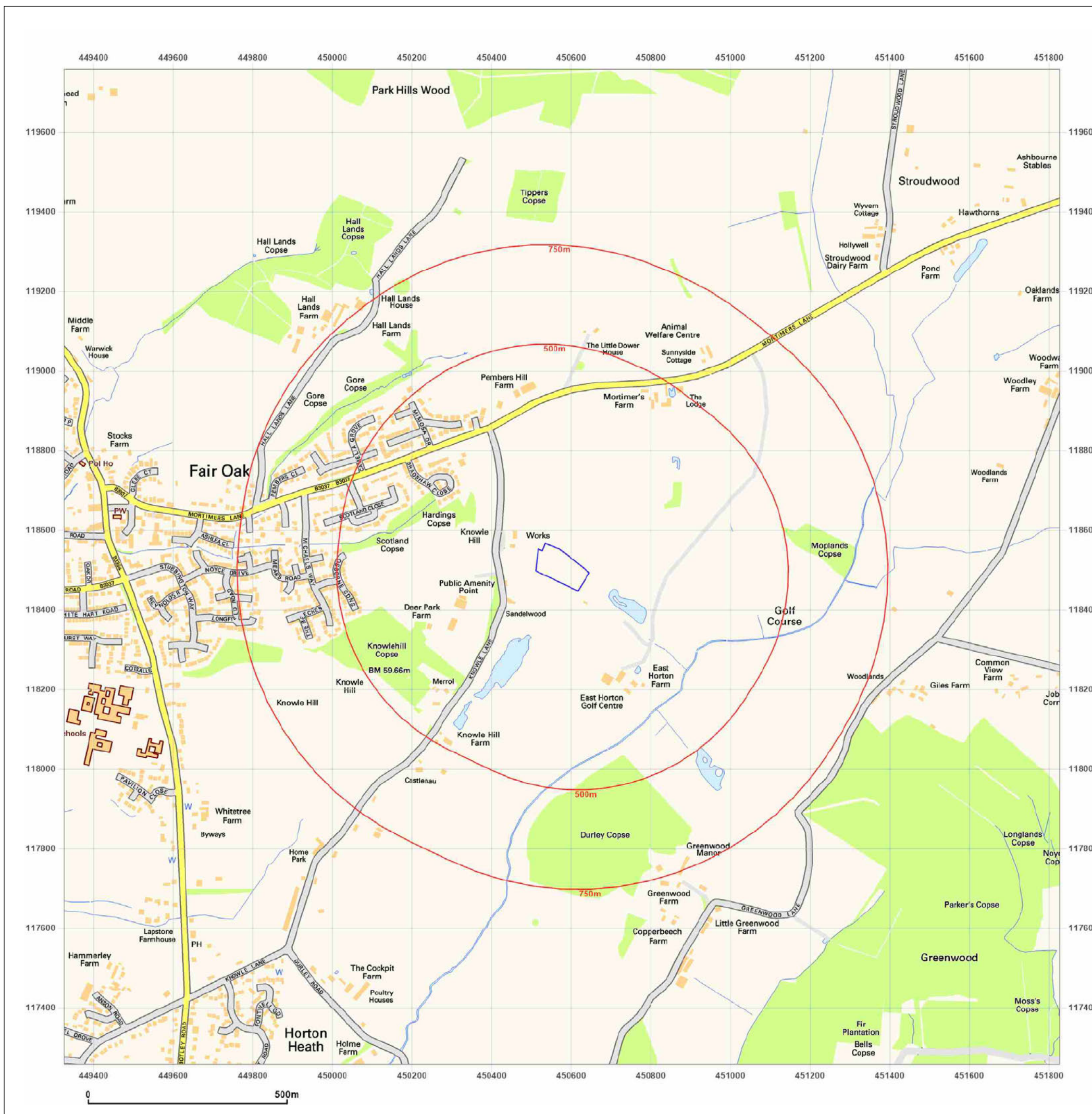


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

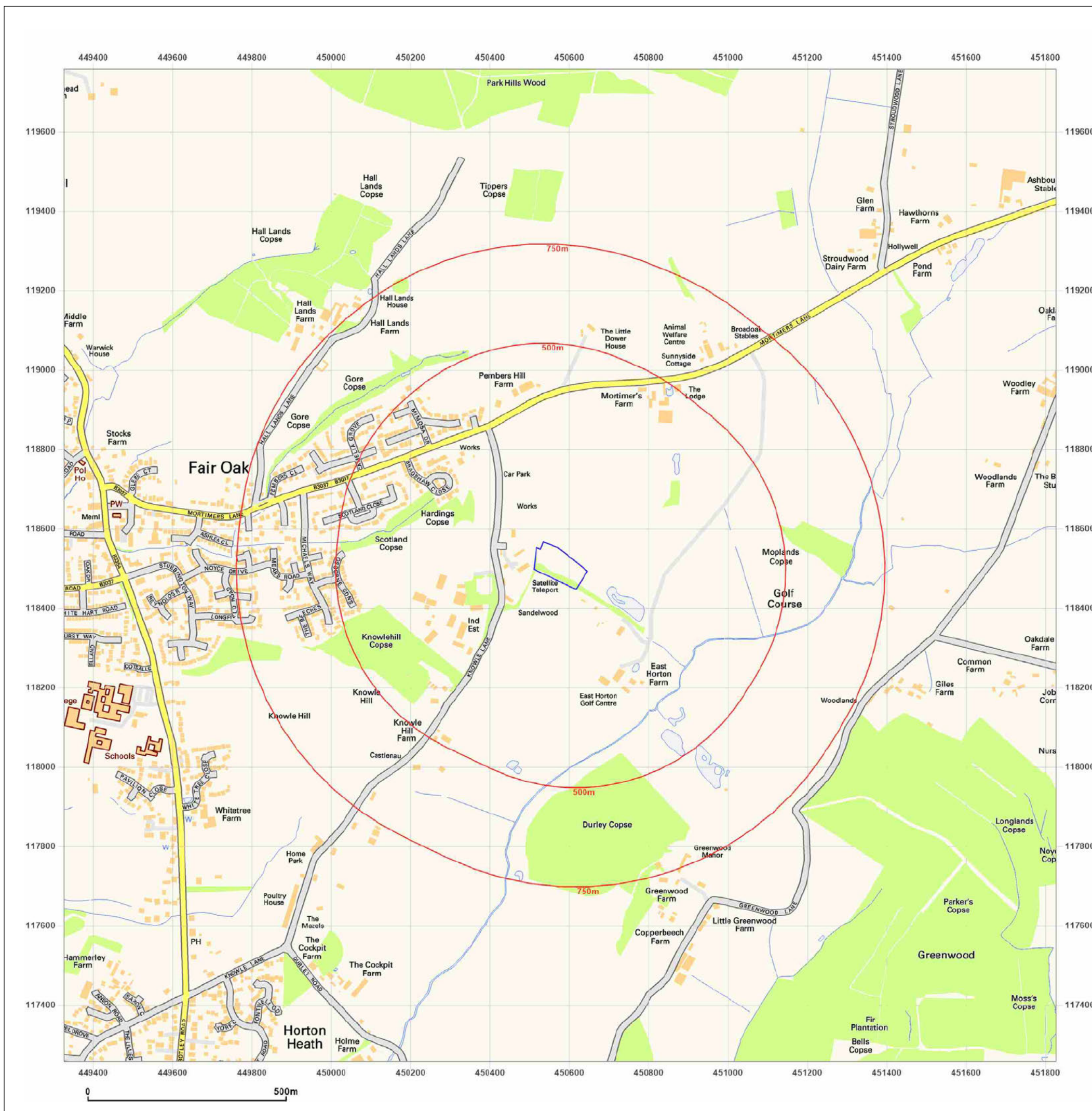


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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



Site Details:

THE MAZELS, KNOWLE LANE,
HORTON HEATH, SO50 7DZ

Client Ref: gwpr5317
Report Ref: GS-G51-8A3-4IW-I5K
Grid Ref: 450577, 118508

Map Name: National Grid

Map date: 2023

Scale: 1:10,000

Printed at: 1:10,000



2023

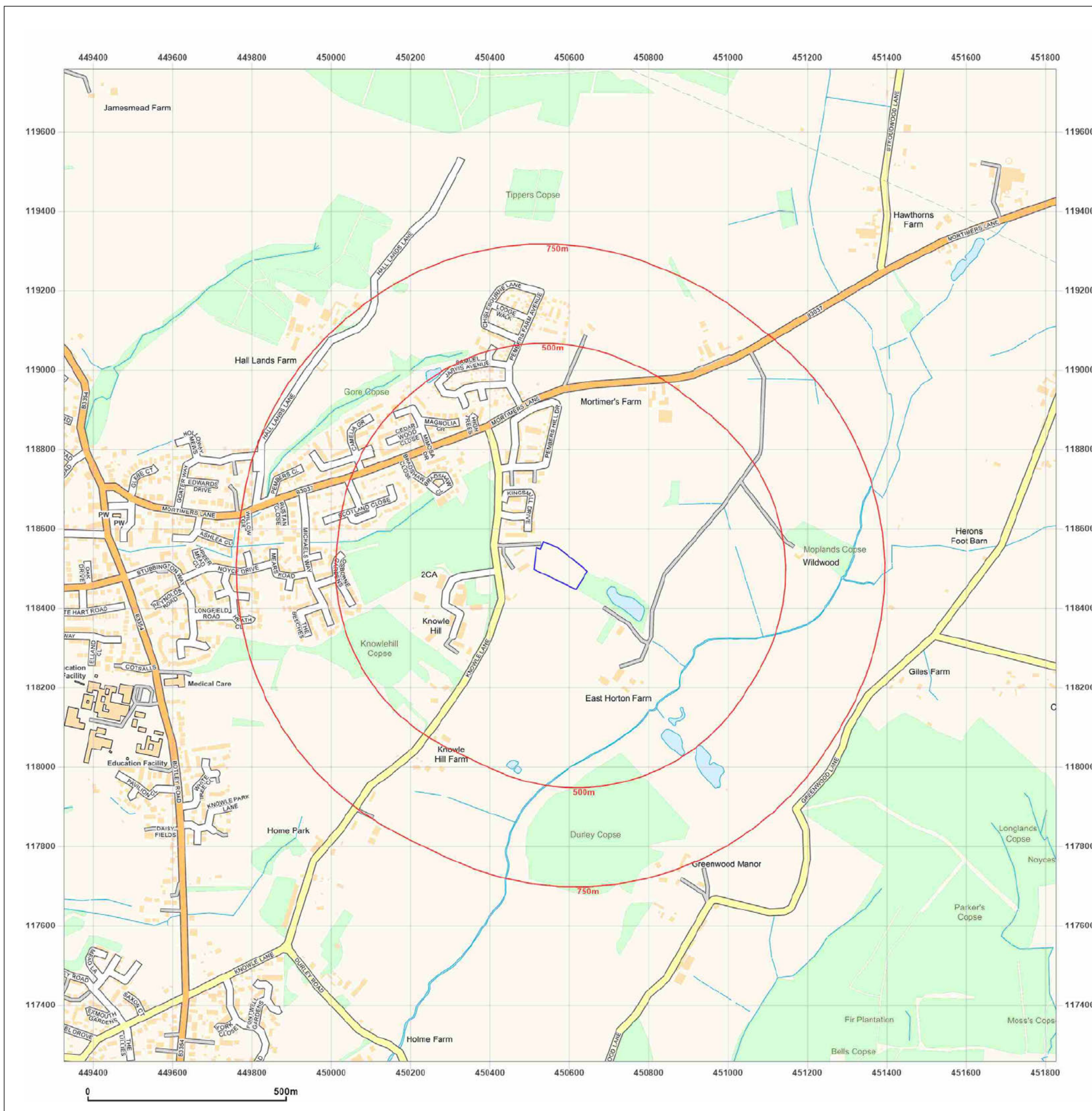


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 06 April 2023

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

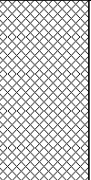
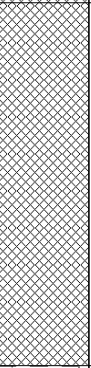
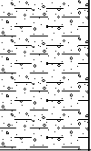


APPENDIX D: Trial Hole Logs



Trial Pit Log

Project Name: East Horton Business Park, Knowle Lane		Client: Parsons Construction Ltd		Date: 20/07/2023	
Location: Fair Oak, SO50 7DZ		Contractor: Ground and Water			
Project No. : GWPR5501		Crew Name:		Equipment:	
Location Number TP1	Location Type TP	Level	Logged By	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	D					MADE GROUND: Mid to dark brown, grey gravelly sandy SILT. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded brick (50%), concrete (25%), flint (20%) and metal (5%).	1
					0.60			MADE GROUND: Dark grey gravelly sandy CLAY. Sand is fine to medium. Gravel is fine to coarse sub-angular of brick (35%), wood (10%), ash (20%), flint (15%), pottery (5%) and concrete (15%). Strong organic odour.	
		1.00	D					Grey, yellowish brown, slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is fine to medium sub-angular of flint and fine selenite crystals. (LONDON CLAY FORMATION).	2
					1.80				
					2.30			End of Borehole at 2.300m	3
									4
									5

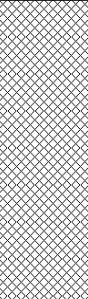
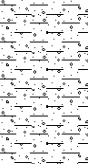
Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks Groundwater recorded at 1.60m bgl. Roots recorded to 2.30m bgl.						
---	--	--	--	--	--	---



Trial Pit Log

Project Name: East Horton Business Park, Knowle Lane		Client: Parsons Construction Ltd	Date: 20/07/2023	
Location: Fair Oak, SO50 7DZ		Contractor: Ground and Water		
Project No. : GWPR5501		Crew Name:		Equipment:
Location Number TP2	Location Type TP	Level	Logged By	Scale 1:25
				Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.40	D		1.00			MADE GROUND: Brown gravelly sandy SILT. Sand is fine to coarse. Gravel is fine to coarse sub-angular to sub-rounded brick (60%), concrete (20%), flint (10%) and bituminous material (10%).	1
		1.10	D					MADE GROUND: Grey, white, brown, gravelly slightly sandy CLAY. Sand is fine to medium. Gravel is fine to coarse sub-angular brick (30%), chalk (40%) and flint (30%).	2
					2.15			Orange, grey very slightly gravelly sandy clay. Sand is fine to medium. Gravel is fine sub-angular of flint. (LONDON CLAY FORMATION).	
					2.70			End of Borehole at 2.700m	3
									4
									5

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

Remarks No Groundwater recorded. Roots recorded to 2.15m bgl.							
---	--	--	--	--	--	--	---



Date: 20/07/2023

Contractor: Ground and Water

Equipment:

Page Number
Sheet 1 of 1

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

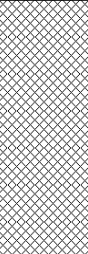
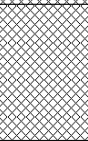
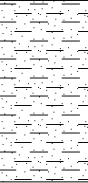
No Groundwater recorded.
Roots recorded to 2.10m bgl.





Trial Pit Log

Project Name: East Horton Business Park, Knowle Lane		Client: Parsons Construction Ltd		Date: 20/07/2023	
Location: Fair Oak, SO50 7DZ		Contractor: Ground and Water			
Project No. : GWPR5501		Crew Name:		Equipment:	
Location Number TP4	Location Type TP	Level	Logged By	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	D					MADE GROUND: Brown, orange gravelly sandy SILT. Sand is fine to medium. Gravel is fine to coarse sub-angular brick (30%), concrete (50%), flint (15%) and bituminous material (5%).	1
		1.00	D		0.85			MADE GROUND: Black, brown, white gravelly sandy CLAY. Sand is fine to medium. Gravel is fine to coarse sub-angular to sub-rounded chalk (30%), flint (20%), brick (30%), wood (10%) and ash (10%).	
					1.30			Orange, brown, grey sandy CLAY. Sand is fine to medium. Fine selenite crystals recorded. (LONDON CLAY FORMATION).	
					1.90			End of Borehole at 1.900m	2
									3
									4
									5

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

Remarks	
No Groundwater recorded. Roots recorded to 1.30m bgl.	



Date: 20/07/2023

Contractor: Ground and Water

Equipment:

Page Number
Sheet 1 of 1

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

Groundwater recorded at 1.80m bgl.
Roots recorded to 2.10m bgl.



APPENDIX E: Chemical Laboratory Testing Results



Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US

Tel: (01244) 528777
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

Ground and Water Ltd
Head Office
2 The Long Barn
Norton Farm, Selborne Road
Alton
Hampshire
GU34 3NB

Attention: Alex Stratford

CERTIFICATE OF ANALYSIS

Date of report Generation:	05 August 2023
Customer:	Ground and Water Ltd
Sample Delivery Group (SDG):	230721-49
Your Reference:	GWPR5501 East Horton Business Park, Knowle Lane, F
Location:	East Horton Business Park, Knowle Lane, Fair Oak,
Report No:	699194
Order Number:	GWPR5501

This report has been revised and directly supersedes 698332 in its entirety.

We received 10 samples on Friday July 21, 2023 and 10 of these samples were scheduled for analysis which was completed on Saturday August 05, 2023. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Laboratories (UK) Limited Hawarden.

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.

Incorrect sampling dates and/or sample information will affect the validity of results.

The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager





CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49 Report Number: 699194 Superseded Report: 698332
Client Ref.: GWPR5501 East Horton Busi Location: East Horton Business Park, Knowle Lane, Fair Oak,

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
28358886	TP1		0.20 - 0.20	20/07/2023
28358897	TP1		1.00 - 1.00	20/07/2023
28358901	TP2		0.40 - 0.40	20/07/2023
28358905	TP2		1.10 - 1.10	20/07/2023
28358910	TP3		0.30 - 0.30	20/07/2023
28358915	TP3		1.30 - 1.30	20/07/2023
28358920	TP4		0.30 - 0.30	20/07/2023
28358926	TP4		1.00 - 1.00	20/07/2023
28358930	TP5		0.30 - 0.30	20/07/2023
28358891	TP5		1.00 - 1.00	20/07/2023

Only received samples which have had analysis scheduled will be shown on the following pages.



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak,

Results Legend



Test



No Determination Possible

Sample Types -

S - Soil/Solid
 UNS - Unspecified Solid
 GW - Ground Water
 SW - Surface Water
 LE - Land Leachate
 PL - Prepared Leachate
 PR - Process Water
 SA - Saline Water
 TE - Trade Effluent
 TS - Treated Sewage
 US - Untreated Sewage
 RE - Recreational Water
 DW - Drinking Water
 Non regulatory
 UNL - Unspecified Liquid
 SL - Sludge
 G - Gas
 OTH - Other

	Lab Sample No(s)		Customer Sample Reference		AGS Reference		Depth (m)		Container		Sample Type	
	28358920	28358915	28358910	28358905	28358901	28358897	28358886	TP4	TP3	TP3	TP2	TP2
	0.30 - 0.30	1.30 - 1.30	0.30 - 0.30	1.10 - 1.10	0.40 - 0.40	1.00 - 1.00	0.20 - 0.20	1 kg TUB with Handle (ALE260)	250g Amber Jar (ALE215)	1 kg TUB with Handle (ALE260)	60g VOC (ALE215)	250g Amber Jar (ALE210)
	S	S	S	S	S	S	S	S	S	S	S	S
ANC at pH4 and ANC at pH 6	All	NDPs: 0 Tests: 2										
Anions by Kone (soil)	All	NDPs: 0 Tests: 10										
Anions by Kone (w)	All	NDPs: 0 Tests: 2										
Asbestos D in Solid Samples	All	NDPs: 0 Tests: 10										
Asbestos Quantification - Full	All	NDPs: 0 Tests: 1										
Boron Water Soluble	All	NDPs: 0 Tests: 10										
CEN Readings	All	NDPs: 0 Tests: 2										
Coronene	All	NDPs: 0 Tests: 2										
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 10										
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 2										
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 2										
EPH by GCxGC-FID	All	NDPs: 0 Tests: 2										
EPH CWG GC (S)	All	NDPs: 0 Tests: 10										
Fluoride	All	NDPs: 0 Tests: 2										
GRO by GC-FID (S)	All	NDPs: 0 Tests: 10										



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak,

Results Legend



Test



No Determination Possible

Sample Types

S - Soil/Solid
 UNS - Unspecified Solid
 GW - Ground Water
 SW - Surface Water
 LE - Land Leachate
 PL - Prepared Leachate
 PR - Process Water
 SA - Saline Water
 TE - Trade Effluent
 TS - Treated Sewage
 US - Untreated Sewage
 RE - Recreational Water
 DW - Drinking Water
 Non-regulatory
 UNL - Unspecified Liquid
 SL - Sludge
 G - Gas
 OTH - Other

Lab Sample No(s)

Customer Sample Reference

AGS Reference

Depth (m)

Container

Sample Type

			28358886	28358897	28358901	28358905	28358910	28358915	28358920
			TP1	TP1	TP2	TP2	TP3	TP3	TP4
			0.20 - 0.20	1.00 - 1.00	0.40 - 0.40	1.10 - 1.10	0.30 - 0.30	1.30 - 1.30	0.30 - 0.30
			1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	1kg TUB with Handle (ALE260)
			S	S	S	S	S	S	S
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	
Loss on Ignition in soils	All	NDPs: 0 Tests: 2		X			X		
Mercury Dissolved	All	NDPs: 0 Tests: 2		X			X		
Metals in solid samples by OES	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	
PAH 16 & 17 Calc	All	NDPs: 0 Tests: 2		X			X		
PAH by GCMS	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	
PCBs by GCMS	All	NDPs: 0 Tests: 2		X			X		
pH	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	
pH Value of Filtered Water	All	NDPs: 0 Tests: 2		X			X		
Phenols by HPLC (S)	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	
Phenols by HPLC (W)	All	NDPs: 0 Tests: 2		X			X		
Sample description	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	
Semi Volatile Organic Compounds	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	
Total Organic Carbon	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	
TPH CWG GC (S)	All	NDPs: 0 Tests: 10	X	X	X	X	X	X	

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak.

Results Legend



Test



No Determination Possible

Sample Types

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water
Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)	Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type	
28358920	TP4		0.30 - 0.30	1kg TUB with Handle (ALE260)	S	
28358915	TP3		1.30 - 1.30	60g VOC (ALE215)	S	X
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
28358910	TP3		0.30 - 0.30	60g VOC (ALE215)	S	X
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
28358905	TP2		1.10 - 1.10	60g VOC (ALE215)	S	X
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
28358901	TP2		0.40 - 0.40	60g VOC (ALE215)	S	X
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
28358897	TP1		1.00 - 1.00	60g VOC (ALE215)	S	X
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
28358886	TP1		0.20 - 0.20	60g VOC (ALE215)	S	X
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	
				60g VOC (ALE215)	S	
				250g Amber jar (ALE210)	S	
				1kg TUB with Handle (ALE260)	S	

28358891	TP5		1.00 - 1.00	60g VOC (ALE215)	S		X
				250g Amber Jar (ALE210)	S		
				1kg TUB with Handle (ALE260)	S		
28358930	TP5		0.30 - 0.30	60g VOC (ALE215)	S		X
				250g Amber Jar (ALE210)	S		
				1kg TUB with Handle (ALE260)	S		
28358926	TP4		1.00 - 1.00	60g VOC (ALE215)	S		X
				250g Amber Jar (ALE210)	S		
				1kg TUB with Handle (ALE260)	S		
28358920	TP4		0.30 - 0.30	60g VOC (ALE215)	S		X
				250g Amber Jar (ALE210)	S		



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49 Report Number: 699194 Superseded Report: 698332
Client Ref.: GWPR5501 East Horton Busi Location: East Horton Business Park, Knowle Lane, Fair Oak,

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm
-----------	----------	------	-----------------	--------	-------------	--------	------------	-------------	-------

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
28358886	TP1	0.20 - 0.20	Dark Brown	Sand	Brick	Vegetation
28358897	TP1	1.00 - 1.00	Dark Brown	Sandy Clay Loam	Stones	Vegetation
28358901	TP2	0.40 - 0.40	Light Brown	Sandy Loam	Stones	Brick
28358905	TP2	1.10 - 1.10	Light Brown	Sandy Clay Loam	Stones	None
28358910	TP3	0.30 - 0.30	Dark Brown	Loamy Sand	Brick	Stones
28358915	TP3	1.30 - 1.30	Dark Brown	Sandy Clay Loam	Stones	None
28358920	TP4	0.30 - 0.30	Dark Brown	Sand	Brick	Stones
28358926	TP4	1.00 - 1.00	Light Brown	Sandy Clay Loam	Stones	Vegetation
28358891	TP5	1.00 - 1.00	Dark Brown	Silty Clay Loam	Brick	Stones
28358930	TP5	0.30 - 0.30	Dark Brown	Sand	Brick	Stones

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49 Report Number: 699194 Superseded Report: 698332
Client Ref.: GWPR5501 East Horton Busi Location: East Horton Business Park, Knowle Lane, Fair Oak.

Results Legend			Customer Sample Ref		TP1	TP1	TP2	TP2	TP3	TP3
# ISO17025 accredited. M mCERTS accredited. aq Aqueous / settled sample. diss.filt Dissolved / filtered sample. tot.unfilt Total / unfiltered sample. * Subcontracted - refer to subcontractor report for accreditation status. ** % recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery. (F) Trigger breach confirmed 1-4**@ Sample deviation (see appendix)			Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20 - 0.20 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358886	1.00 - 1.00 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358897	0.40 - 0.40 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358901	1.10 - 1.10 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358905	0.30 - 0.30 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358910	1.30 - 1.30 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358915
Component	LOD/Units	Method								
Moisture Content Ratio (% of as received sample)	%	PM024	7.5	14	5	13	6.6	13		
Loss on ignition	<0.7 %	TM018		4.27			3.59			
				M			M			
Phenol	<0.01 mg/kg	TM062 (S)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
			M	M	M	M	M	M	M	M
Cresols	<0.01 mg/kg	TM062 (S)	<0.01	<0.01	0.0842	<0.01	<0.01	<0.01	<0.01	<0.01
			M	M	M	M	M	M	M	M
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015	<0.015	0.021	<0.015	<0.015	<0.015	<0.015	<0.015
			M	M	M	M	M	M	M	M
Phenols, Total Detected monohydric	<0.035 mg/kg	TM062 (S)	<0.035	<0.035	0.105	<0.035	<0.035	<0.035	<0.035	<0.035
			M	M	M	M	M	M	M	M
Organic Carbon, Total	<0.2 %	TM132	1.77	1.06	1.54	2.68	2.23	0.857		
			M	M	M	M	M	M		
Soil Organic Matter (SOM)	0.35 %	TM132	3.05	1.83	2.65	4.62	3.84	1.48		
			#	#	#	#	#	#		
pH	1 pH Units	TM133	8.53	7.95	8.55	7.95	8.87	8.31		
			M	M	M	M	M	M		
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
			M	M	M	M	M	M	M	M
Cyanide, Total	<1 mg/kg	TM153	<1	<1	<1	<1	<1	<1	<1	<1
			M	M	M	M	M	M	M	M
PCB congener 28	<0.003 mg/kg	TM168		<0.003			<0.06			
				M			M			
PCB congener 52	<0.003 mg/kg	TM168		<0.003			<0.06			
				M			M			
PCB congener 101	<0.003 mg/kg	TM168		<0.003			<0.06			
				M			M			
PCB congener 118	<0.003 mg/kg	TM168		<0.003			<0.06			
				M			M			
PCB congener 138	<0.003 mg/kg	TM168		<0.003			<0.06			
				M			M			
PCB congener 153	<0.003 mg/kg	TM168		<0.003			<0.06			
				M			M			
PCB congener 180	<0.003 mg/kg	TM168		<0.003			<0.06			
				M			M			
Sum of detected PCB 7 Congeners	<0.021 mg/kg	TM168		<0.021			<0.42			
Arsenic	<0.6 mg/kg	TM181	6.24	5.11	8.25	8.71	5.89	7.18		
			M	M	M	M	M	M		
Cadmium	<0.02 mg/kg	TM181	0.132	0.145	0.11	0.309	0.136	<0.02		
			M	M	M	M	M	M		
Chromium	<0.9 mg/kg	TM181	14.1	8.42	10.8	12.5	7.88	10.9		
			M	M	M	M	M	M		
Copper	<1.4 mg/kg	TM181	18.4	15.2	21.6	29	11.7	5.74		
			M	M	M	M	M	M		
Lead	<0.7 mg/kg	TM181	34	31.1	64.5	113	27.4	16		
			M	M	M	M	M	M		
Mercury	<0.1 mg/kg	TM181	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
			M	M	M	M	M	M	M	M
Nickel	<0.2 mg/kg	TM181	11.9	5.09	12	13.6	7.27	8.98		
			M	M	M	M	M	M	M	M
Selenium	<1 mg/kg	TM181	<1	<1	<1	<1	<1	<1	<1	<1
			#	#	#	#	#	#	#	#
Vanadium	0.2 mg/kg	TM181	23.5	12.7	24.1	25.4	17.2	26.9		
			#	#	#	#	#	#	#	#
Zinc	<1.9 mg/kg	TM181	75.8	64.4	169	187	75.3	30.7		
			M	M	M	M	M	M		
ANC @ pH 4	<0.03 mol/kg	TM182		0.142			.0932			
ANC @ pH 6	<0.03 mol/kg	TM182		0.0868			.0542			
Boron, water soluble	<1 mg/kg	TM222	<1	1.01	<1	<1	<1	<1	<1	<1
			M	M	M	M	M	M	M	M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243	0.111	0.0916	0.174	0.0698	0.116	0.0664		
			M	M	M	M	M	M		

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak,

[illegible]



Superseded Report: 698332

Location: East Horton Business Park, Knowle Lane, Fair Oak.

Page 12 of 34

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak.

PAH by GCMS

[illegible]



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak.

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref		TP1	TP1	TP2	TP2	TP3	TP3
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No (s) AGS Reference		0.20 - 0.20	1.00 - 1.00	0.40 - 0.40	1.10 - 1.10	0.30 - 0.30	1.30 - 1.30
M	mCERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
aq	Aqueous / settled sample.				20/07/2023	20/07/2023	20/07/2023	20/07/2023	20/07/2023	20/07/2023
disa	Disolved / filtered sample.				12:00	12:00	12:00	12:00	12:00	12:00
tot	unfitTotal / unfiltered sample.				21/07/2023	21/07/2023	21/07/2023	21/07/2023	21/07/2023	21/07/2023
*	Subcontracted - refer to subcontractor report for accreditation status.				230721-49	230721-49	230721-49	230721-49	230721-49	230721-49
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery.				28358886	28358897	28358901	28358905	28358910	28358915
(F)	Trigger breach confirmed									
1-4**@	Sample deviation (see appendix)									
Component	LOD/Units	Method								
Phenol	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Pentachlorophenol	<0.1 mg/kg	TM157	<10	<0.5	<0.5	<2.5	<1	<1		
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Nitrobenzene	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Isophorone	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Hexachloroethane	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157	<10	<0.1	<0.5	<2.5	<1	<1		
Hexachlorobutadiene	0.1 mg/kg	TM157	2	0.1	0.5	0.5	1	0.2		
Hexachlorobenzene	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
n-Dioctyl phthalate	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Dimethyl phthalate	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Diethyl phthalate	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
n-Dibutyl phthalate	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Dibenzofuran	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Carbazole	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Butylbenzyl phthalate	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
Azobenzene	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
4-Nitrophenol	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
4-Nitroaniline	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
4-Methylphenol	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
4-Chlorophenylphenylether	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
4-Chloroaniline	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
4-Bromophenylphenylether	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
3-Nitroaniline	0.1 mg/kg	TM157	2	0.1	0.5	0.5	1	0.2		
2-Nitrophenol	<0.1 mg/kg	TM157	<10	<0.1	<0.5	<2.5	<1	<1		
2-Nitroaniline	<0.1 mg/kg	TM157	<10	<0.1	<0.5	<2.5	<1	<1		
2 Methylphenol	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		
2-Chlorophenol	<0.1 mg/kg	TM157	<2	<0.1	<0.5	<0.5	<1	<0.2		



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak,

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		TP1	TP1	TP2	TP2	TP3	TP3
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20 - 0.20	1.00 - 1.00	0.40 - 0.40	1.10 - 1.10	0.30 - 0.30	1.30 - 1.30
M	mcERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
2g	Aqueous / settled sample.				20/07/2023	20/07/2023	20/07/2023	20/07/2023	20/07/2023	20/07/2023
disa.filt	Disolved / filtered sample.				12:00	12:00	12:00	12:00	12:00	12:00
tot.unfilt	Total / unfiltered sample.				21/07/2023	21/07/2023	21/07/2023	21/07/2023	21/07/2023	21/07/2023
* Subcontracted - refer to subcontractor report for accreditation status.					230721-49	230721-49	230721-49	230721-49	230721-49	230721-49
** % recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery					28358886	28358897	28358901	28358905	28358910	28358915
(F) Trigger breach confirmed										
1-4*9@ Sample deviation (see appendix)										
Component	LOD/Units	Method								
2,6-Dinitrotoluene	<0.1 mg/kg	TM157			<10	<0.1	<0.5	<2.5	<1	<1
2,4-Dinitrotoluene	<0.1 mg/kg	TM157			<10	<0.1	<0.5	<2.5	<1	<1
2,4-Dimethylphenol	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
2,4-Dichlorophenol	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
1,4-Dichlorobenzene	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
1,3-Dichlorobenzene	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
1,2-Dichlorobenzene	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
2-Chloronaphthalene	0.1 mg/kg	TM157			2	0.1	0.5	0.5	1	0.2
2-Methylnaphthalene	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
Acenaphthylene	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
Acenaphthene	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
Anthracene	<0.1 mg/kg	TM157			<2	0.128	<0.5	<0.5	<1	<0.2
Benzo(a)anthracene	<0.1 mg/kg	TM157			3.2	0.478	<0.5	<0.5	<1	<0.2
Benzo(b)fluoranthene	<0.1 mg/kg	TM157			<2	0.204	<0.5	<0.5	<1	<0.2
Benzo(k)fluoranthene	<0.1 mg/kg	TM157			2.18	0.327	<0.5	<0.5	<1	<0.2
Benzo(a)pyrene	<0.1 mg/kg	TM157			<2	0.314	<0.5	<0.5	<1	<0.2
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
Chrysene	<0.1 mg/kg	TM157			3.68	0.478	<0.5	<0.5	<1	<0.2
Fluoranthene	<0.1 mg/kg	TM157			3.93	0.98	<0.5	<0.5	1.37	<0.2
Fluorene	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157			<2	0.165	<0.5	<0.5	<1	<0.2
Phenanthrene	<0.1 mg/kg	TM157			<2	0.576	<0.5	<0.5	<1	<0.2
Pyrene	<0.1 mg/kg	TM157			4.42	0.892	<0.5	<0.5	1.41	<0.2
Naphthalene	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2
Bis(2-chloroisopropyl) ether	<0.1 mg/kg	TM157			<2	<0.1	<0.5	<0.5	<1	<0.2



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak.

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref		TP4	TP4	TP5	TP5		
# ISO17025 accredited. M mCERTS accredited. aq Aqueous / settled sample. diss.filt Dissolved / filtered sample. tot.unfilt(Total / unfiltered sample. * Subcontracted - refer to subcontractor report for accreditation status. ** % recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery. (F) Trigger breach confirmed 1-4*# Sample deviation (see appendix)			Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.30 - 0.30 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358920	1.00 - 1.00 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358926	0.30 - 0.30 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358930	1.00 - 1.00 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358931		
Component	LOD/Units	Method								
Phenol	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Pentachlorophenol	<0.1 mg/kg	TM157			<10	<0.5	<10	<0.2		
n-Nitroso-n-dipropylamine	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Nitrobenzene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Isophorone	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Hexachloroethane	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Hexachlorocyclopentadiene	<0.1 mg/kg	TM157			<10	<0.1	<10	<0.2		
Hexachlorobutadiene	0.1 mg/kg	TM157			2	0.1	2	0.2		
Hexachlorobenzene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
n-Dioctyl phthalate	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Dimethyl phthalate	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Diethyl phthalate	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
n-Dibutyl phthalate	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Dibenzofuran	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Carbazole	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Butylbenzyl phthalate	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
bis(2-Ethylhexyl) phthalate	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
bis(2-Chloroethoxy)methane	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
bis(2-Chloroethyl)ether	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Azobenzene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
4-Nitrophenol	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
4-Nitroaniline	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
4-Methylphenol	<0.1 mg/kg	TM157			4.22	<0.1	<2	<0.2		
4-Chlorophenylphenylether	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
4-Chloroaniline	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
4-Chloro-3-methylphenol	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
4-Bromophenylphenylether	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
3-Nitroaniline	0.1 mg/kg	TM157			2	0.1	2	0.2		
2-Nitrophenol	<0.1 mg/kg	TM157			<10	<0.1	<10	<0.2		
2-Nitroaniline	<0.1 mg/kg	TM157			<10	<0.1	<10	<0.2		
2 Methylphenol	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
1,2,4-Trichlorobenzene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
2-Chlorophenol	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak,

Semi Volatile Organic Compounds

Results Legend			Customer Sample Ref.		TP4	TP4	TP5	TP5		
#	ISO17025 accredited.		Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.30 - 0.30	1.00 - 1.00	0.30 - 0.30	1.00 - 1.00		
M	mCERTS accredited.				Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)		
aq	Aqueous / settled sample.				20/07/2023	20/07/2023	20/07/2023	20/07/2023		
disa	Filtered / filtered sample.				12:00	12:00	12:00	12:00		
tot.unfilt	Total / unfiltered sample.				21/07/2023	21/07/2023	21/07/2023	21/07/2023		
* Subcontracted - refer to subcontractor report for accreditation status.					230721-49	230721-49	230721-49	230721-49		
** % recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery					28358920	28358926	28358930	28358931		
(F) Trigger breach confirmed										
1-4*9@ Sample deviation (see appendix)										
Component	LOD/Units	Method								
2,6-Dinitrotoluene	<0.1 mg/kg	TM157			<10	<0.1	<10	<0.2		
2,4-Dinitrotoluene	<0.1 mg/kg	TM157			<10	<0.1	<10	<0.2		
2,4-Dimethylphenol	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
2,4-Dichlorophenol	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
2,4,6-Trichlorophenol	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
2,4,5-Trichlorophenol	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
1,4-Dichlorobenzene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
1,3-Dichlorobenzene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
1,2-Dichlorobenzene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
2-Chloronaphthalene	0.1 mg/kg	TM157			2	0.1	2	0.2		
2-Methylnaphthalene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Acenaphthylene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Acenaphthene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Anthracene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Benzo(a)anthracene	<0.1 mg/kg	TM157			<2	<0.1	2.38	<0.2		
Benzo(b)fluoranthene	<0.1 mg/kg	TM157			<2	<0.1	2.95	<0.2		
Benzo(k)fluoranthene	<0.1 mg/kg	TM157			<2	<0.1	3.11	<0.2		
Benzo(a)pyrene	<0.1 mg/kg	TM157			<2	<0.1	2.95	<0.2		
Benzo(g,h,i)perylene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Chrysene	<0.1 mg/kg	TM157			<2	<0.1	4.6	<0.2		
Fluoranthene	<0.1 mg/kg	TM157			<2	<0.1	8.4	<0.2		
Fluorene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Indeno(1,2,3-cd)pyrene	<0.1 mg/kg	TM157			<2	<0.1	2.8	<0.2		
Phenanthrene	<0.1 mg/kg	TM157			<2	<0.1	6.59	<0.2		
Pyrene	<0.1 mg/kg	TM157			<2	<0.1	7.84	<0.2		
Naphthalene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Dibenzo(a,h)anthracene	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		
Bis(2-chloroisopropyl) ether	<0.1 mg/kg	TM157			<2	<0.1	<2	<0.2		

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak.

TPH CWG (S)

[illegible]



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak.

VOC MS (S)

Results Legend			Customer Sample Ref	TP1	TP1	TP2	TP2	TP3	TP3
# ISO17025 accredited. M mCERTS accredited. aq Aqueous / settled sample. disa.filt Dissolved / filtered sample. tot.unfilt(Total) / unfiltered sample. * Subcontracted - refer to subcontractor report for accreditation status. ** % recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery. (F) Trigger breach confirmed 1-4**@ Sample deviation (see appendix)	Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference								
Component	LOD/Units	Method							
Dibromofluoromethane**	%	TM116	114	117	122	117	112	110	
Toluene-d8**	%	TM116	95.2	94.7	95.7	97	94.4	99	
4-Bromofluorobenzene**	%	TM116	93.7	70.5	81.8	75.3	91.7	89.7	
Dichlorodifluoromethane	<0.0005 mg/kg	TM116	<0.005 #	<0.0005 #	<0.0005 #	<0.0005 #	<0.005 #	<0.0005 #	
Chloromethane	<0.002 mg/kg	TM116	<0.02 #	<0.002 #	<0.002 #	<0.002 #	<0.02 #	<0.002 #	
Vinyl Chloride	<0.0005 mg/kg	TM116	<0.005 M	<0.0005 M	<0.0005 M	<0.0005 M	<0.005 M	<0.0005 M	
Bromomethane	<0.001 mg/kg	TM116	<0.01 M	<0.001 M	<0.001 M	<0.001 M	<0.01 M	<0.001 M	
Chloroethane	0 001 mg/kg	TM116	0 01 M	0 001 M	0 001 M	0 001 M	0 01 M	0 001 M	
Trichlorofluorormethane	<0.0005 mg/kg	TM116	<0.005 M	<0.0005 M	<0.0005 M	<0.0005 M	<0.005 M	<0.0005 M	
1,1-Dichloroethene	<0.0005 mg/kg	TM116	<0.005 #	<0.0005 #	<0.0005 #	<0.0005 #	<0.005 #	<0.0005 #	
Carbon Disulphide	<0.001 mg/kg	TM116	<0.01 M	0.00937 M	0.00189 M	0.00421 M	<0.01 M	.00657 M	
Dichloromethane	<0.005 mg/kg	TM116	<0.05 #	<0.005 #	<0.005 #	<0.005 #	<0.05 #	<0.005 #	
Methyl Tertiary Butyl Ether	<0.0005 mg/kg	TM116	<0.005 M	<0.0005 M	<0.0005 M	<0.0005 M	<0.005 M	<0.0005 M	
trans-1,2-Dichloroethene	<0.001 mg/kg	TM116	<0.01 M	<0.001 M	<0.001 M	<0.001 M	<0.01 M	<0.001 M	
1,1-Dichloroethane	<0.0005 mg/kg	TM116	<0.005 M	<0.0005 M	<0.0005 M	<0.0005 M	<0.005 M	<0.0005 M	
cis-1,2-Dichloroethene	<0.0005 mg/kg	TM116	<0.005 M	<0.0005 M	<0.0005 M	<0.0005 M	<0.005 M	<0.0005 M	
2,2-Dichloropropane	<0.001 mg/kg	TM116	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001	
Bromochloromethane	<0.002 mg/kg	TM116	<0.02 M	<0.002 M	<0.002 M	<0.002 M	<0.02 M	<0.002 M	
Chloroform	<0.003 mg/kg	TM116	<0.03 M	<0.003 M	<0.003 M	<0.003 M	<0.03 M	<0.003 M	
1,1,1-Trichloroethane	<0.0005 mg/kg	TM116	<0.005 M	<0.0005 M	<0.0005 M	<0.0005 M	<0.005 M	<0.0005 M	
1,1-Dichloropropene	<0.0005 mg/kg	TM116	<0.005 M	<0.0005 M	<0.0005 M	<0.0005 M	<0.005 M	<0.0005 M	
Carbontetrachloride	<0.0005 mg/kg	TM116	<0.005 M	<0.0005 M	<0.0005 M	<0.0005 M	<0.005 M	<0.0005 M	
1,2-Dichloroethane	<0.001 mg/kg	TM116	<0.01 M	<0.001 M	<0.001 M	<0.001 M	<0.01 M	<0.001 M	
Benzene	<0.001 mg/kg	TM116	<0.01 M	<0.002 M	<0.002 M	<0.002 M	<0.01 M	<0.001 M	
Trichloroethene	<0.001 mg/kg	TM116	<0.01 #	<0.001 #	<0.001 #	<0.001 #	<0.01 #	<0.001 #	
1,2-Dichloropropane	<0.0005 mg/kg	TM116	<0.005 M	<0.0005 M	<0.0005 M	<0.0005 M	<0.005 M	<0.0005 M	
Dibromomethane	<0.001 mg/kg	TM116	<0.01 M	<0.001 M	<0.001 M	<0.001 M	<0.01 M	<0.001 M	
Bromodichloromethane	0 002 mg/kg	TM116	0 02 M	0 002 M	0 002 M	0 002 M	0 02 M	0 002 M	
cis-1,3-Dichloropropene	<0.0005 mg/kg	TM116	<0.005 M	<0.0005 M	<0.0005 M	<0.0005 M	<0.005 M	<0.0005 M	
Toluene	<0.001 mg/kg	TM116	<0.01 M	0.00314 M	0.00194 M	0.00152 M	<0.01 M	<0.001 M	
trans 1 3 Dichloropropene	<0.001 mg/kg	TM116	<0.01	<0.001	<0.001	<0.001	<0.01	<0.001	
1,1,2-Trichloroethane	<0.001 mg/kg	TM116	<0.01 M	<0.001 M	<0.001 M	<0.001 M	<0.01 M	<0.001 M	
1,3-Dichloropropane	<0.001 mg/kg	TM116	<0.01 M	<0.001 M	<0.001 M	<0.001 M	<0.01 M	<0.001 M	



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak,

VOC MS (S)

Results Legend			Customer Sample Ref.		TP1	TP1	TP2	TP2	TP3	TP3
# ISO17025 accredited. M MCERTS accredited. 20 Aqueous / settled sample. dia. Filtr. Dissolved / filtered sample. tot.unfilt(Total / unfiltered sample). * Subcontracted - refer to subcontractor report for accreditation status. ** % recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery. (F) Trigger breach confirmed 1-4-9@ Sample deviation (see appendix)			Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.20 - 0.20 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358886	1.00 - 1.00 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358897	0.40 - 0.40 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358901	1.10 - 1.10 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358905	0.30 - 0.30 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358910	1.30 - 1.30 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358915
Component	LOD/Units	Method								
Tetrachloroethene	<0.002 mg/kg	TM116	<0.02		M	M	M	M	M	M
Dibromochloromethane	<0.002 mg/kg	TM116	<0.02		M	M	M	M	M	M
1,2-Dibromoethane	<0.001 mg/kg	TM116	<0.01		M	M	M	M	M	M
Chlorobenzene	<0.002 mg/kg	TM116	<0.02		M	M	M	M	M	M
1,1,1,2-Tetrachloroethane	<0.001 mg/kg	TM116	<0.01		M	M	M	M	M	M
Ethylbenzene	<0.001 mg/kg	TM116	<0.01		M	M	M	M	M	M
p/m-Xylene	<0.002 mg/kg	TM116	<0.02		#	#	#	#	#	#
o-Xylene	<0.002 mg/kg	TM116	<0.02		M	M	M	M	M	M
Styrene	<0.002 mg/kg	TM116	<0.02		#	#	#	#	#	#
Bromoform	0.002 mg/kg	TM116	0.02		M	M	M	M	M	M
Isopropylbenzene	<0.002 mg/kg	TM116	<0.02		#	#	#	#	#	#
1,1,2,2-Tetrachloroethane	<0.002 mg/kg	TM116	<0.02		#	#	#	#	#	#
1,2,3 Trichloropropane	<0.002 mg/kg	TM116	<0.02		M	M	M	M	M	M
Bromobenzene	<0.002 mg/kg	TM116	<0.02		M	M	M	M	M	M
Propylbenzene	<0.002 mg/kg	TM116	<0.02		M	M	M	M	M	M
2-Chlorotoluene	<0.003 mg/kg	TM116	<0.03		M	M	M	M	M	M
1,3,5-Trimethylbenzene	<0.002 mg/kg	TM116	<0.02		M	M	M	M	M	M
4-Chlorotoluene	<0.003 mg/kg	TM116	<0.03		M	M	M	M	M	M
tert-Butylbenzene	<0.002 mg/kg	TM116	<0.02		#	#	#	#	#	#
1,2,4-Trimethylbenzene	<0.003 mg/kg	TM116	<0.03		#	#	#	#	#	#
sec-Butylbenzene	<0.001 mg/kg	TM116	<0.01							
4-Isopropyltoluene	<0.002 mg/kg	TM116	<0.02							
1,3-Dichlorobenzene	<0.005 mg/kg	TM116	<0.05		M	M	M	M	M	M
1,4-Dichlorobenzene	<0.005 mg/kg	TM116	<0.05		M	M	M	M	M	M
n-Butylbenzene	<0.003 mg/kg	TM116	<0.03							
1,2-Dichlorobenzene	<0.005 mg/kg	TM116	<0.05		M	M	M	M	M	M
1,2-Dibromo-3-chloropropane	<0.002 mg/kg	TM116	<0.02		M	M	M	M	M	M
Tert-amyl methyl ether	<0.001 mg/kg	TM116	<0.01		#	#	#	#	#	#
1,2,4-Trichlorobenzene	<0.007 mg/kg	TM116	<0.07							
Hexachlorobutadiene	0.004 mg/kg	TM116	0.04							
Naphthalene	<0.008 mg/kg	TM116	<0.08		M	M	M	M	M	M
1,2,3-Trichlorobenzene	<0.01 mg/kg	TM116	<0.1		#	#	#	#	#	#
1, 5 Trichlorobenzene	<0.007 mg/kg	TM116	<0.07							

12:06:29 05/08/2023



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak,

VOC MS (S)

Results Legend			Customer Sample Ref		TP4	TP4	TP5	TP5		
# ISO17025 accredited. M mCERTS accredited. aq Aqueous / settled sample. diss.filt Dissolved / filtered sample. tot.unfilt Total / unfiltered sample. * Subcontracted - refer to subcontractor report for accreditation status. ** % recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery. (F) Trigger breach confirmed 1-4* Sample deviation (see appendix)			Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.30 - 0.30 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358920	1.00 - 1.00 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358926	0.30 - 0.30 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358930	1.00 - 1.00 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358931		
Component	LOD/Units	Method								
Dibromofluoromethane**	%	TM116			113	119	112	130		
Toluene-d8**	%	TM116			88.7	100	96.7	94		
4-Bromofluorobenzene**	%	TM116			78.2	86.9	95	74.3		
Dichlorodifluoromethane	<0.0005 mg/kg	TM116			<0.0005 #	<0.0005 #	<0.0005 #	<0.0005 #		
Chloromethane	<0.002 mg/kg	TM116			<0.002 #	<0.002 #	<0.002 #	<0.002 #		
Vinyl Chloride	<0.0005 mg/kg	TM116			<0.0005 M	<0.0005 M	<0.0005 M	<0.0005 M		
Bromomethane	<0.001 mg/kg	TM116			<0.001 M	<0.001 M	<0.001 M	<0.001 M		
Chloroethane	0.001 mg/kg	TM116			0.001 M	0.001 M	0.001 M	0.001 M		
Trichlorofluoromethane	<0.0005 mg/kg	TM116			<0.0005 M	<0.0005 M	<0.0005 M	<0.0005 M		
1,1-Dichloroethene	<0.0005 mg/kg	TM116			<0.0005 #	<0.0005 #	<0.0005 #	<0.0005 #		
Carbon Disulphide	<0.001 mg/kg	TM116			<0.001 M	0.0048 M	<0.001 M	0.00626 M		
Dichloromethane	<0.005 mg/kg	TM116			<0.005 #	<0.005 #	<0.005 #	<0.005 #		
Methyl Tertiary Butyl Ether	<0.0005 mg/kg	TM116			<0.0005 M	<0.0005 M	<0.0005 M	<0.0005 M		
trans-1,2-Dichloroethene	<0.001 mg/kg	TM116			<0.001 M	<0.001 M	<0.001 M	<0.001 M		
1,1-Dichloroethane	<0.0005 mg/kg	TM116			<0.0005 M	<0.0005 M	<0.0005 M	<0.0005 M		
cis-1,2-Dichloroethene	<0.0005 mg/kg	TM116			<0.0005 M	<0.0005 M	<0.0005 M	<0.0005 M		
2,2-Dichloropropane	<0.001 mg/kg	TM116			<0.001	<0.001	<0.001	<0.001		
Bromochloromethane	<0.002 mg/kg	TM116			<0.002 M	<0.002 M	<0.002 M	<0.002 M		
Chloroform	<0.003 mg/kg	TM116			<0.003 M	<0.003 M	<0.003 M	<0.003 M		
1,1,1-Trichloroethane	<0.0005 mg/kg	TM116			<0.0005 M	<0.0005 M	<0.0005 M	<0.0005 M		
1,1-Dichloropropene	<0.0005 mg/kg	TM116			<0.0005 M	<0.0005 M	<0.0005 M	<0.0005 M		
Carbontetrachloride	<0.0005 mg/kg	TM116			<0.0005 M	<0.0005 M	<0.0005 M	<0.0005 M		
1,2-Dichloroethane	<0.001 mg/kg	TM116			<0.001 M	<0.001 M	<0.001 M	<0.001 M		
Benzene	<0.001 mg/kg	TM116			<0.001 M	<0.001 M	<0.001 M	<0.002 M		
Trichloroethene	<0.001 mg/kg	TM116			<0.001 #	<0.001 #	<0.001 #	<0.001 #		
1,2-Dichloropropane	<0.0005 mg/kg	TM116			<0.0005 M	<0.0005 M	<0.0005 M	<0.0005 M		
Dibromomethane	<0.001 mg/kg	TM116			<0.001 M	<0.001 M	<0.001 M	<0.001 M		
Bromodichloromethane	0.002 mg/kg	TM116			0.002 M	0.002 M	0.002 M	0.002 M		
cis-1,3-Dichloropropene	<0.0005 mg/kg	TM116			<0.0005 M	<0.0005 M	<0.0005 M	<0.0005 M		
Toluene	<0.001 mg/kg	TM116			<0.001 M	0.0013 M	<0.001 M	0.00226 M		
trans 1 3 Dichloropropene	<0.001 mg/kg	TM116			<0.001	<0.001	<0.001	<0.001		
1,1,2-Trichloroethane	<0.001 mg/kg	TM116			<0.001 M	<0.001 M	<0.001 M	<0.001 M		
1,3-Dichloropropane	<0.001 mg/kg	TM116			<0.001 M	<0.001 M	<0.001 M	<0.001 M		



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak,

VOC MS (S)

Results Legend			Customer Sample Ref.		TP4	TP4	TP5	TP5		
# ISO17025 accredited. M mCERTS accredited. 20 Aqueous / settled sample. dia.Filt Dissolved / filtered sample. tot.unfilt(Total / unfiltered sample. * Subcontracted - refer to subcontractor report for accreditation status. ** % recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery. (F) Trigger breach confirmed 1-4-9@ Sample deviation (see appendix)			Depth (m) Sample Type Date Sampled Sample Time Date Received SDG Ref Lab Sample No.(s) AGS Reference		0.30 - 0.30 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358920	1.00 - 1.00 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358926	0.30 - 0.30 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358930	1.00 - 1.00 Soil/Solid (S) 20/07/2023 12:00 21/07/2023 230721-49 28358991		
Component	LOD/Units	Method								
Tetrachloroethene	<0.002 mg/kg	TM116	<0.002	M	<0.002	M	<0.02	M	<0.002	M
Dibromochloromethane	<0.002 mg/kg	TM116	<0.002	M	<0.002	M	<0.02	M	<0.002	M
1,2-Dibromoethane	<0.001 mg/kg	TM116	<0.001	M	<0.001	M	<0.01	M	<0.001	M
Chlorobenzene	<0.002 mg/kg	TM116	<0.002	M	<0.002	M	<0.02	M	<0.002	M
1,1,1,2-Tetrachloroethane	<0.001 mg/kg	TM116	<0.001	M	<0.001	M	<0.01	M	<0.001	M
Ethylbenzene	<0.001 mg/kg	TM116	<0.001	M	<0.001	M	<0.01	M	<0.001	M
p/m-Xylene	<0.002 mg/kg	TM116	<0.002	#	<0.002	#	<0.02	#	<0.002	#
o-Xylene	<0.002 mg/kg	TM116	<0.002	M	<0.002	M	<0.02	M	<0.002	M
Styrene	<0.002 mg/kg	TM116	<0.002	#	<0.002	#	<0.02	#	<0.002	#
Bromoform	0.002 mg/kg	TM116	0.002	M	0.002	M	0.02	M	0.002	M
Isopropylbenzene	<0.002 mg/kg	TM116	<0.002	#	<0.002	#	<0.02	#	<0.002	#
1,1,2,2-Tetrachloroethane	<0.002 mg/kg	TM116	<0.002	3 #	<0.002	#	<0.02	#	<0.002	#
1,2,3 Trichloropropane	<0.002 mg/kg	TM116	<0.002	M	<0.002	M	<0.02	M	<0.002	M
Bromobenzene	<0.002 mg/kg	TM116	<0.002	M	<0.002	M	<0.02	M	<0.002	M
Propylbenzene	<0.002 mg/kg	TM116	<0.002	M	<0.002	M	<0.02	M	<0.002	M
2-Chlorotoluene	<0.003 mg/kg	TM116	<0.003	M	<0.003	M	<0.03	M	<0.003	M
1,3,5-Trimethylbenzene	<0.002 mg/kg	TM116	<0.002	M	<0.002	M	<0.02	M	<0.002	M
4-Chlorotoluene	<0.003 mg/kg	TM116	<0.003	M	<0.003	M	<0.03	M	<0.003	M
tert-Butylbenzene	<0.002 mg/kg	TM116	<0.002	#	<0.002	#	<0.02	#	<0.002	#
1,2,4-Trimethylbenzene	<0.003 mg/kg	TM116	<0.003	#	<0.003	#	<0.03	#	<0.003	#
sec-Butylbenzene	<0.001 mg/kg	TM116	<0.001		<0.001		<0.01		<0.001	
4-Isopropyltoluene	<0.002 mg/kg	TM116	<0.002		<0.002		<0.02		<0.002	
1,3-Dichlorobenzene	<0.005 mg/kg	TM116	<0.005	M	<0.005	M	<0.05	M	<0.005	M
1,4-Dichlorobenzene	<0.005 mg/kg	TM116	<0.005	M	<0.005	M	<0.05	M	<0.005	M
n-Butylbenzene	<0.003 mg/kg	TM116	<0.003		<0.003		<0.03		<0.003	
1,2-Dichlorobenzene	<0.005 mg/kg	TM116	<0.005	M	<0.005	M	<0.05	M	<0.005	M
1,2-Dibromo-3-chloropropane	<0.002 mg/kg	TM116	<0.002	M	<0.002	M	<0.02	M	<0.002	M
Tert-amyl methyl ether	<0.001 mg/kg	TM116	<0.001	#	<0.001	#	<0.01	#	<0.001	#
1,2,4-Trichlorobenzene	<0.007 mg/kg	TM116	<0.007		<0.007		<0.07		<0.007	
Hexachlorobutadiene	0.004 mg/kg	TM116	0.004		0.004		0.04		0.004	
Naphthalene	<0.008 mg/kg	TM116	<0.008	M	<0.008	M	<0.08	M	<0.008	M
1,2,3-Trichlorobenzene	<0.01 mg/kg	TM116	<0.01	#	<0.01	#	<0.1	#	<0.01	#
1, 5 Trichlorobenzene	<0.007 mg/kg	TM116	<0.007		<0.007		<0.07		<0.007	



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak,

Asbestos Identification - Solid Samples

Results Legend

ISO17025 accredited.

M mCERES accredited.

* Subcontracted test.

(F) Trigger breach confirmed

1-5&\$\$@ Sample deviation (see appendix)

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Asbestos Actinolite	Asbestos Anthophyllite	Asbestos Tremolite	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP1 0.20 - 0.20 SOLID 20/07/2023 00:00:00 21/07/2023 05:00:00 230721-49 28358886 TM048	24/07/2023	Renata Bozhkov	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP1 1.00 - 1.00 SOLID 20/07/2023 00:00:00 21/07/2023 05:00:00 230721-49 28358897 TM048	24/07/2023	Renata Bozhkov	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP2 0.40 - 0.40 SOLID 20/07/2023 00:00:00 21/07/2023 05:00:00 230721-49 28358901 TM048	24/07/2023	Renata Bozhkov	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP2 1.10 - 1.10 SOLID 20/07/2023 00:00:00 21/07/2023 05:00:00 230721-49 28358905 TM048	24/07/2023	Renata Bozhkov	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP3 0.30 - 0.30 SOLID 20/07/2023 00:00:00 21/07/2023 05:00:00 230721-49 28358910 TM048	24/07/2023	Renata Bozhkov	ACM debris in soil.	Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP3 1.30 - 1.30 SOLID 20/07/2023 00:00:00 21/07/2023 05:00:00 230721-49 28358915 TM048	25/07/2023	Paul Poynton	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP4 0.30 - 0.30 SOLID 20/07/2023 00:00:00 21/07/2023 05:00:00 230721-49 28358920 TM048	24/07/2023	Odhran McLernon		Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP4 1.00 - 1.00 SOLID 20/07/2023 00:00:00 21/07/2023 05:00:00 230721-49 28358926 TM048	24/07/2023	Renata Bozhkov	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak.

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Asbestos Actinolite	Asbestos Anthophyllite	Asbestos Tremolite	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP5 0.30 - 0.30 SOLID 20/07/2023 00:00:00 21/07/2023 05:00:00 230721-49 28358930 TM048	25/07/2023	Paul Poynton	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP5 1.00 - 1.00 SOLID 20/07/2023 00:00:00 21/07/2023 05:00:00 230721-49 28358891 TM048	24/07/2023	Odhran McLernon		Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49

Report Number: 699194

Superseded Report: 698332

Client Ref.: GWPR5501 East Horton Busi

Location: East Horton Business Park, Knowle Lane, Fair Oak,

Asbestos Quantification - Full

Results Legend

ISO17025 accredited.

M mCERTS accredited.

* Subcontracted test.

(F) Trigger breach confirmed

1-5@ Sample deviation (see appendix)

		Additional Asbestos Components	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM	Asbestos Quantification - Total - %
Cust. Sample Ref.	TP3	None (#)		<0 001 (#)	<0 001 (#)	<0 001 (#)
Depth (m)	0.30 - 0.30					
Sample Type	SOLID					
Date Sampled	20/07/2023 00:00:00					
Date Received	21/07/2023 05:00:00					
SDG	230721-49					
Original Sample	28358910					
Method Number	TM304					



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49
Client Ref.: GWPR5501 East Horton Busi

Report Number: 699194

Superseded Report: 698332

Location: East Horton Business Park, Knowle Lane, Fair Oak,

CEN 10:1 SINGLE STAGE LEACHATE TEST

WAC ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference	
Mass Sample taken (kg)	0.102
Mass of dry sample (kg)	0.090
Particle Size <4mm	>95%

Site Location	East Horton Business Park, Knowle Lane, Fair Oak,
Natural Moisture Content (%)	13.9
Dry Matter Content (%)	87.8

Ca e	
SDG	230721-49
Lab Sample Number()	28358897
Sampled Date	20-Jul-2023
Cu tomer Sample Ref	TP1
Depth (m)	1.00 - 1.00

Landfill Waste Acceptance Criteria Limits

Inert Waste Landfill	Stable Non reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
3	5	6
-	-	10
6	-	-
1	-	-
500	-	-
100	-	-
-	>6	-
-	-	-
-	-	-

Solid Waste Analysis	Result
Total Organic Carbon (%)	1.06
Loss on Ignition (%)	4.27
Sum of BTEX (mg/kg)	<0.007
Sum of 7 PCBs (mg/kg)	<0.021
Mineral Oil (mg/kg) (EH_2D_AL)	7.95
PAH Sum of 17 (mg/kg)	<10
pH (pH Units)	7.95
ANC to pH 6 (mol/kg)	0.0868
ANC to pH 4 (mol/kg)	0.142

Eluate Analysis	C2 Conc ⁿ in 10:1 eluate (mg/l)		A2 10:1 conc ⁿ leached (mg/kg)		Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
	Result	Limit of Detection	Result	Limit of Detection			
Arsenic	0.00225	<0.0005	0.0225	<0.005	0.5	2	25
Barium	0.0259	<0.0002	0.259	<0.002	20	100	300
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	0.04	1	5
Chromium	0.001	0.001	<0.01	0.01	0.5	10	70
Copper	0.00122	<0.0003	0.0122	<0.003	2	50	100
Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.0001	<0.0001	0.01	0.2	2
Molybdenum	0.012	<0.003	0.12	<0.03	0.5	10	30
Nickel	0.0014	<0.0004	0.014	<0.004	0.4	10	40
Lead	0.0002	0.0002	0.002	0.002	0.5	10	50
Antimony	0.00328	<0.001	0.0328	<0.01	0.06	0.7	5
Selenium	<0.001	<0.001	<0.01	<0.01	0.1	0.5	7
Zinc	0.00399	<0.001	0.0399	<0.01	4	50	200
Chloride	2.6	<2	26	<20	800	15000	25000
Fluoride	0.526	0.5	5.26	5	10	150	500
Sulphate (soluble)	43.4	<2	434	<20	1000	20000	50000
Total Dissolved Solids	185	<10	1850	<100	4000	60000	100000
Total Monohydric Phenols (W)	<0.016	<0.016	<0.16	<0.16	1	-	-
Dissolved Organic Carbon	10.2	<3	102	<30	500	800	1000

Leach Test Information

Date Prepared	22-Jul-2023
pH (pH Units)	8.33
Conductivity (µS/cm)	238
Volume Leachant (Litres)	0.888

Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable

Leachates prepared in accordance with BS EN 12457 will be carried out at room temperature (20±5°C)

Stated limits are for guidance only and ALS Laboratories (UK) Limited cannot be held responsible for any discrepancies with current legislation

05/08/2023 12:06:38

12:06:29 05/08/2023



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49
Client Ref.: GWPR5501 East Horton Busi

Report Number: 699194

Superseded Report: 698332

Location: East Horton Business Park, Knowle Lane, Fair Oak,

CEN 10:1 SINGLE STAGE LEACHATE TEST

WAC ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference

Mass Sample taken (kg) 0.092

Mass of dry sample (kg) 0.090

Particle Size <4mm >95%

Site Location

East Horton Business Park, Knowle Lane, Fair Oak,

Natural Moisture Content (%) 2.45

Dry Matter Content (%) 97.6

Ca e

SDG 230721-49

Lab Sample Number() 28358910

Sampled Date 20-Jul-2023

Cu tomer Sample Ref TP3

Depth (m) 0.30 - 0.30

Landfill Waste Acceptance
Criteria Limits

Inert Waste Landfill	Stable Non reactive Hazardous Waste in Non- Hazardous Landfill	Hazardous Waste Landfill
3	5	6
-	-	10
6	-	-
1	-	-
500	-	-
100	-	-
-	>6	-
-	-	-
-	-	-

Solid Waste Analysis

Result

Total Organic Carbon (%)	2.23
Loss on Ignition (%)	3.59
Sum of BTEX (mg/kg)	<0.07
Sum of 7 PCBs (mg/kg)	<0.42
Mineral Oil (mg/kg) (EH_2D_AL)	277
PAH Sum of 17 (mg/kg)	12.4
pH (pH Units)	8.87
ANC to pH 6 (mol/kg)	0.0542
ANC to pH 4 (mol/kg)	0.0932

Eluate Analysis

C₂ Concⁿ in 10:1 eluate (mg/l)A₂ 10:1 concⁿ leached (mg/kg)Limit values for compliance leaching test
using BS EN 12457-3 at L/S 10 l/kg

	Result	Limit of Detection	Result	Limit of Detection			
Arsenic	0.00681	<0.0005	0.0681	<0.005	0.5	2	25
Barium	0.0108	<0.0002	0.108	<0.002	20	100	300
Cadmium	<0.00008	<0.00008	<0.0008	<0.0008	0.04	1	5
Chromium	0.00109	0.001	0.0109	0.01	0.5	10	70
Copper	0.00703	<0.0003	0.0703	<0.003	2	50	100
Mercury Dissolved (CVAF)	<0.00001	<0.00001	<0.0001	<0.0001	0.01	0.2	2
Molybdenum	0.00304	<0.003	0.0304	<0.03	0.5	10	30
Nickel	0.00191	<0.0004	0.0191	<0.004	0.4	10	40
Lead	0.000712	0.0002	0.00712	0.002	0.5	10	50
Antimony	0.00172	<0.001	0.0172	<0.01	0.06	0.7	5
Selenium	<0.001	<0.001	<0.01	<0.01	0.1	0.5	7
Zinc	0.0029	<0.001	0.029	<0.01	4	50	200
Chloride	2.9	<2	29	<20	800	15000	25000
Fluoride	0.5	0.5	5	5	10	150	500
Sulphate (soluble)	20.2	<2	202	<20	1000	20000	50000
Total Dissolved Solids	128	<10	1280	<100	4000	60000	100000
Total Monohydric Phenols (W)	<0.016	<0.016	<0.16	<0.16	1	-	-
Dissolved Organic Carbon	8.03	<3	80.3	<30	500	800	1000

Leach Test Information

Date Prepared	22-Jul-2023
pH (pH Units)	8.89
Conductivity (µS/cm)	168
Volume Leachant (Litres)	0.898

Solid Results are expressed on a dry weight basis, after correction for moisture content where applicable

Leachates prepared in accordance with BS EN 12457 will be carried out at room temperature (20±5°C)

Stated limits are for guidance only and ALS Laboratories (UK) Limited cannot be held responsible for any discrepancies with current legislation

05/08/2023 12:06:38

12:06:29 05/08/2023



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49 Report Number: 699194 Superseded Report: 698332
Client Ref.: GWPR5501 East Horton Busi Location: East Horton Business Park, Knowle Lane, Fair Oak,

Table of Results - Appendix

Method No	Description
PM024	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM089	Determination of Gasoline Range Hydrocarbons (GRO) by Headspace GC-FID (C4-C12)
TM151	Determination of Hexavalent Chromium using Kone analyser
TM181	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM304	Asbestos Quantification in Soil: Fibres identified by morphology only
TM048	Identification of Asbestos in Bulk Material
TM062 (S)	Determination of Phenols in Soils by HPLC
TM152	Analysis of Aqueous Samples by ICP-MS
TM153	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the Skalar SANS+ System Segmented Flow Analyser
TM168	Determination of WHO12 and EC7 Polychlorinated Biphenyl Congeners by GC-MS in Soils
TM218	The determination of PAH in soil samples by GC-MS
TM222	Determination of Hot Water Soluble Boron in Soils (10:1 Water:Soil) by ICP OES.
TM256	Determination of pH, EC, TDS and Alkalinity in Aqueous samples
TM415	Determination of Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID
PM115	Leaching Procedure for CEN One Stage Leach Test 2:1 & 10:1 1 Step
TM018	Determination of Loss on Ignition
TM090	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water
TM116	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM132	ELTRA CS800 Operators Guide
TM133	Determination of pH in Soil and Water using the GLpH pH Meter
TM243	Mixed Anions In Soils By Kone
TM259	Determination of Phenols in Waters and Leachates by HPLC
TM410	Determination of Coronene in soils by GCMS
TM104	Determination of Fluoride using the Kone Analyser
TM157	Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone
TM182	Determination of Acid Neutralisation Capacity (ANC) Using Autotitration in Soils
TM183	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM184	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers
TM414	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at AL Laboratories (UK) Limited Hawarden (Method codes TM)



CERTIFICATE OF ANALYSIS

Validated

SDG: 230721-49 Report Number: 699194 Superseded Report: 698332
Client Ref.: GWPR5501 East Horton Busi Location: East Horton Business Park, Knowle Lane, Fair Oak,

Test Completion Dates

Lab Sample No(s)
Customer Sample Ref.

AGS Ref.
Depth
Type

	28358886	28358897	28358901	28358905	28358910	28358915	28358920	28358926	28358891	28358930
	TP1	TP1	TP2	TP2	TP3	TP3	TP4	TP4	TP5	TP5
	0.20 - 0.20	1.00 - 1.00	0.40 - 0.40	1.10 - 1.10	0.30 - 0.30	1.30 - 1.30	0.30 - 0.30	1.00 - 1.00	1.00 - 1.00	0.30 - 0.30
	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
ANC at pH4 and ANC at pH 6		25-Jul-2023			25-Jul-2023					
Anions by Kone (soil)	25-Jul-2023	25-Jul-2023	28-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	26-Jul-2023	25-Jul-2023	26-Jul-2023	25-Jul-2023
Anions by Kone (w)		25-Jul-2023			25-Jul-2023					
Asbestos D in Solid Samples	24-Jul-2023	24-Jul-2023	24-Jul-2023	24-Jul-2023	24-Jul-2023	25-Jul-2023	24-Jul-2023	24-Jul-2023	24-Jul-2023	25-Jul-2023
Asbestos Quantification - Full					05-Aug-2023					
Boron Water Soluble	25-Jul-2023	26-Jul-2023	26-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	26-Jul-2023	25-Jul-2023	26-Jul-2023	25-Jul-2023
CEN 10 1 Leachate (1 Stage)		22-Jul-2023			22-Jul-2023					
CEN Readings		26-Jul-2023			26-Jul-2023					
Coronene		26-Jul-2023			26-Jul-2023					
Cyanide Comp/Free/Total/Thiocyanate	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023
Dissolved Metals by ICP-MS		26-Jul-2023			27-Jul-2023					
Dissolved Organic/Inorganic Carbon		26-Jul-2023			26-Jul-2023					
EPH by GCxGC-FID		28-Jul-2023			27-Jul-2023					
EPH CWG GC (S)	27-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	27-Jul-2023	26-Jul-2023	27-Jul-2023	27-Jul-2023	26-Jul-2023
Fluoride		25-Jul-2023			25-Jul-2023					
GRO by GC-FID (S)	26-Jul-202	26 Jul 202	26 Jul-202	27 Jul 202	26 Jul 202	26-Jul-202	26 Jul 202	26 Jul-202	26 Jul 202	26 Jul 202
Hexavalent Chromium (s)	24-Jul-2023	24-Jul-2023	24-Jul-2023	24-Jul-2023	24-Jul-2023	24-Jul-2023	24-Jul-2023	24-Jul-2023	24-Jul-2023	24-Jul-2023
Loss on Ignition in soils		26-Jul-2023			25-Jul-2023					
Mercury Dissolved		27-Jul-2023			27-Jul-2023					
Metals in solid samples by OES	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	27-Jul-2023	26-Jul-2023	27-Jul-2023	26-Jul-2023
Moisture at 105C		22-Jul-2023			22-Jul-2023					
PAH 16 & 17 Calc		27-Jul-2023			27-Jul-2023					
PAH by GCMS	26-Jul-2023	27-Jul-2023	26-Jul-2023	26-Jul-2023	27-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023
PCBs by GCMS		27-Jul-2023			27-Jul-2023					
pH	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023
pH Value of Filtered Water		26-Jul-2023			26-Jul-2023					
Phenols by HPLC (S)	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023	25-Jul-2023
Phenols by HPLC (W)		26-Jul-2023			26-Jul-2023					
Sample description	21-Jul-2023	21-Jul-2023	21-Jul-2023	22-Jul-2023	21-Jul-2023	22-Jul-2023	22-Jul-2023	22-Jul-2023	22-Jul-2023	21-Jul-2023
Semi Volatile Organic Compounds	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023
Total Organic Carbon	27-Jul-2023	26-Jul-2023	27-Jul-2023	27-Jul-2023	27-Jul-2023	27-Jul-2023	27-Jul-2023	27-Jul-2023	26-Jul-2023	27-Jul-2023
TPH CWG GC (S)	27-Jul-2023	26-Jul-2023	26-Jul-2023	27-Jul-2023	26-Jul-2023	27-Jul-2023	26-Jul-2023	27-Jul-2023	27-Jul-2023	26-Jul-2023
VOC MS (S)	27-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	27-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	26-Jul-2023	27-Jul-2023



CERTIFICATE OF ANALYSIS

SDG: 230721-49 Report Number: 699194 Superseded Report: 698332
Client Ref: GWPR5501 East Horton B Location: East Horton Business Park, Knowle Lane, Fair Oak,

Appendix

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH₄ by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 15 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part hereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. For dried and crushed preparations of soils volatile loss may occur e.g volatile mercury

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17 Data retention. All records, communications and reports pertaining to the analysis are archived for seven years from the date of issue of the final report.

General

18. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

19. Sample Deviations

If a sample is classed as deviated then the associated results may be compromised.

1	Container with Headspace provided for volatiles analysis
2	Incorrect container received
3	Deviation from method
4	Matrix interference
♦	Sample holding time exceeded in laboratory
@	Sample holding time exceeded due to late arrival of instructions or samples
§	Sampled on date not provided

20. Asbestos

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2021), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials and soils are obtained from supplied bulk materials and soils which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2021).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining.

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anorthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

APPENDIX F: Soil Assessment Criteria

Ground and Water Limited

Soil Guideline Values and Generic Assessment Criteria

The Contaminated Land Regime reflects the UK Government's stated objectives of achieving sustainable development through the 'suitable for use approach'. At preliminary risk assessment stage, risks are evaluated qualitatively. As the site investigation progresses to a generic or detailed quantitative risk assessment, data is collected and assessment criteria are utilised to evaluate whether the contaminants represent an unacceptable risk to the identified receptors.

1. Contaminated Land Exposure Assessment Model (CLEA)

Current United Kingdom risk assessment practice is based on the Contaminated Land Exposure Assessment Model (CLEA).

The CLEA Guidance comprises the following documents:

- 1) EA Science Report SC050021/SR2: Human health toxicological assessment of contaminants in soil.
- 2) EA Science Report SC050021/SR3: Updated technical background to the CLEA model.
- 3) EA CLEA Bulletin (2009).
- 4) CLEA software version 1.06 (2009)
- 5) Toxicological reports and SGV technical notes.

The CLEA guidance and tools:

- Do not cover other types of risk to humans, such as fire, suffocation or explosion, or short-term and acute exposures;
- Do not cover risks to the environment, such as groundwater, ecosystems or buildings;
- Do not provide a definitive test for telling when human health risks are significant; and
- Are not a legal requirement in assessing land contamination risks. They are not part of the legal regime for Part 2A of the Environmental Protection Act 1990.

The CLEA guidance derives soil concentrations of contaminants above which (in the opinion of the EA) there may be a concern that warrants further investigation. It does not provide a definitive test for establishing that the risk is significant.

1.1. Land-use Scenarios

The CLEA model uses a range of standard land-use scenarios to develop conceptual exposure models outlined in the following sections.

1.1.1. Residential (with home grown produce) (RwHP)

Generic scenario assumes a typical two-storey house built on a ground bearing slab with a private garden having a lawn, flowerbeds and a small fruit and vegetable patch.

- Critical receptor is a young female child (zero to six years old)
- Exposure duration is six years.
- Exposure pathways include direct soil and indoor dust ingestion, consumption of homegrown produce and any adhering soil, skin contact with soils and indoor dust and inhalation of indoor and outdoor dust and vapours.
- Building type is a two-storey small-terraced house.

A sub-set of this land-use is residential apartments with communal landscaped gardens where the consumption of home grown vegetables will not occur. (Residential without homegrown produce (RwoHP)).

1.1.2. Allotments

Provision of open space (about 250sq.m) commonly made available to tenants by the local authority to grow fruit and vegetable for their own consumption. Typically, there are a number of plots to a site which may have a total area of up to 1 hectare. The tenants are assumed to be adults and that young children make occasional accompanied visits.

Although some allotment holders may choose to keep animals including rabbits, hens, and ducks, potential exposure to contaminated meat and eggs is not considered.

- Critical receptor is a young female child (zero to six years old)
- Exposure duration is six years.
- Exposure pathways include direct soil ingestion, consumption of homegrown produce and any adhering soil, skin contact with soils and inhalation of outdoor dust and vapours.
- There is no building.

1.1.3. Commercial/Industrial

The generic scenario assumes a typical commercial or light industrial property comprising a three-storey building at which employees spend most time indoors and are involved in office-based or relatively light physical work.

- Critical receptor is a working female adult (aged 16 to 65 years old).
- Exposure duration is a working lifetime of 49 years.
- Exposure pathways include direct soil and indoor dust ingestion, skin contact with soils and dusts and inhalation of dust and vapours.
- Building type is a three-storey office (pre 1970).

2. LQM/CIEH Suitable 4 Use Levels (S4UL)

For derivation of these S4UL reference must be made to:

Nathanial, P., McCaffrey, C., Gillet, A., Ogden, R., Nathanial, J., *The LQM/CIEH S4UL's for Human Health Risk Assessment*. Land Quality Press. 2015

2.1. S4UL Background

The Land Quality Management/Chartered Institute of Environmental Health (LQM/CIEH) S4UL for a given land use is the concentration of the contaminant in soil at which the predicted daily exposure,

as calculated by the CLEA software, equals the Health Criteria Value. The S4ULs have been derived for substances based on various generic land use and soil organic matter contents.

The final output for each contaminant represents a synthesis of new toxicological (and fate and transport) reviews published since the preparation of the 2nd edition LQM/CIEH GAC's (Nathanial et al., 2009).

In the derivation of LQM/CIEH S4UL's the principles of 'minimal' or 'tolerable' risk enshrined in SR2, which has not been withdrawn, has been maintained.

2.2. S4UL Land-use

S4UL's have been derived for the basic CLEA land-uses, as described in section 1.2, and for two new land uses:

- Public Open Spaces near Residential Housing (POSresi).
- Public Park (POSpark).

2.2.1. Public Open Spaces near Residential Housing (POSresi)

Includes the predominantly grassed areas adjacent to high density housing, the central green area on many 1930's – 1970's housing estates, and smaller areas commonly incorporated in newer developments as informal grassed areas or more formal landscaped areas with a mixture of open space and covered soils with planting. It is assumed that the close proximity to the place of residence will allow tracking back of soil to occur.

2.2.2. Public Park (POSpark)

An area of open space, usually owned and maintained by the local authority, provided for recreational uses including family visits and picnics, children's play area, informal sporting activities (not a dedicated sports pitch), and dog walking. It is assumed that tracking back of soils into places of residence will be negligible.

The following LQM/CIEH S4ULs (Copyright Land Quality Management Limited) have been reproduced with permission, to the publication number S4UL3072.

3. Category 4 Screening Levels (C4SLs)

In the case of Lead, no SGV or GAC has been published to date. This is likely to be due to the toxicity review that is currently being undertaken by the Environment Agency. In the absence of updated toxicity information the SGV derived using CLEA 1.06 methodology and related toxicity will be used.

The overall objective of the C4SLs research project was to assist the provision of technical guidance in support of Defra's revised Statutory Guidance (SG) for Part 2A of the Environmental Protection Act 1990 (Part 2A) (Defra, 2012a). Specifically, the project aimed to deliver:

- A methodology for deriving C4SLs for four generic land-uses comprising residential, commercial, allotments and public open space; and
- A demonstration of the methodology, via the derivation of C4SLs for six substances – arsenic, benzene, benzo(a)pyrene, cadmium, chromium (VI) and lead.

To help achieve a more targeted approach to identifying and managing contaminated land in relation to the risk (or possibility) of harm to human health, the revised SG presented a new four category

system for considering land under Part 2A, ranging from Category 4, where there is no risk that land poses a significant possibility of significant harm (SPOSH), or the level of risk is low, to Category 1, where the risk that land poses a significant possibility of significant harm (SPOSH) is unacceptably high. More specific guidance on what type of land should be considered as Category 4 (Human Health) is provided in Paragraphs 4.21 and 4.22 of the revised SG, as follows:

“4.21 The local authority should consider that the following types of land should be placed into Category 4: Human Health:

(a) Land where no relevant contaminant linkage has been established.

(b) Land where there are only normal levels of contaminants in soil, as explained in Section 3 of this Guidance.

(c) Land that has been excluded from the need for further inspection and assessment because contaminant levels do not exceed relevant generic assessment criteria in accordance with Section 3 of this Guidance, or relevant technical tools or advice that may be developed in accordance with paragraph 3.30 of this Guidance.

(d) Land where estimated levels of exposure to contaminants in soil are likely to form only a small proportion of what a receptor might be exposed to anyway through other sources of environmental exposure (e.g. in relation to average estimated national levels of exposure to substances commonly found in the environment, to which receptors are likely to be exposed in the normal course of their lives).

4.22 The local authority may consider that land other than the types described in paragraph 4.21 should be placed into Category 4: Human Health if following a detailed quantitative risk assessment it is satisfied that the level of risk posed is sufficiently low.”

The C4SLs are intended as “relevant technical tools” (in relation to Paragraph 4.21(c)) to help local authorities and others when deciding to stop further assessment of a site, on the grounds that it falls within Category 4 (Human Health).

The Impact Assessment (IA), which accompanied the revised SG (Defra, 2012b) provides further information on the nature and potential role of the C4SLs. Paragraph 47(h) of the IA states that:

“The new statutory guidance will bring about a situation where the current SGVs/GACs are replaced with more pragmatic (but still strongly precautionary) Category 4 screening levels (C4SLs) which will provide a higher simple test for deciding that land is suitable for use and definitely not contaminated land.”

A key distinction between the Soil Guideline Values (SGVs) and the C4SLs is the level of risk that they describe. As described by the Environment Agency (2009a):

“SGVs are guidelines on the level of long-term human exposure to individual chemicals in soil that, unless stated otherwise, are tolerable or pose a minimal risk to human health.”

The implication of Paragraph 47(h) of the IA is that minimal risk is well within Category 4 and that the C4SLs should describe a higher level of risk which, whilst not minimal, can still be considered low enough to allow a judgement to be made that land containing substances at, or below, the C4SLs would typically fall within Category 4. This reflects Paragraph 4.20 of the revised SG, which states:

“4.20 The local authority should not assume that land poses a significant possibility of significant harm if it considers that there is no risk or that the level of risk posed is low. For the purposes of this Guidance, such land is referred to as a “Category 4: Human Health” case. The authority may decide that the land is a Category 4: Human Health case as soon as it considers it has evidence to this effect, and this may happen at any stage during risk assessment including the early stages.”

C4SLs, therefore, should not be viewed as “SPOSH levels” and they should not be used as a legal trigger for the determination of land under Part 2A.

The generic screening values referred to before usually take the form of risk-based Soil Guideline Values (SGVs) or other Generic Assessment Criteria (GACs) that are most typically derived using the Environment Agency’s Contaminated Land Exposure Assessment (CLEA) model, as described in the Environment Agency’s SR2, SR3 and SR7 reports (EA, 2009b & c; EA, 2008). It is anticipated that C4SLs will be used in a similar manner; as generic screening criteria that can be used within a GQRA, albeit describing a higher level of risk than the SGVs.

The suggested approach to the development of C4SLs consists of the retention and use of the CLEA framework, modified according to considerations of the underlying science within the context of Defra’s policy objectives relating to the revised SG. Within this context, it is suggested that the development of C4SLs may be achieved in one of three ways, namely:

- By modifying the toxicological parameters used within CLEA (while maintaining current exposure parameters);
- By modifying the exposure parameters embedded within CLEA (while maintaining current toxicological “minimal risk” interpretations); and
- By modifying both toxicological and exposure parameters.

There is also a suggested check on “other considerations” (e.g., background levels, epidemiological data, sources of uncertainty) within the approach, applicable to all three options.

It is suggested that a new term is defined for the toxicological guidance values associated with the derivation of C4SLs – a Low Level of Toxicological Concern (LLTC). A LLTC should represent an intake of low concern that remains suitably protective of health, and definitely does not approach an intake level that could be defined as SPOSH.

4. CL:AIRE Generic Assessment Criteria (GAC)

For derivation of the CL:AIRE Generic Assessment Criteria (GAC) reference should be made to the following report:

CL:AIRE, *The Soil Generic Assessment Criteria for Human Health Risk Assessment. Contaminated Land: Applications in the Real Environment*. 2009.

Within this report, Contaminated Land: Applications in Real Environments (CL:AIRE) provided Generic Assessment Criteria (GAC) in accordance with the CLEA software and the principles outlined previously for a further 35 contaminants sometimes encountered on land affected by contamination.

5. SoBRA Acute GAC

The Society of Brownfield Risk Assessment (SoBRA) identified that most human health risk assessments focus on the chronic risks arising from long-term exposure to specific substances. As chronic risks often occur at lower doses than acute risks, they are often the key drivers, however, in some instances the acute dose may also be an important consideration within risk assessments.

The methodology for deriving the acute GAC were related to two distinct receptor groups:

- Members of the public, where the 'critical' receptor for this group will typically be a female child, which is consistent with CLEA residential and Public Open Space/allotments land-uses;
- Workers involved with excavations. The critical receptor for this group is assumed to be a female working adult, without the use of PPE.

The acute GACs relate to short term exposure of high concentrations of a substance that lead to acute effects. They are not considered to be average exposures across a specific / defined area. As a result, the GACs should be normally be compared with the maximum likely concentration that the individual may be exposed to, and not the average concentration within a specific area.

The SoBRA acute GAC will primarily be used for contaminants that do not currently have any GAC, most notably Cyanide.

6. Detailed Quantitative Risk Assessments (DQRA)

Where the adoption of a GAC is not appropriate, for instance when the intended land-use is at variance the CLEA standard land-uses, then a DQRA may be undertaken to develop site specific values for relevant soil contaminants.

- | |
|---|
| <ul style="list-style-type: none">▪ Establishing the plausibility that generic exposure pathways exist in practice by measurement and observation.▪ Developing more accurate parameters using site data. |
|---|

7. Phytotoxicity

CLEA guidance only addresses human health toxicity; assessment of plant toxicity (phytotoxicity) is based on threshold trigger values obtained from the following source:

- BS3882:2015 – *Specification for Topsoil*

The trigger values are relevant only to those contaminants, where present in excess, have the potential to inhibit plant growth, or kill plants (Cu, Ni and Zn). The criteria have been based on a wide range of planting that are common within a multi-purpose topsoil.

8. Statistical Tests

DEFRA R&D Publication CLR 7 (DOE 1994) addressed the statistical treatment of test results and their comparison to Soil Guideline Values.

Consideration must be given to the appropriate area of land to be considered termed the critical averaging area.

For a communal open space or commercial land-use, the critical averaging area will depend on the proposed layout. For a residential use with private gardens the averaging area is the individual plot.

It may be appropriate to compare the upper 95th percentile concentration with the Soil Guideline Value, subject to applying a statistical test to establish that the range of concentrations are reasonably consistent and belonging to the same underlying distribution of data.

CL:AIRE published guidance in 2020, *Guidance in comparing soil contamination data with a critical concentration*, superseding the CL:AIRE/CIEH 2008 report of the same name. The guidance provides ways to assist land contamination stakeholders to apply statistical methods to their data to enable decisions under the legislative framework; either planning system or Part 2A of the Environmental Protection Act 1990.

The use of the statistical tests should only be applied if the following statements are valid for the datasets:

- Averaging areas, as well as the smallest area of concern have been identified on the basis of the CSM, including the desk study and/or the site walkover;
- The sample locations were chosen using a simple random, stratified random or stratified systematic (square, herringbone or triangular grid) sampling pattern, rather than being targeted to locations suspected of being contaminated;
- The sample locations are relatively evenly spread across the area and are not clustered, to avoid giving undue weight to some parts of the site over others in the calculated statistics;
- The analyses do not suggest a hotspot or outlier of contamination that should be treated as a separate zone. This has been established by a histogram and/or a names statistical test;
- The sample locations are all taken from one population (i.e. the same material);
- Where an averaging zone encompasses several averaging areas, analyses do not show a spatial trend or other spatial pattern across that zone; and
- The number of samples has been shown to be sufficient for a statistical analysis.

Any included statistical spreadsheet is based on an in-house method of statistical analysis, in line with those outlined within the CL:AIRE guidance (2020).

Treatment of Hot-Spots

- A statistical test is applied to establish whether the data is a part of a single set, or whether data outliers are present.
- Provided that the data is based on random sampling and no distinct contamination source was present at the sampling location, the hot-spot(s) may be excluded and the mean of the remaining data assessed.

9. Ground and Water Limited Soil Assessment Criteria

The Soil Assessment Criteria used in the preparation of the Generic Quantitative Risk Assessment are tabulated in the following pages, where the source of each has been outlined in the previous sections.

9.1. Inorganics

SoBRA – Acute Generic Assessment Criteria						
Determinand	RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
Cyanide	24	24	24	1400	24	24

9.2. Metals

C4SL Low Level of Toxicological Concern						
Determinand	RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
Lead	< 200	< 310	< 80	< 2300	< 630	< 1300

LQM/CIEH Suitable 4 Use Levels – Metals and Semi-metals						
Determinand	RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
Arsenic	37	40	43	640	79	170
Beryllium	1.7	1.7	35	12	2.2	63
Boron	290	11000	45	240000	21000	46000
Cadmium	11	85	1.9	190	120	532
Chromium (III)	910	910	18000	8600	1500	33000
Chromium (VI)	6	6	1.8	33	7.7	220
Copper	2400	7100	520	68000	12000	44000
Elemental Mercury	1.2	1.2	21	58	16	30
Inorganic Mercury	40	56	19	1100	120	240
Methylmercury	11	15	6	320	40	68
Nickel	130	180	53	980	230	800
Selenium	250	430	88	12000	1100	1800
Vanadium	410	1200	91	9000	2000	5000
Zinc	3700	40000	620	730000	81000	170000

Phytotoxicity (Harmful to Plants) Threshold Trigger Values			
Determinand	Soil pH < 6.0 (mg/kg)	Soil pH 6.0 – 7.0 (mg/kg)	Soil pH > 7.0 (mg/kg)
Copper	100	135	200
Nickel	60	75	110
Zinc	200	200	300
Notes: BS3882:2015 – <i>Specification for Topsoil</i> . Based on a wide range of common plants that will be exposed to multi-purpose topsoil. Toxicity of contaminant may also be impacted by pH of soils. Site observation of plant vitality may give additional guidance.			

CL:AIRE Soil Generic Assessment Criteria				
Determinand	Residential (mg/kg)	Residential without plant uptake (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)
Antimony	ND	550	ND	7500
Barium	ND	1300	ND	22000
Molybdenum	ND	670	ND	17000
ND – Not derived				

9.3. Total Petroleum Hydrocarbons (TPHs)

9.3.1. BTEX Compounds

LQM/CIEH Suitable 4 Use Levels – BTEX Compounds							
Determinand	Soil Organic Matter	RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
Benzene	1.0% SOM	0.087	0.38	0.017	27	72	90
	2.5% SOM	0.170	0.70	0.034	47	72	100
	6.0% SOM	0.370	1.40	0.075	90	73	110
Toluene	1.0% SOM	130	880	22	56000	56000	87000
	2.5% SOM	290	1900	51	110000	56000	95000
	6.0% SOM	660	3900	120	180000	56000	100000
Ethylbenzene	1.0% SOM	47	83	16	5700	24000	17000
	2.5% SOM	110	190	39	13000	24000	22000
	6.0% SOM	260	440	91	27000	25000	27000
o-Xylene	1.0% SOM	60	88	28	6600	41000	17000
	2.5% SOM	140	210	67	15000	42000	24000
	6.0% SOM	330	480	160	33000	43000	33000
m-Xylene	1.0% SOM	59	82	31	6200	41000	17000
	2.5% SOM	140	190	74	14000	42000	24000
	6.0% SOM	320	450	170	31000	43000	33000
p-Xylene	1.0% SOM	56	79	29	5900	41000	17000
	2.5% SOM	130	180	69	14000	42000	23000
	6.0% SOM	310	430	160	30000	43000	31000

SOM = Soil Organic Matter Content (%)

9.3.2. Total Petroleum Hydrocarbons – Aliphatic

LQM/CIEH Suitable 4 Use Levels For TPH							
Aliphatic		RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
EC 5-6	1.0% SOM	42	42	730	3,200 (304) ^{sol}	570,000 (304) ^{sol}	95,000 (304) ^{sol}
	2.5% SOM	78	78	1,700	5,900 (558) ^{sol}	590,000	130,000 (558) ^{sol}
	6.0% SOM	160	160	3,900	12,000 (1150) ^{sol}	600,000 (1150) ^{sol}	180,000 (1150) ^{sol}
EC >6-8	1.0% SOM	100	100	2,300	7,800 (144) ^{sol}	600,000	150,000 (144) ^{sol}
	2.5% SOM	230	230	5,600	17,000 (322) ^{sol}	610,000	220,000 (322) ^{sol}
	6.0% SOM	530	530	13,000	40,000 (736) ^{sol}	620,000	320,000 (736) ^{sol}
EC >8-10	1.0% SOM	27	27	320	2,000 (78) ^{sol}	13,000	14,000 (78) ^{sol}
	2.5% SOM	65	65	770	4,800 (118) ^{vap}	13,000	18,000 (118) ^{vap}
	6.0% SOM	150	150	1,700	11,000 (451) ^{vap}	13,000	21,000 (451) ^{vap}
EC >10-12	1.0% SOM	130 (48) ^{vap}	130 (48) ^{vap}	2,200	9,700 (48) ^{sol}	13,000	21,000 (48) ^{sol}
	2.5% SOM	330 (118) ^{vap}	330 (118) ^{vap}	4,400	23,000 (118) ^{vap}	13,000	23,000 (118) ^{vap}
	6.0% SOM	760 (283) ^{vap}	760 (283) ^{vap}	7,300	47,000 (283) ^{vap}	13,000	24,000 (283) ^{vap}
EC >12-16	1.0% SOM	1,100 (24) ^{sol}	1,100 (24) ^{sol}	11,000	59,000 (24) ^{sol}	13,000	25,000 (24) ^{sol}
	2.5% SOM	2,400 (59) ^{sol}	2,400 (59) ^{sol}	13,000	82,000 (59) ^{sol}	13,000	25,000 (59) ^{sol}
	6.0% SOM	4,300 (142) ^{sol}	4,400 (142) ^{sol}	13,000	90,000 (142) ^{sol}	13,000	26,000 (142) ^{sol}
EC >16-35	1.0% SOM	65,000 (8.48) ^{sol}	65,000 (8.48) ^{sol}	260,000	1,600,000	250,000	450,000
	2.5% SOM	92,000 (21) ^{sol}	92,000 (21) ^{sol}	270,000	1,700,000	250,000	480,000
	6.0% SOM	110,000	110,000	270,000	1,800,000	250,000	490,000
EC >35-44	1.0% SOM	65,000 (8.48) ^{sol}	65,000 (8.48) ^{sol}	260,000	1,600,000	250,000	450,000
	2.5% SOM	92,000 (21) ^{sol}	92,000 (21) ^{sol}	270,000	1,700,000	250,000	480,000
	6.0% SOM	110,000	110,000	270,000	1,800,000	250,000	490,000

SOM = Soil Organic Matter Content (%)

^{vap} – GAC presented exceeds the vapour saturation limit, which is presented in brackets.

^{sol} – GAC presented exceeds the soil saturation limit, which is presented in brackets.

9.3.3. Total Petroleum Hydrocarbons – Aromatic

LQM/CIEH Suitable 4 Use Levels For TPH							
Aromatic		RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
EC 5-7 (Benzene)	1.0% SOM	70	370	13	26,000 (1220) ^{sol}	56,000	76,000 (1220) ^{sol}
	2.5% SOM	140	690	27	46,000 (2260) ^{sol}	56,000	84,000 (2260) ^{sol}
	6.0% SOM	300	1,400	57	86,000 (4710) ^{sol}	56,000	92,000 (4710) ^{sol}
EC >7-8 (Toluene)	1.0% SOM	130	860	22	56,000 (869) ^{vap}	56,000	87,000 (869) ^{sol}
	2.5% SOM	290	1,800	51	110,000 (1920) ^{sol}	56,000	95,000 (1920) ^{sol}
	6.0% SOM	660	3,900	120	180,000 (4360) ^{vap}	56,000	100,000 (4360) ^{vap}
EC >8-10	1.0% SOM	34	47	8.6	3,500 (613) ^{vap}	5,000	7,200 (613) ^{vap}
	2.5% SOM	83	110	21	8,100 (1500) ^{vap}	5,000	8,500 (1500) ^{vap}
	6.0% SOM	190	270	51	17,000 (3850) ^{vap}	5,000	9,300 (3580) ^{vap}
EC >10-12	1.0% SOM	74	250	13	16,000 (364) ^{sol}	5,000	9,200 (364) ^{sol}
	2.5% SOM	180	590	31	28,000 (899) ^{sol}	5,000	9,700 (889) ^{sol}
	6.0% SOM	380	1,200	74	34,000 (2150) ^{sol}	5,000	10,000
EC >12-16	1.0% SOM	140	1,800	23	36,000 (169) ^{sol}	5,100	10,000
	2.5% SOM	330	2,300 (419) ^{sol}	57	37,000	5,100	10,000
	6.0% SOM	660	2,500	130	38,000	5,000	10,000
EC >16-21	1.0% SOM	260	1,900	46	28,000	3,800	7,600
	2.5% SOM	540	1,900	110	28,000	3,800	7,700
	6.0% SOM	930	1,900	260	28,000	3,800	7,800
EC >21-35	1.0% SOM	1,100	1,900	370	28,000	3,800	7,800
	2.5% SOM	1,500	1,900	820	28,000	3,800	7,800
	6.0% SOM	1,700	1,900	1,600	28,000	3,800	7,900
EC >35-44	1.0% SOM	1,100	1,900	370	28,000	3,800	7,800
	2.5% SOM	1,500	1,900	820	28,000	3,800	7,800
	6.0% SOM	1,700	1,900	1,600	28,000	3,800	7,900
EC >44-70	1.0% SOM	1,600	1,900	1,200	28,000	3,800	7,800
	2.5% SOM	1,800	1,900	2,100	28,000	3,800	7,800
	6.0% SOM	1,900	1,900	3,000	28,000	3,800	7,900
SOM = Soil Organic Matter Content (%)							
^{vap} – GAC presented exceeds the vapour saturation limit, which is presented in brackets.							
^{sol} – GAC presented exceeds the soil saturation limit, which is presented in brackets.							

9.4. Polycyclic Aromatic Hydrocarbons (PAHs)

LQM/CIEH Suitable 4 Use Levels For Polycyclic Aromatic Hydrocarbons (PAHs)							
Determinands		RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
Acenaphthene	1.0% SOM	210	3,000 (57.0) ^{sol}	34	84,000(57.0) ^{sol}	15,000	29,000
	2.5% SOM	510	4,700(141) ^{sol}	85	97,000(141) ^{sol}	15,000	30,000
	6.0% SOM	1100	6,000(336) ^{sol}	200	100,000	15,000	30,000
Acenaphthylene	1.0% SOM	170	2,900(86.1) ^{sol}	28	83,000(86.1) ^{sol}	15,000	29,000
	2.5% SOM	420	4,600(212) ^{sol}	69	97,000(212) ^{sol}	15,000	30,000
	6.0% SOM	920	6,000(506) ^{sol}	160	100,000	15,000	30,000
Anthracene	1.0% SOM	2,400	31,000(1.17) ^{vap}	380	520,000	74,000	150,000
	2.5% SOM	5,400	35,000	950	540,000	74,000	150,000
	6.0% SOM	11,000	37,000	2,200	540,000	74,000	150,000
Benzo(a)anthracene	1.0% SOM	7.20	11	2.90	170	29	49
	2.5% SOM	11	14	6.50	170	29	56
	6.0% SOM	13	15	13	180	29	62
Benzo(a)pyrene	1.0% SOM	2.20	3.20	0.97	35	5.70	11
	2.5% SOM	2.70	3.20	2.00	35	5.70	12
	6.0% SOM	3.00	3.20	3.50	36	5.70	13
Benzo(b)fluoranthene	1.0% SOM	2.60	3.90	0.99	44	7.10	13
	2.5% SOM	3.30	4.00	2.10	44	7.20	15
	6.0% SOM	3.70	4.00	3.90	45	7.20	16
Benzo(ghi)perylene	1.0% SOM	320	360	290	3,900	640	1,400
	2.5% SOM	340	360	470	4,000	640	1,500
	6.0% SOM	350	360	640	4,000	640	1,600
Benzo(k)fluoranthene	1.0% SOM	77	110	37	1,200	190	370
	2.5% SOM	93	110	75	1,200	190	410
	6.0% SOM	100	110	130	1,200	190	440
Chrysene	1.0% SOM	15	30	4.10	350	57	93
	2.5% SOM	22	31	9.40	350	57	110
	6.0% SOM	27	32	19	350	57	120
Dibenzo(ah)anthracene	1.0% SOM	0.24	0.31	0.14	3.50	0.57	1.10
	2.5% SOM	0.28	0.32	0.27	3.50	0.57	1.30
	6.0% SOM	0.30	0.32	0.43	3.60	0.58	1.40
Fluoranthene	1.0% SOM	280	1,500	52	23,000	3,100	6,300
	2.5% SOM	560	1,600	130	23,000	3,100	6,300
	6.0% SOM	890	1,600	290	23,000	3,100	6,300
Flourene	1.0% SOM	170	2,800 (30.9) ^{sol}	27	63,000(30.9) ^{sol}	9,900	20,000
	2.5% SOM	400	3,800(76.5) ^{sol}	67	68,000	9,900	20,000
	6.0% SOM	860	4,500(183) ^{sol}	160	71,000	9,900	20,000
Indeno(123-cd)pyrene	1.0% SOM	27	45	9.50	500	82	150
	2.5% SOM	36	46	21	510	82	170
	6.0% SOM	41	46	39	510	82	180
Naphthalene	1.0% SOM	2.30	2.6	4.10	190 (76.4) ^{sol}	4,900	1,200(76.4) ^{sol}
	2.5% SOM	5.60	5.6	10	460 (183) ^{sol}	4,900	1,900(183) ^{sol}
	6.0% SOM	13	13	24	1,100 (432) ^{sol}	4,900	3,000
Phenanthrene	1.0% SOM	95	1,300(183) ^{sol}	15	22,000	3,100	6,200
	2.5% SOM	220	1,500	38	22,000	3,100	6,200
	6.0% SOM	440	1,500	90	23,000	3,100	6,300
Pyrene	1.0% SOM	620	3,700	110	54,000	7,400	15,000
	2.5% SOM	1200	3,800	270	54,000	7,400	15,000
	6.0% SOM	2000	3,800	620	54,000	7,400	15,000
Coal Tar (Benzo(a)pyrene used as marker compound)	1.0% SOM	0.79	1.2	0.32	15	2.20	4.40
	2.5% SOM	0.98	1.2	0.67	15	2.20	4.70
	6.0% SOM	1.10	1.2	1.20	15	2.20	4.80
SOM = Soil Organic Matter Content (%) ^{vap} – GAC presented exceeds the vapour saturation limit, which is presented in brackets. ^{sol} – GAC presented exceeds the soil saturation limit, which is presented in brackets.							

9.5. Volatile and Semi-volatile Organic Compounds

LQM CIEH General Assessment Criteria: Volatile and Semi-Volatile Organic Compounds							
Determinands		RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
<i>Chloroalkanes & alkenes</i>							
1,2 Dichloroethane	1.0% SOM	0.11	0.16	0.054	12	300	300
	2.5% SOM	0.18	0.24	0.100	17	310	330
	6.0% SOM	0.31	0.41	0.190	29	310	380
1,1,2,2 Tetrachloroethane	1.0% SOM	1.60	3.90	0.41	270	1,400	1,800
	2.5% SOM	3.40	8.00	0.89	550	1,400	2,100
	6.0% SOM	7.50	17	2.00	1,100	1,400	2,300
1,1,1,2 Tetrachloroethane	1.0% SOM	1.20	1.50	0.79	110	1,400	1,500
	2.5% SOM	2.80	3.50	1.90	250	1,400	1,800
	6.0% SOM	6.40	8.20	4.40	560	1,400	2,100
Tetrachloroethene	1.0% SOM	0.31	0.32	2.0	24	3,200	1,400
	2.5% SOM	0.70	0.71	4.8	55	3,300	1,900
	6.0% SOM	1.60	1.60	11.0	130	3,400	2,500
1,1,1 Trichloroethane	1.0% SOM	8.80	9.00	48	660	140,000	57,000 vap(1425)
	2.5% SOM	18	18	110	1,300	140,000	76,000 vap(2915)
	6.0% SOM	39	40	240	3,000	140,000	100,000 vap (6392)
Tetrachloromethene	1.0% SOM	0.026	0.026	0.45	2.90	890	190
	2.5% SOM	0.056	0.056	1.00	6.30	920	270
	6.0% SOM	0.130	0.130	2.40	14	950	400
Trichloroethene	1.0% SOM	0.0093	0.0097	0.0320	0.73	76	41
	2.5% SOM	0.0200	0.0200	0.0720	1.50	78	54
	6.0% SOM	0.0430	0.0450	0.1600	3.40	79	69
Trichloromethane	1.0% SOM	0.91	1.20	0.42	99	2,500	2,600
	2.5% SOM	1.70	2.10	0.83	170	2,500	2,800
	6.0% SOM	3.40	4.20	1.70	350	2,500	3,100
Vinyl Chloride	1.0% SOM	0.0064	0.0150	0.0017	1.1	7.8	18
	2.5% SOM	0.0100	0.0190	0.0031	1.4	7.8	19
	6.0% SOM	0.0170	0.0290	0.0058	2.2	7.8	19
<i>Explosives</i>							
2,4,6 Trinitrotoluene	1.0% SOM	1.60	65	0.24	1,000	130	260
	2.5% SOM	3.70	66	0.58	1,000	130	270
	6.0% SOM	8.10	66	1.40	1,000	130	270
RDX (Hexogen/Cyclonite/1,3,5-trinitro-1,3,5-triazacyclohexane)	1.0% SOM	120	13,000	17	210,000	26,000	49,000(18.7) ^{sol}
	2.5% SOM	250	13,000	38	210,000	26,000	51,000
	6.0% SOM	540	13,000	85	210,000	27,000	53,000
HMX (Octogen/1,3,5,7-tetrenitro-1,3,5,7-tetrazacyclo-octane)	1.0% SOM	5.70	67,00	0.86	110,000	13,000	23,000(0.35) ^{vap}
	2.5% SOM	13	67,00	1.90	110,000	13,000	23,000(0.39) ^{vap}
	6.0% SOM	26	67,00	3.90	110,000	13,000	24,000(0.48) ^{vap}
Atrazine	1.0% SOM	3.30	610	0.50	9,300	1,200	2,300
	2.5% SOM	7.60	620	1.20	9,400	1,200	2,400
	6.0% SOM	17.40	620	2.70	9,400	1,200	2,400

^{vap} – GAC presented exceeds the vapour saturation limit, which is presented in brackets.
^{sol} – GAC presented exceeds the soil saturation limit, which is presented in brackets.

VOC and SVOC table continued overleaf

VOC and SVOC table continued from previous page

LQM CIEH General Assessment Criteria: Volatile and Semi-Volatile Organic Compounds							
Determinands		RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
Pesticides							
Aldrin	1.0% SOM	5.70	7.30	3.20	170	18	30
	2.5% SOM	6.60	7.40	6.10	170	18	31
	6.0% SOM	7.10	7.50	9.60	170	18	31
Dieldrin	1.0% SOM	0.97	7.00	0.17	170	18	30
	2.5% SOM	2.00	7.30	0.41	170	18	30
	6.0% SOM	3.50	7.40	0.96	170	18	31
Dichlorvos	1.0% SOM	0.032	6.40	0.0049	140	16	26
	2.5% SOM	0.066	6.50	0.0100	140	16	26
	6.0% SOM	0.140	6.60	0.0220	140	16	27
Alpha - Endosulfan	1.0% SOM	7.40	160(0.003) ^{vap}	1.20	5,600(0.003) ^{vap}	1,200	2,400
	2.5% SOM	18	280(0.007) ^{vap}	2.90	7,400(0.007) ^{vap}	1,200	2,400
	6.0% SOM	41	410(0.016) ^{vap}	6.80	8,400(0.016) ^{vap}	1,200	2,400
Beta - Endosulfan	1.0% SOM	7.00	190(0.00007) ^{vap}	1.10	6,300(0.00007) ^{vap}	1,200	2,400
	2.5% SOM	17	320(0.0002) ^{vap}	2.70	7,800(0.0002) ^{vap}	1,200	2,400
	6.0% SOM	39	440(0.0004) ^{vap}	6.40	8700	1,200	2,500
Alpha - Hexachlorocyclohexanes	1.0% SOM	0.23	6.90	0.035	170	24	47
	2.5% SOM	0.55	9.20	0.087	180	24	48
	6.0% SOM	1.20	11	0.210	180	24	48
Beta - Hexachlorocyclohexanes	1.0% SOM	0.085	3.70	0.013	65	8.10	15
	2.5% SOM	0.200	3.80	0.032	65	8.10	15
	6.0% SOM	0.460	3.80	0.077	65	8.10	16
Gamma - Hexachlorocyclohexanes	1.0% SOM	0.06	2.90	0.0092	67	8.2	14
	2.5% SOM	0.14	3.30	0.0230	69	8.2	15
	6.0% SOM	0.33	3.50	0.0540	70	8.2	15
Chlorobenzenes							
Chlorobenzene	1.0% SOM	0.46	0.46	5.90	56	11,000	1,300(675) ^{sol}
	2.5% SOM	1.00	1.00	14	130	13,000	2,000(1520) ^{sol}
	6.0% SOM	2.40	2.40	32	290	14,000	2,900
1,2-Dichlorobenzene	1.0% SOM	23	24	94	2,000 (571) ^{sol}	90,000	24,000(571) ^{sol}
	2.5% SOM	55	57	230	4,800 (1370) ^{sol}	95,000	36,000(1370) ^{sol}
	6.0% SOM	130	130	540	11,000 (3240) ^{sol}	98,000	51,000(3240) ^{sol}
1,3-Dichlorobenzene	1.0% SOM	0.40	0.44	0.25	30	300	390
	2.5% SOM	1.00	1.10	0.60	73	300	440
	6.0% SOM	2.30	2.50	1.50	170	300	470
1,4-Dichlorobenzene	1.0% SOM	61	61	15	4,400 (224) ^{vap}	17,000 ^g	36,000 (224) ^{vap}
	2.5% SOM	150	150	37	10,000 (540) ^{vap}	17,000 ^g	36,000 (540) ^{vap}
	6.0% SOM	350	350	88 ^g	25,000 (1280) ^{vap}	17,000 ^g	36,000 (1280) ^{vap}
1,2,3,-Trichlorobenzene	1.0% SOM	1.50	1.50	4.70	102	1,800	770(134) ^{vap}
	2.5% SOM	3.60	3.70	12	250	1,800	1,100(330) ^{vap}
	6.0% SOM	8.60	8.80	28	590	1,800	1,600(789) ^{vap}
1,2,4,-Trichlorobenzene	1.0% SOM	2.60	2.60	55	220	15,000	1,700(318) ^{vap}
	2.5% SOM	6.40	6.40	140	530	17,000	2,600(786) ^{vap}
	6.0% SOM	15	15	320	1,300	19,000	4,000(1880) ^{vap}
1,3,5,-Trichlorobenzene	1.0% SOM	0.33	0.33	4.70	23	1,700	380(36.7) ^{vap}
	2.5% SOM	0.81	0.81	12	55	1,700	590(90.8) ^{vap}
	6.0% SOM	1.90	1.90	140	130	1,800	860(217) ^{vap}
^{vap} – GAC presented exceeds the vapour saturation limit, which is presented in brackets.							
^{sol} – GAC presented exceeds the soil saturation limit, which is presented in brackets.							

VOC and SVOC table continued overleaf

VOC and SVOC table continued from previous page

LQM CIEH General Assessment Criteria: Volatile and Semi-Volatile Organic Compounds							
Determinands		RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)	POSresi (mg/kg)	POSpark (mg/kg)
Chlorobenzenes (cont.)							
1,2,3,4,- Tetrachlorobenzene	1.0% SOM	15	24	4.40	1,700(122) ^{vap}	830	1,500(122) ^{vap}
	2.5% SOM	36	56	11	3,080(304) ^{vap}	830	1,600
	6.0% SOM	78	120	26	4,400(728) ^{vap}	830	1,600
1,2,3,5,- Tetrachlorobenzene	1.0% SOM	0.66	0.75	0.38	49(39.4) ^{vap}	78	110(39) ^{vap}
	2.5% SOM	1.60	1.90	0.90	120(98.1) ^{vap}	79	120
	6.0% SOM	3.70	4.30	2.20	240(235) ^{vap}	79	130
1,2,4, 5,- Tetrachlorobenzene	1.0% SOM	0.33	0.73	0.06	42(19.7) ^{sol}	13	25
	2.5% SOM	0.77	1.70	0.16	72(49.1) ^{sol}	13	26
	6.0% SOM	1.60	3.50	0.37	96	13	26
Pentachlorobenzene	1.0% SOM	5.80	19	1.20	640(43.0) ^{sol}	100	190
	2.5% SOM	12	30	3.10	770(107) ^{sol}	100	190
	6.0% SOM	22	38	7.00	830	100	190
Hexachlorobenzene	1.0% SOM	1.80(0.20) ^{vap}	4.10 (0.20) ^{vap}	0.47	110(0.20) ^{vap}	16	30
	2.5% SOM	3.30(0.50) ^{vap}	5.70 (0.50) ^{vap}	1.10	120	16	30
	6.0% SOM	4.90	6.70 (1.2) ^{vap}	2.50	120	16	30
Phenols & Chlorophenols							
BTEX	1.0% SOM	280	750	66	760 ^{dir} (31,000)	760 ^{dir} (11,000)	760 ^{dir} (8,600)
	2.5% SOM	550	1,300	140	1,500 ^{dir} (35,000)	1,500 ^{dir} (11,000)	1,500 ^{dir} (9,700)
	6.0% SOM	1100	2,300	280	3,200 ^{dir} (37,000)	3,200 ^{dir} (11,000)	3,200 ^{dir} (11,000)
Chlorophenols (4 Congeners)	1.0% SOM	0.87	94	0.13	3,500	620	1,100
	2.5% SOM	2.00	150	0.30	4,000	620	1,100
	6.0% SOM	4.50	210	0.70	4,300	620	1,100
Pentachlorophenols	1.0% SOM	0.22	27(16.4) ^{vap}	0.03	400	60	110
	2.5% SOM	0.52	29	0.08	400	60	120
	6.0% SOM	1.20	31	0.19	400	60	120
Others							
Carbon Disulphide	1.0% SOM	0.14	0.14	4.80	11	11,000	1,300
	2.5% SOM	0.29	0.29	10	22	11,000	1,900
	6.0% SOM	0.62	0.62	23	47	12,000	2,700
Hexachloro-1,3- Butadiene	1.0% SOM	0.29	0.32	0.25	31	25	48
	2.5% SOM	0.70	0.78	0.61	68	25	50
	6.0% SOM	1.60	1.80	1.40	120	25	51
^{vap} – GAC presented exceeds the vapour saturation limit, which is presented in brackets.							
^{sol} – GAC presented exceeds the soil saturation limit, which is presented in brackets.							

VOC and SVOC table continued overleaf

VOC and SVOC table continued from previous page

CL:AIRE General Assessment Criteria: Volatile and Semi-Volatile Organic Compounds					
Determinands		RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)
1,1,2 Trichloroethane	1.0% SOM	0.60	0.88	0.28	94
	2.5% SOM	1.20	1.8	0.61	190
	6.0% SOM	2.70	3.9	1.40	400
1,1-Dichloroethane	1.0% SOM	2.40	2.50	9.20	280
	2.5% SOM	3.90	4.10	17	450
	6.0% SOM	7.40	7.70	35	850
1,1-Dichloroethene	1.0% SOM	0.23	0.23	2.80	26
	2.5% SOM	0.40	0.41	5.60	46
	6.0% SOM	0.82	0.82	12	92
1,2,4-Trimethylbenzene	1.0% SOM	0.35	0.41	0.38	42
	2.5% SOM	0.85	0.99	0.93	99
	6.0% SOM	2.00	2.30	2.20	220
1,2-Dichloropropane	1.0% SOM	0.024	0.024	0.62	3.3
	2.5% SOM	0.042	0.042	1.20	5.9
	6.0% SOM	0.084	0.085	2.60	12
2,4-Dimethylphenol	1.0% SOM	19	210	3.10	16000*
	2.5% SOM	43	410	7.20	24000*
	6.0% SOM	97	730	17	30000*
2,4-Dinitrotoluene	1.0% SOM	1.50	170*	0.22	3700*
	2.5% SOM	3.20	170	0.49	3700*
	6.0% SOM	7.20	170	1.10	3800*
2,6-Dinitrotoluene	1.0% SOM	0.78	78	0.12	1900*
	2.5% SOM	1.70	84	0.27	1900*
	6.0% SOM	3.90	87	0.61	1900*
2-Chloronaphthalene	1.0% SOM	3.70	3.80	40	390*
	2.5% SOM	9.20	9.30	98	960*
	6.0% SOM	22	22	230	2200*
Biphenyl	1.0% SOM	66*	220*	14	18000*
	2.5% SOM	160	500*	35	33000*
	6.0% SOM	360	980*	83	48000*
Bis (2-ethylhexyl) phthalate	1.0% SOM	280*	2700*	47*	85000*
	2.5% SOM	610*	2800*	120*	86000*
	6.0% SOM	1100*	2800*	280*	86000*
Bromobenzene	1.0% SOM	0.87	0.91	3.2	97
	2.5% SOM	2.0	2.1	7.6	220
	6.0% SOM	4.7	4.9	18	520
Bromodichloromethane	1.0% SOM	0.016	0.019	0.016	2.1
	2.5% SOM	0.030	0.034	0.032	3.7
	6.0% SOM	0.061	0.070	0.068	7.6
Bromoform	1.0% SOM	2.8	5.2	0.95	760
	2.5% SOM	5.9	11	2.1	1500
	6.0% SOM	13	23	4.6	3100
Butyl benzyl phthalate	1.0% SOM	1400*	42000*	220*	940000*
	2.5% SOM	3300*	44000*	550*	940000*
	6.0% SOM	7200*	44000*	1300*	950000*

*soil concentration above saturation limit

VOC and SVOC table continued overleaf

VOC and SVOC table continued from previous page

CL:AIRE General Assessment Criteria: Volatile and Semi-Volatile Organic Compounds					
Determinands		RwHP (mg/kg)	RwoHP (mg/kg)	Allotment (mg/kg)	Commercial (mg/kg)
Chloroethane	1.0% SOM	8.3	8.4	110	960
	2.5% SOM	11	11	200	1300
	6.0% SOM	18	18	380	2100
Chloromethane	1.0% SOM	0.0083	0.0085	0.066	1.0
	2.5% SOM	0.0098	0.0099	0.13	1.2
	6.0% SOM	0.013	0.013	0.23	1.6
<i>Cis</i> 1,2 Dichloroethene	1.0% SOM	0.11	0.12	0.26	14
	2.5% SOM	0.19	0.20	0.50	24
	6.0% SOM	0.37	0.39	1.0	47
Dichloromethane	1.0% SOM	0.58	2.10	0.10	270
	2.5% SOM	0.98	2.80	0.19	360
	6.0% SOM	1.70	4.50	0.34	560
Diethyl Phthalate	1.0% SOM	120*	1800*	19*	150000*
	2.5% SOM	260*	3500*	41*	220000*
	6.0% SOM	570*	6300*	94*	290000*
Di- <i>n</i> -butyl phthalate	1.0% SOM	13*	450*	2.00	15000*
	2.5% SOM	31*	450*	5.00	15000*
	6.0% SOM	67*	450*	12	15000*
Di- <i>n</i> -octyl phthalate	1.0% SOM	2300*	3400*	940*	89000*
	2.5% SOM	2800*	3400*	2100*	89000*
	6.0% SOM	3100*	3400*	3900*	89000*
Hexachloroethane	1.0% SOM	0.20	0.22	0.27	22*
	2.5% SOM	0.48	0.54	0.67	53*
	6.0% SOM	1.10	1.30	1.60	120*
Isopropylbenzene	1.0% SOM	11	12	32	1400*
	2.5% SOM	27	28	79	3300*
	6.0% SOM	64	67	190	7700*
Methyl <i>tert</i> -butyl ether (MTBE)	1.0% SOM	49	73	23	7900
	2.5% SOM	84	120	44	13000
	6.0% SOM	160	220	90	24000
Propylbenzene	1.0% SOM	34	40	34	4100*
	2.5% SOM	82	97	83	9700*
	6.0% SOM	190	230	200	21000*
Styrene	1.0% SOM	8.10	35	1.60	3300*
	2.5% SOM	19	78	3.70	6500*
	6.0% SOM	43	170	8.70	11000*
Total Cresols (2-, 3-, and 4-methylphenol)	1.0% SOM	80	3700	12	160000
	2.5% SOM	180	5400	27	180000*
	6.0% SOM	400	6900	63	180000*
<i>Trans</i> 1,2 Dichloroethene	1.0% SOM	0.19	0.19	0.93	22
	2.5% SOM	0.34	0.35	1.90	40
	6.0% SOM	0.70	0.71	0.24	81
Tributyl tin oxide	1.0% SOM	0.25	1.40	0.042	130*
	2.5% SOM	0.59	3.10	0.100	180*
	6.0% SOM	1.30	5.70	0.240	200*

*soil concentration above saturation limit

APPENDIX G: Asbestos Risk Assessment

Asbestos Risk Assessment (CIRIA733)



Site information	Trial Hole Depth (m bgl)		TP3 0.3	
Asbestos Type Considerations	Abestos type	Chrysotile	Amosite	Crocidolite
	Kasbestos	1.3	1.7	2.0
Soil Type Considerations	Soil Concentration (Quantification Result in %)		0.001	
	Soil Type	Sand Sandy Clay Clay	Sand Sandy Clay Clay	Sand Sandy Clay Clay
Constants	Ksoil	2.9 1.7 0.93	2.9 1.7 0.93	2.9 1.7 0.93
	Enter the relevant from the above		1.7	
Calculation Results	Koverall	1.6	1.6	1.6
	Dust Concentration (mg/m3)	0.1	0.1	0.1
	Dry Conditions Exposure (hrs)	750	750	750
	Occupation hours in a year	1920	1920	1920
Calculation Results	fibre/ml per mg/m3		0.0018	
	fibre/ml		0.00018	
	fibre/ml.hr		0.135	
	fibre/ml.year		0.000071	
Mesothelioma Accumulated Risk	Age (exposure commences)	0	0	0
	Risk persists for (Years)	60	60	60
	Cummulative Age Adjustment Factor	16.8	16.8	16.8
	fibre/ml.year (cumulative)		0.00119	
Lung Cancer Accumulated Risk	Risk persists for (Years)	60	60	60
	fibre/ml.year (cumulative)		0.00085	

BACKGROUND

This asbestos risk assessment has been undertaken in accordance with the guidance within CIRIA733.

The fibre concentration within the airborne soil dust (in fibres/ml per mg/m³) was calculated based on the results of Addison et al 1988.

The airborne concentration of soil dust (0.1mg/m³) was based on ambient urban dust levels and ART modelling.

The dry conditions exposure (750hrs) was based upon regional meteorological data suggesting 150hrs of dry conditions per year, when applied over a 5-year segment this equates to 750hours.

The occupational hours per year (1920hrs) is based on a 40-hour working week and 48 working weeks in a year.

A worst-case exposure scenario has been considered for residents, groundworkers or generally end-users. This was based on the risk persisting for a period of 60 years, accumulated in 5-year increments. As the risk of mesothelioma is age dependent, this considered the exposure commencing at age 0 with the relevant age adjustment factor applied for each 5-year increment.

Based on the above considerations, the following equations have been used:

$$((K_{\text{asbestotype}} \times K_{\text{soil}}) \div K_{\text{overall}}) \times \text{Soil Concentration} = \text{fibre/ml per mg/m}^3$$

$$\text{Fibre/ml per mg/m}^3 \times \text{Dust Concentration} = \text{fibre/ml}$$

$$(\text{f/ml} \times \text{Dry Conditions Exposure (hrs)}) = \text{fibre/ml.hr}$$

$$\text{Fibre/ml.hr} \div \text{occupational hours per year} = \text{fibre/ml.year}$$

$$\textbf{Mesothelioma:} \text{ fibre/ml.year} \times 16.8 \text{ (cumulative age adjustment factor for 60 years)}$$

$$\textbf{Lung Cancer:} \text{ fibre/ml.year} \times 12 \text{ (60 years in 5-year increments)}$$

APPENDIX H: Hazwaste 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:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



YOL8X-FW6WV-1L8TE

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

Job name

GWPR5501 East Horton Business Park, Knowle Lane, Fair Oak, SO50 7DZ

Description/Comments

Project

GWPR5501 East Horton Business Park, Knowle Lane, Fair Oak, SO50 7DZ

Site

East Horton Business Park, Knowle Lane, Fair Oak, SO50 7DZ

Classified by

Name: Alex Stratford
Date: 14 Aug 2023 08:52 GMT
Telephone:
Company: Ground and Water
2 The Long Barn, Norton Farm, Selborne
Road
Alton
GU34 3NB

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

Course

Hazardous Waste Classification

Date

Purpose of classification

2 - Material Characterisation

Address of the waste

East Horton Business Park, Knowle Lane, Fair Oak

Post Code SO50 7DZ

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Development of site for commercial end use

Description of the specific process, sub-process and/or activity that created the waste

Waste created during construction and excavation

Description of the waste

Made Ground

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP1-200723-0.20-0.20		Non Hazardous		3
2	TP1-200723-1.00-1.00		Non Hazardous		9
3	TP2-200723-0.40-0.40		Non Hazardous		15
4	TP2-200723-1.10-1.10		Non Hazardous		21
5	TP3-200723-0.30-0.30		Non Hazardous		27
6	TP3-200723-1.30-1.30		Non Hazardous		33
7	TP4-200723-0.30-0.30		Hazardous	HP 7, HP 11	39
8	TP4-200723-1.00-1.00		Non Hazardous		45
9	TP5-200723-1.00-1.00		Non Hazardous		51
10	TP5-200723-0.30-0.30		Non Hazardous		57

Related documents

#	Name	Description
1	230721-49.hwol	ALS Hawarden .hwol file used to populate the Job

Report

Created by: Alex Stratford

Created date: 14 Aug 2023 08:52 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	63
Appendix B: Rationale for selection of metal species	67
Appendix C: Version	68

Classification of sample: TP1-200723-0.20-0.20

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

Sample details

Sample name:	LoW Code:	
TP1-200723-0.20-0.20	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
7.5% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 7.5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	boron { boron tribromide }				<1	mg/kg	23.173	<23.173	mg/kg	<0.00232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
2	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
3	TPH (C6 to C40) petroleum group				244	mg/kg		225.7	mg/kg	0.0226 %	✓	
			TPH									
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
5	arsenic { arsenic trioxide }				6.24	mg/kg	1.32	7.621	mg/kg	0.000762 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
6	cadmium { cadmium sulfide }			1	0.132	mg/kg	1.285	0.157	mg/kg	0.0000122 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
7	copper { dicopper oxide; copper (I) oxide }				18.4	mg/kg	1.126	19.163	mg/kg	0.00192 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	34	mg/kg		31.45	mg/kg	0.00314 %	✓	
	082-001-00-6											
9	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dihydroxide }				11.9	mg/kg	1.579	17.386	mg/kg	0.00174 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				23.5	mg/kg	1.785	38.805	mg/kg	0.00388 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				75.8	mg/kg	4.398	308.361	mg/kg	0.0308 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [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							
14	acenaphthylene	205-917-1	208-96-8		<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
15	acenaphthene	201-469-6	83-32-9		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
16	fluorene	201-695-5	86-73-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
17	phenanthrene	201-581-5	85-01-8		1.09 mg/kg		1.008 mg/kg	0.000101 %	✓	
18	anthracene	204-371-1	120-12-7		<0.8 mg/kg		<0.8 mg/kg	<0.00008 %		<LOD
19	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2.19 mg/kg		2.026 mg/kg	0.000203 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.89 mg/kg		1.748 mg/kg	0.000175 %	✓	
21	indeno[123-cd]pyrene	205-893-2	193-39-5		1.3 mg/kg		1.203 mg/kg	0.00012 %	✓	
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<1.15 mg/kg		<1.15 mg/kg	<0.000115 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		1.62 mg/kg		1.499 mg/kg	0.00015 %	✓	
24	pH		PH		8.53 pH		8.53 pH	8.53 pH		
25	phenol	604-001-00-2	203-632-7	108-95-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
27	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
28	nitrobenzene	609-003-00-7	202-716-0	98-95-3	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
29	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
30	hexachloroethane	200-666-4	67-72-1		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
31	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
32	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	di-n-octyl phthalate	204-214-7	117-84-0		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	dimethyl phthalate	205-011-6	131-11-3		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
35	diethyl phthalate	201-550-6	84-66-2		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
36	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
37	dibenzofuran	205-071-3	132-64-9		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
38	carbazole	201-696-0	86-74-8		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
39	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
40	bis(2-ethylhexyl) ph halate; di-(2-ethylhexyl) ph halate; DEHP	607-317-00-9	204-211-0	117-81-7	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
41	bis(2-chloroethoxy)methane	203-920-2	111-91-1		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
42	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4	<2 mg/kg		<2 mg/kg	<0.0002 %		<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								
43	azobenzene				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
	611-001-00-6	203-102-5	103-33-3								
44	4-nitrophenol; p-nitrophenol				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
	609-015-00-2	202-811-7	100-02-7								
45	4-chlorophenylphenylether				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
		230-281-7	7005-72-3								
46	4-chloroaniline				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
	612-137-00-9	203-401-0	106-47-8								
47	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
	604-014-00-3	200-431-6	59-50-7								
48	4-bromophenylphenylether				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
		202-952-4	101-55-3								
49	2-nitrophenol				<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
		201-857-5	88-75-5								
50	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<2 mg/kg		<2 mg/kg	<0.0002 %			<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]								
51	2,6-dinitrotoluene				<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
	609-049-00-8	210-106-0	606-20-2								
52	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]								
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<2 mg/kg		<2 mg/kg	<0.0002 %			<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]								
54	2,4-dichlorophenol				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
	604-011-00-7	204-429-6	120-83-2								
55	2,4,6-trichlorophenol				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
	604-018-00-5	201-795-9	88-06-2								
56	2,4,5-trichlorophenol				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
	604-017-00-X	202-467-8	95-95-4								
57	2-chloronaphthalene				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
		202-079-9	91-58-7								
58	2-methyl naphthalene				<2 mg/kg		<2 mg/kg	<0.0002 %			<LOD
		202-078-3	91-57-6								
59	benzo[a]anthracene				3.2 mg/kg		2.96 mg/kg	0.000296 %		✓	
	601-033-00-9	200-280-6	56-55-3								
60	benzo[k]fluoranthene				2.18 mg/kg		2.017 mg/kg	0.000202 %		✓	
	601-036-00-5	205-916-6	207-08-9								
61	chrysene				3.68 mg/kg		3.404 mg/kg	0.00034 %		✓	
	601-048-00-0	205-923-4	218-01-9								
62	fluoranthene				3.93 mg/kg		3.635 mg/kg	0.000364 %		✓	
		205-912-4	206-44-0								
63	pyrene				4.42 mg/kg		4.089 mg/kg	0.000409 %		✓	
		204-927-3	129-00-0								
64	dichlorodifluoromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
		200-893-9	75-71-8								
65	chloromethane; methyl chloride				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %			<LOD
	602-001-00-7	200-817-4	74-87-3								
66	vinyl chloride; chloroethylene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %			<LOD
	602-023-00-7	200-831-0	75-01-4								

#	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							
67	bromomethane; methylbromide				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
68	chloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
69	trichlorofluoromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-892-3	75-69-4							
70	1,1-dichloroethylene; vinylidene chloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
71	carbon disulphide				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	006-003-00-3	200-843-6	75-15-0							
72	dichloromethane; methylene chloride				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
73	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							
74	1,1-dichloroethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-011-00-1	200-863-5	75-34-3							
75	2,2-dichloropropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		209-832-0	594-20-7							
76	bromochloromethane				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		200-826-3	74-97-5							
77	chloroform; trichloromethane				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
78	1,1,1-trichloroethane; methyl chloroform				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
79	1,1-dichloropropene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
80	carbon tetrachloride; tetrachloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
81	1,2-dichloroethane; ethylene dichloride				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-012-00-7	203-458-1	107-06-2							
82	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
83	trichloroethylene; trichloroethene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
84	1,2-dichloropropane; propylene dichloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
85	dibromomethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
86	bromodichloromethane				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		200-856-7	75-27-4							
87	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
88	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
89	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
90	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
91	1,3-dichloropropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-531-3	142-28-9							
92	tetrachloroethylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
93	dibromochloromethane				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-704-0	124-48-1							
94	1,2-dibromoethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
95	chlorobenzene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-033-00-1	203-628-5	108-90-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
96	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
97	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
98	styrene	601-026-00-0	202-851-5	100-42-5	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
99	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
100	1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
101	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
102	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
103	mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
104	tert-butylbenzene	202-632-4	98-06-6		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
105	1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
106	sec-butylbenzene	205-227-0	135-98-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
107	4-isopropyltoluene	202-796-7	99-87-6		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
108	1,3-dichlorobenzene	602-067-00-7	208-792-1	541-73-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
109	1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
110	n-butylbenzene	203-209-7	104-51-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
111	1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
112	1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
113	2-me hoxy-2-methylbutane; tert-amyl methyl ether	603-213-00-2	213-611-4	994-05-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
114	1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
115	hexachlorobutadiene	201-765-5	87-68-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
116	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
117	1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
118	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]	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
119	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]	<14 mg/kg		<14 mg/kg	<0.0014 %		<LOD
120	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]	<4 mg/kg		<4 mg/kg	<0.0004 %		<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							
121		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		602-026-00-3	208-750-2 [1]	540-59-0 [1]							
			205-859-7 [2]	156-59-2 [2]							
			205-860-2 [3]	156-60-5 [3]							
122		cumene; [1] propylbenzene [2]				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-024-00-X	202-704-5 [1]	98-82-8 [1]							
			203-132-9 [2]	103-65-1 [2]							
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		602-040-00-X	202-424-3 [1]	95-49-8 [1]							
			203-580-5 [2]	108-41-8 [2]							
			203-397-0 [3]	106-43-4 [3]							
			246-698-2 [4]	25168-05-2 [4]							
124		chromium in chromium(III) compounds { ■ chromium(III) oxide (worst case) }				14.1 mg/kg	1.462	19.062 mg/kg	0.00191 %	✓	
			215-160-9	1308-38-9							
Total:									0.0848 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Most Likely Worst Case

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0226%)

Classification of sample: TP1-200723-1.00-1.00

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

Sample details

Sample name:	LoW Code:
TP1-200723-1.00-1.00	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
14% (wet weight correction)	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand			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	boron { boron tribromide }				1.01	mg/kg	23.173	20.128	mg/kg	0.00201 %	✓	
	005-003-00-0	233-657-9	10294-33-4									
2	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
3	TPH (C6 to C40) petroleum group				32.3	mg/kg		27.778	mg/kg	0.00278 %	✓	
			TPH									
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
5	arsenic { arsenic trioxide }				5.11	mg/kg	1.32	5.802	mg/kg	0.00058 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
6	cadmium { cadmium sulfide }			1	0.145	mg/kg	1.285	0.16	mg/kg	0.0000125 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
7	copper { dicopper oxide; copper (I) oxide }				15.2	mg/kg	1.126	14.718	mg/kg	0.00147 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	31.1	mg/kg		26.746	mg/kg	0.00267 %	✓	
	082-001-00-6											
9	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dihydroxide }				5.09	mg/kg	1.579	6.914	mg/kg	0.000691 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				12.7	mg/kg	1.785	19.498	mg/kg	0.00195 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				64.4	mg/kg	4.398	243.575	mg/kg	0.0244 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [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							
14	acenaphthylene	205-917-1	208-96-8		0.0188 mg/kg		0.0162 mg/kg	0.00000162 %	✓	
15	acenaphthene	201-469-6	83-32-9		0.0285 mg/kg		0.0245 mg/kg	0.00000245 %	✓	
16	fluorene	201-695-5	86-73-7		0.034 mg/kg		0.0292 mg/kg	0.00000292 %	✓	
17	phenanthrene	201-581-5	85-01-8		0.576 mg/kg		0.495 mg/kg	0.0000495 %	✓	
18	anthracene	204-371-1	120-12-7		0.128 mg/kg		0.11 mg/kg	0.000011 %	✓	
19	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.467 mg/kg		0.402 mg/kg	0.0000402 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.419 mg/kg		0.36 mg/kg	0.000036 %	✓	
21	indeno[123-cd]pyrene	205-893-2	193-39-5		0.243 mg/kg		0.209 mg/kg	0.0000209 %	✓	
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	0.0466 mg/kg		0.0401 mg/kg	0.00000401 %	✓	
23	benzo[ghi]perylene	205-883-8	191-24-2		0.263 mg/kg		0.226 mg/kg	0.0000226 %	✓	
24	pH		PH		7.95 pH		7.95 pH	7.95 pH		
25	phenol	604-001-00-2	203-632-7	108-95-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
27	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	nitrobenzene	609-003-00-7	202-716-0	98-95-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	hexachloroethane	200-666-4	67-72-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	di-n-octyl phthalate	204-214-7	117-84-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	dimethyl phthalate	205-011-6	131-11-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	diethyl phthalate	201-550-6	84-66-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
36	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
37	dibenzofuran	205-071-3	132-64-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
38	carbazole	201-696-0	86-74-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
39	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
40	bis(2-ethylhexyl) ph halate; di-(2-ethylhexyl) ph halate; DEHP	607-317-00-9	204-211-0	117-81-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
41	bis(2-chloroethoxy)methane	203-920-2	111-91-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
42	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<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							
43	azobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
44	4-nitrophenol; p-nitrophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
45	4-chlorophenylphenylether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		230-281-7	7005-72-3							
46	4-chloroaniline				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
47	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
48	4-bromophenylphenylether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		202-952-4	101-55-3							
49	2-nitrophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-857-5	88-75-5							
50	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
51	2,6-dinitrotoluene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
52	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<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]							
54	2,4-dichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
55	2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
56	2,4,5-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
57	2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		202-079-9	91-58-7							
58	2-me hyl naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		202-078-3	91-57-6							
59	benzo[a]anthracene				0.478 mg/kg		0.411 mg/kg	0.0000411 %	✓	
	601-033-00-9	200-280-6	56-55-3							
60	benzo[k]fluoranthene				0.327 mg/kg		0.281 mg/kg	0.0000281 %	✓	
	601-036-00-5	205-916-6	207-08-9							
61	chrysene				0.478 mg/kg		0.411 mg/kg	0.0000411 %	✓	
	601-048-00-0	205-923-4	218-01-9							
62	fluoranthene				0.98 mg/kg		0.843 mg/kg	0.0000843 %	✓	
		205-912-4	206-44-0							
63	pyrene				0.892 mg/kg		0.767 mg/kg	0.0000767 %	✓	
		204-927-3	129-00-0							
64	dichlorodifluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-893-9	75-71-8							
65	chloromethane; methyl chloride				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
66	vinyl chloride; chloroethylene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-023-00-7	200-831-0	75-01-4							

#	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							
67	bromomethane; methylbromide				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
68	chloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
69	trichlorofluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-892-3	75-69-4							
70	1,1-dichloroethylene; vinylidene chloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
71	carbon disulphide				0.0093 mg/kg		0.008 mg/kg	0.000000806 %	✓	
	006-003-00-3	200-843-6	75-15-0							
72	dichloromethane; methylene chloride				<0.005 mg/kg		<0.005 mg/kg	<0.00000005 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
73	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
74	1,1-dichloroethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-011-00-1	200-863-5	75-34-3							
75	2,2-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		209-832-0	594-20-7							
76	bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.00000002 %		<LOD
		200-826-3	74-97-5							
77	chloroform; trichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.00000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
78	1,1,1-trichloroethane; methyl chloroform				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
79	1,1-dichloropropene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
80	carbon tetrachloride; tetrachloromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
81	1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.00000001 %		<LOD
	602-012-00-7	203-458-1	107-06-2							
82	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
83	trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.00000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
84	1,2-dichloropropane; propylene dichloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
85	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.00000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
86	bromodichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.00000002 %		<LOD
		200-856-7	75-27-4							
87	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
88	toluene				0.0031 mg/kg		0.0027 mg/kg	0.000000027 %	✓	
	601-021-00-3	203-625-9	108-88-3							
89	trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.00000001 %		<LOD
		431-460-4	10061-02-6							
90	1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.00000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
91	1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.00000001 %		<LOD
		205-531-3	142-28-9							
92	tetrachloroethylene				<0.002 mg/kg		<0.002 mg/kg	<0.00000002 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
93	dibromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.00000002 %		<LOD
		204-704-0	124-48-1							
94	1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.00000001 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
95	chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.00000002 %		<LOD
	602-033-00-1	203-628-5	108-90-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
96	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
97	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
98	styrene	601-026-00-0	202-851-5	100-42-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
99	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
100	1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
101	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
102	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
103	mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
104	tert-butylbenzene	202-632-4	98-06-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
105	1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6	<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
106	sec-butylbenzene	205-227-0	135-98-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
107	4-isopropyltoluene	202-796-7	99-87-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
108	1,3-dichlorobenzene	602-067-00-7	208-792-1	541-73-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
109	1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
110	n-butylbenzene	203-209-7	104-51-8		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
111	1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
112	1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
113	2-me hoxy-2-methylbutane; tert-amyl methyl ether	603-213-00-2	213-611-4	994-05-8	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
114	1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1	<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
115	hexachlorobutadiene	201-765-5	87-68-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
116	naphthalene	601-052-00-2	202-049-5	91-20-3	0.0157 mg/kg		0.0135 mg/kg	0.00000135 %	✓	
117	1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
118	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3	<0.021 mg/kg		<0.021 mg/kg	<0.0000021 %		<LOD
119	coronene	205-881-7	191-07-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
120	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
121	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]	<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
122	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2]	108-39-4 [1] 95-48-7 [2]	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
		203-398-6 [3] 215-293-2 [4]	106-44-5 [3] 1319-77-3 [4]							
123	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3] 602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]		<0.0015 mg/kg		<0.0015 mg/kg	<0.00000015 %		<LOD
124	cumene; [1] propylbenzene [2] 601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
125	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4] 602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<0.006 mg/kg		<0.006 mg/kg	<0.0000006 %		<LOD
126	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9	1308-38-9			8.42 mg/kg	1.462	10.583 mg/kg	0.00106 %	✓	
Total:								0.039 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Most Likely Worst Case

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

carbon disulphide: (conc.: 8.06e-07%)

toluene: (conc.: 2.7e-07%)

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00278%)

Classification of sample: TP2-200723-0.40-0.40

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

Sample details

Sample name:	LoW Code:	
TP2-200723-0.40-0.40	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
5% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	boron { boron tribromide }				<1	mg/kg	23.173	<23.173	mg/kg	<0.00232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
2	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
3	TPH (C6 to C40) petroleum group				207	mg/kg		196.65	mg/kg	0.0197 %	✓	
			TPH									
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
5	arsenic { arsenic trioxide }				8.25	mg/kg	1.32	10.348	mg/kg	0.00103 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
6	cadmium { cadmium sulfide }			1	0.11	mg/kg	1.285	0.134	mg/kg	0.0000105 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
7	copper { dicopper oxide; copper (I) oxide }				21.6	mg/kg	1.126	23.103	mg/kg	0.00231 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	64.5	mg/kg		61.275	mg/kg	0.00613 %	✓	
	082-001-00-6											
9	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dihydroxide }				12	mg/kg	1.579	18.006	mg/kg	0.0018 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				24.1	mg/kg	1.785	40.872	mg/kg	0.00409 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				169	mg/kg	4.398	706.087	mg/kg	0.0706 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [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							
14	acenaphthylene	205-917-1	208-96-8		<0.12 mg/kg		<0.12 mg/kg	<0.000012 %		<LOD
15	acenaphthene	201-469-6	83-32-9		<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
16	fluorene	201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
17	phenanthrene	201-581-5	85-01-8		0.186 mg/kg		0.177 mg/kg	0.0000177 %	✓	
18	anthracene	204-371-1	120-12-7		<0.16 mg/kg		<0.16 mg/kg	<0.000016 %		<LOD
19	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.628 mg/kg		0.597 mg/kg	0.0000597 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.544 mg/kg		0.517 mg/kg	0.0000517 %	✓	
21	indeno[123-cd]pyrene	205-893-2	193-39-5		0.361 mg/kg		0.343 mg/kg	0.0000343 %	✓	
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.23 mg/kg		<0.23 mg/kg	<0.000023 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		0.425 mg/kg		0.404 mg/kg	0.0000404 %	✓	
24	pH		PH		8.55 pH		8.55 pH	8.55 pH		
25	phenol	604-001-00-2	203-632-7	108-95-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
27	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
28	nitrobenzene	609-003-00-7	202-716-0	98-95-3	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
29	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
30	hexachloroethane	200-666-4	67-72-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
31	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
32	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
33	di-n-octyl phthalate	204-214-7	117-84-0		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
34	dimethyl phthalate	205-011-6	131-11-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
35	diethyl phthalate	201-550-6	84-66-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
37	dibenzofuran	205-071-3	132-64-9		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
38	carbazole	201-696-0	86-74-8		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
39	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
40	bis(2-ethylhexyl) ph halate; di-(2-ethylhexyl) ph halate; DEHP	607-317-00-9	204-211-0	117-81-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
41	bis(2-chloroethoxy)methane	203-920-2	111-91-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
42	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

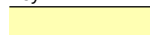
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
43	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
44	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
45	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
46	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
47	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
48	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
49	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-857-5	88-75-5							
50	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<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]							
51	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
52	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
53	3,4-xlenol; [1] 2,5-xlenol; [2] 2,4-xlenol; [3] 2,3-xlenol; [4] 2,6-xlenol; [5] xlenol; [6] 2,4(or 2,5)-xlenol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<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]							
54	2,4-dichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
55	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
56	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
57	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-079-9	91-58-7							
58	2-me hyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-078-3	91-57-6							
59	benzo[a]anthracene				0.538 mg/kg		0.511 mg/kg	0.0000511 %	✓	
	601-033-00-9	200-280-6	56-55-3							
60	benzo[k]fluoranthene				0.199 mg/kg		0.189 mg/kg	0.0000189 %	✓	
	601-036-00-5	205-916-6	207-08-9							
61	chrysene				0.535 mg/kg		0.508 mg/kg	0.0000508 %	✓	
	601-048-00-0	205-923-4	218-01-9							
62	fluoranthene				1.1 mg/kg		1.045 mg/kg	0.000105 %	✓	
		205-912-4	206-44-0							
63	pyrene				1.06 mg/kg		1.007 mg/kg	0.000101 %	✓	
		204-927-3	129-00-0							
64	dichlorodifluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-893-9	75-71-8							
65	chloromethane; methyl chloride				<0.002 mg/kg		<0.002 mg/kg	<0.00000002 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
66	vinyl chloride; chloroethylene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-023-00-7	200-831-0	75-01-4							

#	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							
67	bromomethane; methylbromide				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
68	chloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
69	trichlorofluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-892-3	75-69-4							
70	1,1-dichloroethylene; vinylidene chloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
71	carbon disulphide				0.0018 mg/kg		0.0018 mg/kg	0.00000018 %	✓	
	006-003-00-3	200-843-6	75-15-0							
72	dichloromethane; methylene chloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
73	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
74	1,1-dichloroethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-011-00-1	200-863-5	75-34-3							
75	2,2-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		209-832-0	594-20-7							
76	bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-826-3	74-97-5							
77	chloroform; trichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
78	1,1,1-trichloroethane; methyl chloroform				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
79	1,1-dichloropropene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
80	carbon tetrachloride; tetrachloromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
81	1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-012-00-7	203-458-1	107-06-2							
82	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
83	trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
84	1,2-dichloropropane; propylene dichloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
85	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
86	bromodichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-856-7	75-27-4							
87	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
88	toluene				0.0019 mg/kg		0.0018 mg/kg	0.000000184 %	✓	
	601-021-00-3	203-625-9	108-88-3							
89	trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		431-460-4	10061-02-6							
90	1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
91	1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-531-3	142-28-9							
92	tetrachloroethylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
93	dibromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		204-704-0	124-48-1							
94	1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
95	chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-033-00-1	203-628-5	108-90-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
96	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
97	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
98	styrene	601-026-00-0	202-851-5	100-42-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
99	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
100	1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
101	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
102	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
103	mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
104	tert-butylbenzene	202-632-4	98-06-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
105	1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6	<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
106	sec-butylbenzene	205-227-0	135-98-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
107	4-isopropyltoluene	202-796-7	99-87-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
108	1,3-dichlorobenzene	602-067-00-7	208-792-1	541-73-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
109	1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
110	n-butylbenzene	203-209-7	104-51-8		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
111	1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
112	1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
113	2-me hoxy-2-methylbutane; tert-amyl methyl ether	603-213-00-2	213-611-4	994-05-8	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
114	1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1	<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
115	hexachlorobutadiene	201-765-5	87-68-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
116	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
117	1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
118	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
119	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]	<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
120	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]	<1 mg/kg		<1 mg/kg	<0.0001 %		<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							
121		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.0015 mg/kg		<0.0015 mg/kg	<0.00000015 %		<LOD
		602-026-00-3	208-750-2 [1]	540-59-0 [1]							
			205-859-7 [2]	156-59-2 [2]							
			205-860-2 [3]	156-60-5 [3]							
122		cumene; [1] propylbenzene [2]				<0.004 mg/kg		<0.004 mg/kg	<0.00000004 %		<LOD
		601-024-00-X	202-704-5 [1]	98-82-8 [1]							
			203-132-9 [2]	103-65-1 [2]							
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006 mg/kg		<0.006 mg/kg	<0.00000006 %		<LOD
		602-040-00-X	202-424-3 [1]	95-49-8 [1]							
			203-580-5 [2]	108-41-8 [2]							
			203-397-0 [3]	106-43-4 [3]							
			246-698-2 [4]	25168-05-2 [4]							
124		chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				10.8 mg/kg	1.462	14.996 mg/kg	0.0015 %	✓	
			215-160-9	1308-38-9							
Total:									0.112 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Most Likely Worst Case

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

carbon disulphide: (conc.: 1.8e-07%)

toluene: (conc.: 1.84e-07%)

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0197%)

Classification of sample: TP2-200723-1.10-1.10

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

Sample details

Sample name:	LoW Code:
TP2-200723-1.10-1.10	Chapter:
Moisture content:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
13% (wet weight correction)	Entry:
	17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand			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	boron { boron tribromide }				<1	mg/kg	23.173	<23.173	mg/kg	<0.00232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
2	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
3	TPH (C6 to C40) petroleum group				103	mg/kg		89.61	mg/kg	0.00896 %	✓	
			TPH									
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
5	arsenic { arsenic trioxide }				8.71	mg/kg	1.32	10.005	mg/kg	0.001 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
6	cadmium { cadmium sulfide }			1	0.309	mg/kg	1.285	0.346	mg/kg	0.0000269 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
7	copper { dicopper oxide; copper (I) oxide }				29	mg/kg	1.126	28.406	mg/kg	0.00284 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	113	mg/kg		98.31	mg/kg	0.00983 %	✓	
	082-001-00-6											
9	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dihydroxide }				13.6	mg/kg	1.579	18.689	mg/kg	0.00187 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				25.4	mg/kg	1.785	39.449	mg/kg	0.00394 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				187	mg/kg	4.398	715.499	mg/kg	0.0715 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [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							
14	acenaphthylene	205-917-1	208-96-8		0.0147 mg/kg		0.0128 mg/kg	0.00000128 %	✓	
15	acenaphthene	201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
16	fluorene	201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17	phenanthrene	201-581-5	85-01-8		0.0885 mg/kg		0.077 mg/kg	0.0000077 %	✓	
18	anthracene	204-371-1	120-12-7		0.0302 mg/kg		0.0263 mg/kg	0.00000263 %	✓	
19	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.143 mg/kg		0.124 mg/kg	0.0000124 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.112 mg/kg		0.0974 mg/kg	0.00000974 %	✓	
21	indeno[123-cd]pyrene	205-893-2	193-39-5		0.0761 mg/kg		0.0662 mg/kg	0.00000662 %	✓	
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		0.0961 mg/kg		0.0836 mg/kg	0.00000836 %	✓	
24	pH		PH		7.95 pH		7.95 pH	7.95 pH		
25	phenol	604-001-00-2	203-632-7	108-95-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<2.5 mg/kg		<2.5 mg/kg	<0.00025 %		<LOD
27	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
28	nitrobenzene	609-003-00-7	202-716-0	98-95-3	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
29	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
30	hexachloroethane	200-666-4	67-72-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
31	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<2.5 mg/kg		<2.5 mg/kg	<0.00025 %		<LOD
32	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
33	di-n-octyl phthalate	204-214-7	117-84-0		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
34	dimethyl phthalate	205-011-6	131-11-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
35	diethyl phthalate	201-550-6	84-66-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
37	dibenzofuran	205-071-3	132-64-9		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
38	carbazole	201-696-0	86-74-8		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
39	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
40	bis(2-ethylhexyl) ph halate; di-(2-ethylhexyl) ph halate; DEHP	607-317-00-9	204-211-0	117-81-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
41	bis(2-chloroethoxy)methane	203-920-2	111-91-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
42	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

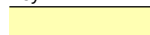
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
43	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
44	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
45	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
46	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
47	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
48	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
49	2-nitrophenol				<2.5 mg/kg		<2.5 mg/kg	<0.00025 %		<LOD
		201-857-5	88-75-5							
50	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<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]							
51	2,6-dinitrotoluene				<2.5 mg/kg		<2.5 mg/kg	<0.00025 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
52	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<2.5 mg/kg		<2.5 mg/kg	<0.00025 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<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]							
54	2,4-dichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
55	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
56	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
57	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-079-9	91-58-7							
58	2-me hyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-078-3	91-57-6							
59	benzo[a]anthracene				0.115 mg/kg		0.1 mg/kg	0.00001 %	✓	
	601-033-00-9	200-280-6	56-55-3							
60	benzo[k]fluoranthene				0.0528 mg/kg		0.0459 mg/kg	0.00000459 %	✓	
	601-036-00-5	205-916-6	207-08-9							
61	chrysene				0.112 mg/kg		0.0974 mg/kg	0.00000974 %	✓	
	601-048-00-0	205-923-4	218-01-9							
62	fluoranthene				0.256 mg/kg		0.223 mg/kg	0.0000223 %	✓	
		205-912-4	206-44-0							
63	pyrene				0.223 mg/kg		0.194 mg/kg	0.0000194 %	✓	
		204-927-3	129-00-0							
64	dichlorodifluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-893-9	75-71-8							
65	chloromethane; methyl chloride				<0.002 mg/kg		<0.002 mg/kg	<0.00000002 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
66	vinyl chloride; chloroethylene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-023-00-7	200-831-0	75-01-4							

#	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							
67	bromomethane; methylbromide				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
68	chloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
69	trichlorofluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-892-3	75-69-4							
70	1,1-dichloroethylene; vinylidene chloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
71	carbon disulphide				0.0042 mg/kg		0.0036 mg/kg	0.000000366 %	✓	
	006-003-00-3	200-843-6	75-15-0							
72	dichloromethane; methylene chloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
73	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
74	1,1-dichloroethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-011-00-1	200-863-5	75-34-3							
75	2,2-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		209-832-0	594-20-7							
76	bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-826-3	74-97-5							
77	chloroform; trichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
78	1,1,1-trichloroethane; methyl chloroform				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
79	1,1-dichloropropene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
80	carbon tetrachloride; tetrachloromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
81	1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-012-00-7	203-458-1	107-06-2							
82	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
83	trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
84	1,2-dichloropropane; propylene dichloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
85	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
86	bromodichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-856-7	75-27-4							
87	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
88	toluene				0.0015 mg/kg		0.0013 mg/kg	0.000000132 %	✓	
	601-021-00-3	203-625-9	108-88-3							
89	trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		431-460-4	10061-02-6							
90	1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
91	1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-531-3	142-28-9							
92	tetrachloroethylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
93	dibromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		204-704-0	124-48-1							
94	1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
95	chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-033-00-1	203-628-5	108-90-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
96	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
97	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
98	styrene	601-026-00-0	202-851-5	100-42-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
99	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
100	1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
101	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
102	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
103	mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
104	tert-butylbenzene	202-632-4	98-06-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
105	1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6	<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
106	sec-butylbenzene	205-227-0	135-98-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
107	4-isopropyltoluene	202-796-7	99-87-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
108	1,3-dichlorobenzene	602-067-00-7	208-792-1	541-73-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
109	1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
110	n-butylbenzene	203-209-7	104-51-8		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
111	1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
112	1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
113	2-me hoxy-2-methylbutane; tert-amyl methyl ether	603-213-00-2	213-611-4	994-05-8	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
114	1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1	<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
115	hexachlorobutadiene	201-765-5	87-68-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
116	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
117	1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
118	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
119	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]	<3.5 mg/kg		<3.5 mg/kg	<0.00035 %		<LOD
120	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]	<1 mg/kg		<1 mg/kg	<0.0001 %		<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							
121		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.0015 mg/kg		<0.0015 mg/kg	<0.00000015 %		<LOD
		602-026-00-3	208-750-2 [1]	540-59-0 [1]							
			205-859-7 [2]	156-59-2 [2]							
			205-860-2 [3]	156-60-5 [3]							
122		cumene; [1] propylbenzene [2]				<0.004 mg/kg		<0.004 mg/kg	<0.00000004 %		<LOD
		601-024-00-X	202-704-5 [1]	98-82-8 [1]							
			203-132-9 [2]	103-65-1 [2]							
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006 mg/kg		<0.006 mg/kg	<0.00000006 %		<LOD
		602-040-00-X	202-424-3 [1]	95-49-8 [1]							
			203-580-5 [2]	108-41-8 [2]							
			203-397-0 [3]	106-43-4 [3]							
			246-698-2 [4]	25168-05-2 [4]							
124		chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				12.5 mg/kg	1.462	15.894 mg/kg	0.00159 %	✓	
			215-160-9	1308-38-9							
Total:									0.108 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Most Likely Worst Case

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

carbon disulphide: (conc.: 3.66e-07%)

toluene: (conc.: 1.32e-07%)

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00896%)

Classification of sample: TP3-200723-0.30-0.30

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

Sample details

Sample name:	LoW Code:	
TP3-200723-0.30-0.30	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
6.6% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 6.6% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	boron { boron tribromide }				<1	mg/kg	23.173	<23.173	mg/kg	<0.00232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
2	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
3	TPH (C6 to C40) petroleum group				378	mg/kg		353.052	mg/kg	0.0353 %	✓	
			TPH									
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
5	arsenic { arsenic trioxide }				5.89	mg/kg	1.32	7.263	mg/kg	0.000726 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
6	cadmium { cadmium sulfide }			1	0.136	mg/kg	1.285	0.163	mg/kg	0.0000127 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
7	copper { dicopper oxide; copper (I) oxide }				11.7	mg/kg	1.126	12.303	mg/kg	0.00123 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	27.4	mg/kg		25.592	mg/kg	0.00256 %	✓	
	082-001-00-6											
9	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dihydroxide }				7.27	mg/kg	1.579	10.725	mg/kg	0.00107 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				17.2	mg/kg	1.785	28.679	mg/kg	0.00287 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				75.3	mg/kg	4.398	309.307	mg/kg	0.0309 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [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							
14	acenaphthylene	205-917-1	208-96-8		<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
15	acenaphthene	201-469-6	83-32-9		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
16	fluorene	201-695-5	86-73-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
17	phenanthrene	201-581-5	85-01-8		<0.75 mg/kg		<0.75 mg/kg	<0.000075 %		<LOD
18	anthracene	204-371-1	120-12-7		<0.8 mg/kg		<0.8 mg/kg	<0.00008 %		<LOD
19	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	1.9 mg/kg		1.775 mg/kg	0.000177 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	1.62 mg/kg		1.513 mg/kg	0.000151 %	✓	
21	indeno[123-cd]pyrene	205-893-2	193-39-5		1.35 mg/kg		1.261 mg/kg	0.000126 %	✓	
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		1.38 mg/kg		1.289 mg/kg	0.000129 %	✓	
24	pH		PH		8.87 pH		8.87 pH	8.87 pH		
25	phenol	604-001-00-2	203-632-7	108-95-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
27	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
28	nitrobenzene	609-003-00-7	202-716-0	98-95-3	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
29	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
30	hexachloroethane	200-666-4	67-72-1		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
31	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
33	di-n-octyl phthalate	204-214-7	117-84-0		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
34	dimethyl phthalate	205-011-6	131-11-3		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
35	diethyl phthalate	201-550-6	84-66-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
36	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
37	dibenzofuran	205-071-3	132-64-9		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
38	carbazole	201-696-0	86-74-8		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
39	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
40	bis(2-ethylhexyl) ph halate; di-(2-ethylhexyl) ph halate; DEHP	607-317-00-9	204-211-0	117-81-7	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
41	bis(2-chloroethoxy)methane	203-920-2	111-91-1		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
42	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4	<1 mg/kg		<1 mg/kg	<0.0001 %		<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							
43	azobenzene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
44	4-nitrophenol; p-nitrophenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
45	4-chlorophenylphenylether				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		230-281-7	7005-72-3							
46	4-chloroaniline				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
47	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
48	4-bromophenylphenylether				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		202-952-4	101-55-3							
49	2-nitrophenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		201-857-5	88-75-5							
50	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<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]							
51	2,6-dinitrotoluene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
52	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<1 mg/kg		<1 mg/kg	<0.0001 %		<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]							
54	2,4-dichlorophenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
55	2,4,6-trichlorophenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
56	2,4,5-trichlorophenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
57	2-chloronaphthalene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		202-079-9	91-58-7							
58	2-methyl naphthalene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		202-078-3	91-57-6							
59	benzo[a]anthracene				1.1 mg/kg		1.027 mg/kg	0.000103 %	✓	
	601-033-00-9	200-280-6	56-55-3							
60	benzo[k]fluoranthene				0.991 mg/kg		0.926 mg/kg	0.0000926 %	✓	
	601-036-00-5	205-916-6	207-08-9							
61	chrysene				1.01 mg/kg		0.943 mg/kg	0.0000943 %	✓	
	601-048-00-0	205-923-4	218-01-9							
62	fluoranthene				1.54 mg/kg		1.438 mg/kg	0.000144 %	✓	
		205-912-4	206-44-0							
63	pyrene				1.5 mg/kg		1.401 mg/kg	0.00014 %	✓	
		204-927-3	129-00-0							
64	dichlorodifluoromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-893-9	75-71-8							
65	chloromethane; methyl chloride				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
66	vinyl chloride; chloroethylene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-023-00-7	200-831-0	75-01-4							

#	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							
67	bromomethane; methylbromide				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
68	chloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
69	trichlorofluoromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-892-3	75-69-4							
70	1,1-dichloroethylene; vinylidene chloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
71	carbon disulphide				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	006-003-00-3	200-843-6	75-15-0							
72	dichloromethane; methylene chloride				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
73	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							
74	1,1-dichloroethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-011-00-1	200-863-5	75-34-3							
75	2,2-dichloropropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		209-832-0	594-20-7							
76	bromochloromethane				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		200-826-3	74-97-5							
77	chloroform; trichloromethane				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
78	1,1,1-trichloroethane; methyl chloroform				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
79	1,1-dichloropropene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
80	carbon tetrachloride; tetrachloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
81	1,2-dichloroethane; ethylene dichloride				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-012-00-7	203-458-1	107-06-2							
82	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
83	trichloroethylene; trichloroethene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
84	1,2-dichloropropane; propylene dichloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
85	dibromomethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
86	bromodichloromethane				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		200-856-7	75-27-4							
87	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
88	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
89	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
90	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
91	1,3-dichloropropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-531-3	142-28-9							
92	tetrachloroethylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
93	dibromochloromethane				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-704-0	124-48-1							
94	1,2-dibromoethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
95	chlorobenzene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-033-00-1	203-628-5	108-90-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
96	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
97	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
98	styrene	601-026-00-0	202-851-5	100-42-5	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
99	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
100	1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
101	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
102	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
103	mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
104	tert-butylbenzene	202-632-4	98-06-6		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
105	1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
106	sec-butylbenzene	205-227-0	135-98-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
107	4-isopropyltoluene	202-796-7	99-87-6		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
108	1,3-dichlorobenzene	602-067-00-7	208-792-1	541-73-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
109	1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
110	n-butylbenzene	203-209-7	104-51-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
111	1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
112	1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
113	2-me hoxy-2-methylbutane; tert-amyl methyl ether	603-213-00-2	213-611-4	994-05-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
114	1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
115	hexachlorobutadiene	201-765-5	87-68-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
116	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
117	1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
118	polychlorobiphenyls; PCB	602-039-00-4	215-648-1	1336-36-3	<0.42 mg/kg		<0.42 mg/kg	<0.000042 %		<LOD
119	coronene	205-881-7	191-07-1		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
120	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]	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
121	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]	<3 mg/kg		<3 mg/kg	<0.0003 %		<LOD
122	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2]	108-39-4 [1] 95-48-7 [2]	<2 mg/kg		<2 mg/kg	<0.0002 %		<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								
		203-398-6 [3] 215-293-2 [4]	106-44-5 [3] 1319-77-3 [4]								
123	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3] 602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %			<LOD
124	cumene; [1] propylbenzene [2] 601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %			<LOD
125	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4] 602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]		<0.06 mg/kg		<0.06 mg/kg	<0.000006 %			<LOD
126	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9	1308-38-9			7.88 mg/kg	1.462	10.757 mg/kg	0.00108 %		✓	
127	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:									0.0853 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Most Likely Worst Case

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0353%)

Classification of sample: TP3-200723-1.30-1.30

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

Sample details

Sample name:	LoW Code:	
TP3-200723-1.30-1.30	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number								
1	boron { boron tribromide }				<1 mg/kg	23.173	<23.173	mg/kg	<0.00232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4								
2	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6 mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
	024-001-00-0	215-607-8	1333-82-0								
3	TPH (C6 to C40) petroleum group				<10 mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH								
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1 mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5										
5	arsenic { arsenic trioxide }				7.18 mg/kg	1.32	8.248	mg/kg	0.000825 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
6	cadmium { cadmium sulfide }			1	<0.02 mg/kg	1.285	<0.0257	mg/kg	<0.000002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6								
7	copper { dicopper oxide; copper (I) oxide }				5.74 mg/kg	1.126	5.622	mg/kg	0.000562 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	16 mg/kg		13.92	mg/kg	0.00139 %	✓	
	082-001-00-6										
9	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7								
10	nickel { nickel dihydroxide }				8.98 mg/kg	1.579	12.34	mg/kg	0.00123 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]								
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8										
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				26.9 mg/kg	1.785	41.779	mg/kg	0.00418 %	✓	
	023-001-00-8	215-239-8	1314-62-1								
13	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				30.7 mg/kg	4.398	117.464	mg/kg	0.0117 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [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							
14	acenaphthylene	205-917-1	208-96-8		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
15	acenaphthene	201-469-6	83-32-9		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
16	fluorene	201-695-5	86-73-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
17	phenanthrene	201-581-5	85-01-8		0.0466 mg/kg		0.0405 mg/kg	0.00000405 %	✓	
18	anthracene	204-371-1	120-12-7		<0.032 mg/kg		<0.032 mg/kg	<0.0000032 %		<LOD
19	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.128 mg/kg		0.111 mg/kg	0.0000111 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.102 mg/kg		0.0887 mg/kg	0.00000887 %	✓	
21	indeno[123-cd]pyrene	205-893-2	193-39-5		0.0646 mg/kg		0.0562 mg/kg	0.00000562 %	✓	
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.046 mg/kg		<0.046 mg/kg	<0.0000046 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		0.0833 mg/kg		0.0725 mg/kg	0.00000725 %	✓	
24	pH		PH		8.31 pH		8.31 pH	8.31 pH		
25	phenol	604-001-00-2	203-632-7	108-95-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
27	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
28	nitrobenzene	609-003-00-7	202-716-0	98-95-3	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
29	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
30	hexachloroethane	200-666-4	67-72-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
31	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
32	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
33	di-n-octyl phthalate	204-214-7	117-84-0		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
34	dimethyl phthalate	205-011-6	131-11-3		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
35	diethyl phthalate	201-550-6	84-66-2		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
36	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
37	dibenzofuran	205-071-3	132-64-9		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
38	carbazole	201-696-0	86-74-8		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
39	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
40	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
41	bis(2-chloroethoxy)methane	203-920-2	111-91-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
42	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD

#	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							
43	azobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
44	4-nitrophenol; p-nitrophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
45	4-chlorophenylphenylether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		230-281-7	7005-72-3							
46	4-chloroaniline				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
47	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
48	4-bromophenylphenylether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		202-952-4	101-55-3							
49	2-nitrophenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
		201-857-5	88-75-5							
50	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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]							
51	2,6-dinitrotoluene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
52	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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]							
54	2,4-dichlorophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
55	2,4,6-trichlorophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
56	2,4,5-trichlorophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
57	2-chloronaphthalene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		202-079-9	91-58-7							
58	2-me hyl naphthalene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		202-078-3	91-57-6							
59	benzo[a]anthracene				0.0821 mg/kg		0.0714 mg/kg	0.00000714 %	✓	
	601-033-00-9	200-280-6	56-55-3							
60	benzo[k]fluoranthene				0.0408 mg/kg		0.0355 mg/kg	0.00000355 %	✓	
	601-036-00-5	205-916-6	207-08-9							
61	chrysene				0.0751 mg/kg		0.0653 mg/kg	0.00000653 %	✓	
	601-048-00-0	205-923-4	218-01-9							
62	fluoranthene				0.157 mg/kg		0.137 mg/kg	0.0000137 %	✓	
		205-912-4	206-44-0							
63	pyrene				0.157 mg/kg		0.137 mg/kg	0.0000137 %	✓	
		204-927-3	129-00-0							
64	dichlorodifluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-893-9	75-71-8							
65	chloromethane; methyl chloride				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
66	vinyl chloride; chloroethylene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-023-00-7	200-831-0	75-01-4							

#	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							
67	bromomethane; methylbromide				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
68	chloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
69	trichlorofluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-892-3	75-69-4							
70	1,1-dichloroethylene; vinylidene chloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
71	carbon disulphide				0.0065 mg/kg		0.0057 mg/kg	0.000000572 %	✓	
	006-003-00-3	200-843-6	75-15-0							
72	dichloromethane; methylene chloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
73	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
74	1,1-dichloroethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-011-00-1	200-863-5	75-34-3							
75	2,2-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		209-832-0	594-20-7							
76	bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-826-3	74-97-5							
77	chloroform; trichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
78	1,1,1-trichloroethane; methyl chloroform				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
79	1,1-dichloropropene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
80	carbon tetrachloride; tetrachloromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
81	1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-012-00-7	203-458-1	107-06-2							
82	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
83	trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
84	1,2-dichloropropane; propylene dichloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
85	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
86	bromodichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-856-7	75-27-4							
87	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
88	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
89	trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		431-460-4	10061-02-6							
90	1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
91	1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-531-3	142-28-9							
92	tetrachloroethylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
93	dibromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		204-704-0	124-48-1							
94	1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
95	chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-033-00-1	203-628-5	108-90-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
96	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
97	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
98	styrene	601-026-00-0	202-851-5	100-42-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
99	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
100	1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
101	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
102	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
103	mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
104	tert-butylbenzene	202-632-4	98-06-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
105	1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6	<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
106	sec-butylbenzene	205-227-0	135-98-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
107	4-isopropyltoluene	202-796-7	99-87-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
108	1,3-dichlorobenzene	602-067-00-7	208-792-1	541-73-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
109	1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
110	n-butylbenzene	203-209-7	104-51-8		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
111	1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
112	1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
113	2-me hoxy-2-methylbutane; tert-amyl methyl ether	603-213-00-2	213-611-4	994-05-8	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
114	1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1	<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
115	hexachlorobutadiene	201-765-5	87-68-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
116	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
117	1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
118	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
119	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]	<1.4 mg/kg		<1.4 mg/kg	<0.00014 %		<LOD
120	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]	<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<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							
121		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.0015 mg/kg		<0.0015 mg/kg	<0.00000015 %		<LOD
	602-026-00-3	208-750-2 [1]	540-59-0 [1]								
		205-859-7 [2]	156-59-2 [2]								
		205-860-2 [3]	156-60-5 [3]								
122		cumene; [1] propylbenzene [2]				<0.004 mg/kg		<0.004 mg/kg	<0.00000004 %		<LOD
	601-024-00-X	202-704-5 [1]	98-82-8 [1]								
		203-132-9 [2]	103-65-1 [2]								
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006 mg/kg		<0.006 mg/kg	<0.00000006 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]								
		203-580-5 [2]	108-41-8 [2]								
		203-397-0 [3]	106-43-4 [3]								
		246-698-2 [4]	25168-05-2 [4]								
124		chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				10.9 mg/kg	1.462	13.86 mg/kg	0.00139 %	✓	
		215-160-9	1308-38-9								
Total:									0.0264 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Most Likely Worst Case

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinand:

carbon disulphide: (conc.: 5.72e-07%)

Classification of sample: TP4-200723-0.30-0.30

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

Sample details

Sample name:	LoW Code:	
TP4-200723-0.30-0.30	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
9.2% (wet weight correction)		

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.: 0.121%)

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.: 0.121%)

Determinands

Moisture content: 9.2% Wet Weight Moisture Correction applied (MC)

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
1		boron { boron tribromide }				1.77	mg/kg	23.173	37.243	mg/kg	0.00372 %	✓	
		005-003-00-0	233-657-9	10294-33-4									
2		chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
		024-001-00-0	215-607-8	1333-82-0									
3		TPH (C6 to C40) petroleum group				1330	mg/kg		1207.64	mg/kg	0.121 %	✓	
				TPH									
4		cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
		006-007-00-5											
5		arsenic { arsenic trioxide }				6.46	mg/kg	1.32	7.745	mg/kg	0.000774 %	✓	
		033-003-00-0	215-481-4	1327-53-3									
6		cadmium { cadmium sulfide }			1	0.257	mg/kg	1.285	0.3	mg/kg	0.0000233 %	✓	
		048-010-00-4	215-147-8	1306-23-6									
7		copper { dicopper oxide; copper (I) oxide }				16.6	mg/kg	1.126	16.97	mg/kg	0.0017 %	✓	
		029-002-00-X	215-270-7	1317-39-1									

#		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									
8	 lead {  lead compounds with the exception of those specified elsewhere in this Annex (worst case) }	082-001-00-6			1	48.1	mg/kg		43.675	mg/kg	0.00437 %	✓	
9	 mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
10	 nickel { nickel dihydroxide }	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]		9.07	mg/kg	1.579	13.008	mg/kg	0.0013 %	✓	
11	 selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
12	 vanadium {  divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8	1314-62-1		21.1	mg/kg	1.785	34.202	mg/kg	0.00342 %	✓	
13	 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]		217	mg/kg	4.398	866.55	mg/kg	0.0867 %	✓	
14	 acenaphthylene		205-917-1	208-96-8		<0.24	mg/kg		<0.24	mg/kg	<0.000024 %		<LOD
15	 acenaphthene		201-469-6	83-32-9		<0.16	mg/kg		<0.16	mg/kg	<0.000016 %		<LOD
16	 fluorene		201-695-5	86-73-7		<0.2	mg/kg		<0.2	mg/kg	<0.00002 %		<LOD
17	 phenanthrene		201-581-5	85-01-8		<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
18	 anthracene		204-371-1	120-12-7		<0.32	mg/kg		<0.32	mg/kg	<0.000032 %		<LOD
19	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2		1.13	mg/kg		1.026	mg/kg	0.000103 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8		0.95	mg/kg		0.863	mg/kg	0.0000863 %	✓	
21	 indeno[123-cd]pyrene		205-893-2	193-39-5		0.587	mg/kg		0.533	mg/kg	0.0000533 %	✓	
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3		<0.46	mg/kg		<0.46	mg/kg	<0.000046 %		<LOD
23	 benzo[ghi]perylene		205-883-8	191-24-2		0.719	mg/kg		0.653	mg/kg	0.0000653 %	✓	
24	 pH			PH		10.4	pH		10.4	pH	10.4 pH		
25	phenol	604-001-00-2	203-632-7	108-95-2		<0.01	mg/kg		<0.01	mg/kg	<0.000001 %		<LOD
26	pentachlorophenol	604-002-00-8	201-778-6	87-86-5		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
27	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
28	nitrobenzene	609-003-00-7	202-716-0	98-95-3		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
29	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
30	 hexachloroethane		200-666-4	67-72-1		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
31	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4		<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
32	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1		<2	mg/kg		<2	mg/kg	<0.0002 %		<LOD
33	 di-n-octyl phthalate		204-214-7	117-84-0		<2	mg/kg		<2	mg/kg	<0.0002 %		<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							
34	dimethyl phthalate	205-011-6	131-11-3		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
35	diethyl phthalate	201-550-6	84-66-2		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
36	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
37	dibenzofuran	205-071-3	132-64-9		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
38	carbazole	201-696-0	86-74-8		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
39	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
40	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
41	bis(2-chloroethoxy)methane	203-920-2	111-91-1		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
42	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
43	azobenzene	611-001-00-6	203-102-5	103-33-3	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
44	4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
45	4-chlorophenylphenylether	230-281-7	7005-72-3		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
46	4-chloroaniline	612-137-00-9	203-401-0	106-47-8	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
47	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol	604-014-00-3	200-431-6	59-50-7	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
48	4-bromophenylphenylether	202-952-4	101-55-3		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
49	2-nitrophenol	201-857-5	88-75-5		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
50	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
51	2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2	<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
52	2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]	<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
53	3,4-xlenol; [1] 2,5-xlenol; [2] 2,4-xlenol; [3] 2,3-xlenol; [4] 2,6-xlenol; [5] xlenol; [6] 2,4(or 2,5)-xlenol [7]	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
54	2,4-dichlorophenol	604-011-00-7	204-429-6	120-83-2	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
55	2,4,6-trichlorophenol	604-018-00-5	201-795-9	88-06-2	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
56	2,4,5-trichlorophenol	604-017-00-X	202-467-8	95-95-4	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
57	2-chloronaphthalene	202-079-9	91-58-7		<2 mg/kg		<2 mg/kg	<0.0002 %		<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							
58	2-methyl naphthalene	202-078-3	91-57-6		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
59	benzo[a]anthracene	601-033-00-9	200-280-6		0.902 mg/kg		0.819 mg/kg	0.0000819 %	✓	
60	benzo[k]fluoranthene	601-036-00-5	205-916-6		0.395 mg/kg		0.359 mg/kg	0.0000359 %	✓	
61	chrysene	601-048-00-0	205-923-4		0.829 mg/kg		0.753 mg/kg	0.0000753 %	✓	
62	fluoranthene	205-912-4	206-44-0		1.55 mg/kg		1.407 mg/kg	0.000141 %	✓	
63	pyrene	204-927-3	129-00-0		1.85 mg/kg		1.68 mg/kg	0.000168 %	✓	
64	dichlorodifluoromethane	200-893-9	75-71-8		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
65	chloromethane; methyl chloride	602-001-00-7	200-817-4		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
66	vinyl chloride; chloro ethylene	602-023-00-7	200-831-0		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
67	bromomethane; methylbromide	602-002-00-2	200-813-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68	chloroethane	602-009-00-0	200-830-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69	trichlorofluoromethane	200-892-3	75-69-4		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
70	1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
71	carbon disulphide	006-003-00-3	200-843-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
72	dichloromethane; methylene chloride	602-004-00-3	200-838-9		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
73	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
74	1,1-dichloroethane	602-011-00-1	200-863-5		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
75	2,2-dichloropropane	209-832-0	594-20-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
76	bromochloromethane	200-826-3	74-97-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
77	chloroform; trichloromethane	602-006-00-4	200-663-8		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
78	1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
79	1,1-dichloropropene	602-031-00-0	209-253-3		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
80	carbon tetrachloride; tetrachloromethane	602-008-00-5	200-262-8		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
81	1,2-dichloroethane; ethylene dichloride	602-012-00-7	203-458-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
82	benzene	601-020-00-8	200-753-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
83	trichloroethylene; trichloroethene	602-027-00-9	201-167-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
84	1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
85	dibromomethane	602-003-00-8	200-824-2		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
86	bromodichloromethane	200-856-7	75-27-4		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<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							
87	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]		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
88	toluene 601-021-00-3	203-625-9	108-88-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
89	trans-1,3-dichloropropene 431-460-4		10061-02-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
90	1,1,2-trichloroethane 602-014-00-8	201-166-9	79-00-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
91	1,3-dichloropropane 205-531-3		142-28-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
92	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
93	dibromochloromethane 204-704-0		124-48-1		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
94	1,2-dibromoethane 602-010-00-6	203-444-5	106-93-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
95	chlorobenzene 602-033-00-1	203-628-5	108-90-7		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
96	1,1,1,2-tetrachloroethane 211-135-1		630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
97	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
98	styrene 601-026-00-0	202-851-5	100-42-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
99	bromoform; tribromomethane 602-007-00-X	200-854-6	75-25-2		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
100	1,1,2,2-tetrachloroethane 602-015-00-3	201-197-8	79-34-5		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
101	1,2,3-trichloropropane 602-062-00-X	202-486-1	96-18-4		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
102	bromobenzene 602-060-00-9	203-623-8	108-86-1		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
103	mesitylene; 1,3,5-trimethylbenzene 601-025-00-5	203-604-4	108-67-8		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
104	tert-butylbenzene 202-632-4		98-06-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
105	1,2,4-trimethylbenzene 601-043-00-3	202-436-9	95-63-6		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
106	sec-butylbenzene 205-227-0		135-98-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
107	4-isopropyltoluene 202-796-7		99-87-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
108	1,3-dichlorobenzene 602-067-00-7	208-792-1	541-73-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
109	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2	203-400-5	106-46-7		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
110	n-butylbenzene 203-209-7		104-51-8		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
111	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7	202-425-9	95-50-1		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
112	1,2-dibromo-3-chloropropane 602-021-00-6	202-479-3	96-12-8		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
113	2-me hoxo-2-methylbutane; tert-amyl methyl ether 603-213-00-2	213-611-4	994-05-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
114	1,2,4-trichlorobenzene 602-087-00-6	204-428-0	120-82-1		<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
115	hexachlorobutadiene 201-765-5		87-68-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<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								
116	naphthalene				<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %			<LOD
	601-052-00-2	202-049-5	91-20-3								
117	1,2,3-trichlorobenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %			<LOD
		201-757-1	87-61-6								
118	xylene				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %			<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
119	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<14 mg/kg		<14 mg/kg	<0.0014 %			<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]								
120	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				4.22 mg/kg		3.832 mg/kg	0.000383 %		✓	
	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]								
121	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.0015 mg/kg		<0.0015 mg/kg	<0.00000015 %			<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]								
122	cumene; [1] propylbenzene [2]				<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %			<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]								
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	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				12.3 mg/kg	1.462	16.323 mg/kg	0.00163 %		✓	
		215-160-9	1308-38-9								
Total:									0.238 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Most Likely Worst Case

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.121%)

Classification of sample: TP4-200723-1.00-1.00

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

Sample details

Sample name:	LoW Code:	
TP4-200723-1.00-1.00	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
13% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	boron { boron tribromide }				<1	mg/kg	23.173	<23.173	mg/kg	<0.00232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
2	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
3	TPH (C6 to C40) petroleum group				12.6	mg/kg		10.962	mg/kg	0.0011 %	✓	
			TPH									
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
5	arsenic { arsenic trioxide }				7.88	mg/kg	1.32	9.052	mg/kg	0.000905 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
6	cadmium { cadmium sulfide }			1	<0.02	mg/kg	1.285	<0.0257	mg/kg	<0.000002 %		<LOD
	048-010-00-4	215-147-8	1306-23-6									
7	copper { dicopper oxide; copper (I) oxide }				12.9	mg/kg	1.126	12.636	mg/kg	0.00126 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	33.5	mg/kg		29.145	mg/kg	0.00291 %	✓	
	082-001-00-6											
9	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dihydroxide }				16.1	mg/kg	1.579	22.124	mg/kg	0.00221 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				32.1	mg/kg	1.785	49.855	mg/kg	0.00499 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				55.5	mg/kg	4.398	212.354	mg/kg	0.0212 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [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							
14	acenaphthylene	205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
15	acenaphthene	201-469-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
16	fluorene	201-695-5	86-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
17	phenanthrene	201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
18	anthracene	204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
19	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
21	indeno[123-cd]pyrene	205-893-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
24	pH		PH		7.97 pH		7.97 pH	7.97 pH		
25	phenol	604-001-00-2	203-632-7	108-95-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
27	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	nitrobenzene	609-003-00-7	202-716-0	98-95-3	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	hexachloroethane	200-666-4	67-72-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	di-n-octyl phthalate	204-214-7	117-84-0		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	dimethyl phthalate	205-011-6	131-11-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	diethyl phthalate	201-550-6	84-66-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
36	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
37	dibenzofuran	205-071-3	132-64-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
38	carbazole	201-696-0	86-74-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
39	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
40	bis(2-ethylhexyl) ph halate; di-(2-ethylhexyl) ph halate; DEHP	607-317-00-9	204-211-0	117-81-7	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
41	bis(2-chloroethoxy)methane	203-920-2	111-91-1		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
42	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4	<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD

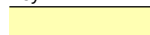
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
43	azobenzene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
44	4-nitrophenol; p-nitrophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
45	4-chlorophenylphenylether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		230-281-7	7005-72-3							
46	4-chloroaniline				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
47	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
48	4-bromophenylphenylether				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		202-952-4	101-55-3							
49	2-nitrophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-857-5	88-75-5							
50	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
51	2,6-dinitrotoluene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
52	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
53	3,4-xlenol; [1] 2,5-xlenol; [2] 2,4-xlenol; [3] 2,3-xlenol; [4] 2,6-xlenol; [5] xlenol; [6] 2,4(or 2,5)-xlenol [7]				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<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]							
54	2,4-dichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
55	2,4,6-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
56	2,4,5-trichlorophenol				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
57	2-chloronaphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		202-079-9	91-58-7							
58	2-me hyl naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		202-078-3	91-57-6							
59	benzo[a]anthracene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
	601-033-00-9	200-280-6	56-55-3							
60	benzo[k]fluoranthene				<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
	601-036-00-5	205-916-6	207-08-9							
61	chrysene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-048-00-0	205-923-4	218-01-9							
62	fluoranthene				<0.017 mg/kg		<0.017 mg/kg	<0.0000017 %		<LOD
		205-912-4	206-44-0							
63	pyrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		204-927-3	129-00-0							
64	dichlorodifluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-893-9	75-71-8							
65	chloromethane; methyl chloride				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
66	vinyl chloride; chloroethylene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-023-00-7	200-831-0	75-01-4							

#	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							
67	bromomethane; methylbromide				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
68	chloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
69	trichlorofluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-892-3	75-69-4							
70	1,1-dichloroethylene; vinylidene chloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
71	carbon disulphide				0.0048 mg/kg		0.0041 mg/kg	0.000000418 %	✓	
	006-003-00-3	200-843-6	75-15-0							
72	dichloromethane; methylene chloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
73	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
74	1,1-dichloroethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-011-00-1	200-863-5	75-34-3							
75	2,2-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		209-832-0	594-20-7							
76	bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-826-3	74-97-5							
77	chloroform; trichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
78	1,1,1-trichloroethane; methyl chloroform				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
79	1,1-dichloropropene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
80	carbon tetrachloride; tetrachloromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
81	1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-012-00-7	203-458-1	107-06-2							
82	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
83	trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
84	1,2-dichloropropane; propylene dichloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
85	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
86	bromodichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-856-7	75-27-4							
87	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
88	toluene				0.0013 mg/kg		0.0011 mg/kg	0.000000113 %	✓	
	601-021-00-3	203-625-9	108-88-3							
89	trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		431-460-4	10061-02-6							
90	1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
91	1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-531-3	142-28-9							
92	tetrachloroethylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
93	dibromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		204-704-0	124-48-1							
94	1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
95	chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-033-00-1	203-628-5	108-90-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
96	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
97	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
98	styrene	601-026-00-0	202-851-5	100-42-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
99	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
100	1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
101	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
102	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
103	mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
104	tert-butylbenzene	202-632-4	98-06-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
105	1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6	<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
106	sec-butylbenzene	205-227-0	135-98-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
107	4-isopropyltoluene	202-796-7	99-87-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
108	1,3-dichlorobenzene	602-067-00-7	208-792-1	541-73-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
109	1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
110	n-butylbenzene	203-209-7	104-51-8		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
111	1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
112	1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
113	2-me hoxy-2-methylbutane; tert-amyl methyl ether	603-213-00-2	213-611-4	994-05-8	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
114	1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1	<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
115	hexachlorobutadiene	201-765-5	87-68-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
116	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
117	1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
118	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
119	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]	<0.3 mg/kg		<0.3 mg/kg	<0.00003 %		<LOD
120	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number							
121		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.0015 mg/kg		<0.0015 mg/kg	<0.00000015 %		<LOD
		602-026-00-3	208-750-2 [1]	540-59-0 [1]							
			205-859-7 [2]	156-59-2 [2]							
			205-860-2 [3]	156-60-5 [3]							
122		cumene; [1] propylbenzene [2]				<0.004 mg/kg		<0.004 mg/kg	<0.00000004 %		<LOD
		601-024-00-X	202-704-5 [1]	98-82-8 [1]							
			203-132-9 [2]	103-65-1 [2]							
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006 mg/kg		<0.006 mg/kg	<0.00000006 %		<LOD
		602-040-00-X	202-424-3 [1]	95-49-8 [1]							
			203-580-5 [2]	108-41-8 [2]							
			203-397-0 [3]	106-43-4 [3]							
			246-698-2 [4]	25168-05-2 [4]							
124		chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				16.6 mg/kg	1.462	21.108 mg/kg	0.00211 %	✓	
			215-160-9	1308-38-9							
Total:									0.04 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Most Likely Worst Case

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

carbon disulphide: (conc.: 4.18e-07%)

toluene: (conc.: 1.13e-07%)

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0011%)

Classification of sample: TP5-200723-1.00-1.00

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

Sample details

Sample name:	LoW Code:	
TP5-200723-1.00-1.00	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
16% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	boron { boron tribromide }				1.12	mg/kg	23.173	21.801	mg/kg	0.00218 %	✓	
	005-003-00-0	233-657-9	10294-33-4									
2	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
3	TPH (C6 to C40) petroleum group				<10	mg/kg		<10	mg/kg	<0.001 %		<LOD
			TPH									
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
5	arsenic { arsenic trioxide }				14.7	mg/kg	1.32	16.303	mg/kg	0.00163 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
6	cadmium { cadmium sulfide }			1	0.319	mg/kg	1.285	0.344	mg/kg	0.0000268 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
7	copper { dicopper oxide; copper (I) oxide }				28	mg/kg	1.126	26.481	mg/kg	0.00265 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	72.9	mg/kg		61.236	mg/kg	0.00612 %	✓	
	082-001-00-6											
9	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dihydroxide }				20.3	mg/kg	1.579	26.934	mg/kg	0.00269 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				36.1	mg/kg	1.785	54.134	mg/kg	0.00541 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				141	mg/kg	4.398	520.89	mg/kg	0.0521 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [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							
14	acenaphthylene	205-917-1	208-96-8		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
15	acenaphthene	201-469-6	83-32-9		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
16	fluorene	201-695-5	86-73-7		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
17	phenanthrene	201-581-5	85-01-8		0.161 mg/kg		0.135 mg/kg	0.0000135 %	✓	
18	anthracene	204-371-1	120-12-7		0.0426 mg/kg		0.0358 mg/kg	0.00000358 %	✓	
19	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	0.324 mg/kg		0.272 mg/kg	0.0000272 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	0.266 mg/kg		0.223 mg/kg	0.0000223 %	✓	
21	indeno[123-cd]pyrene	205-893-2	193-39-5		0.176 mg/kg		0.148 mg/kg	0.0000148 %	✓	
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<0.046 mg/kg		<0.046 mg/kg	<0.0000046 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		0.217 mg/kg		0.182 mg/kg	0.0000182 %	✓	
24	pH		PH		7.66 pH		7.66 pH	7.66 pH		
25	phenol	604-001-00-2	203-632-7	108-95-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
27	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
28	nitrobenzene	609-003-00-7	202-716-0	98-95-3	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
29	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
30	hexachloroethane	200-666-4	67-72-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
31	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
32	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
33	di-n-octyl phthalate	204-214-7	117-84-0		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
34	dimethyl phthalate	205-011-6	131-11-3		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
35	diethyl phthalate	201-550-6	84-66-2		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
36	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
37	dibenzofuran	205-071-3	132-64-9		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
38	carbazole	201-696-0	86-74-8		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
39	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
40	bis(2-ethylhexyl) ph halate; di-(2-ethylhexyl) ph halate; DEHP	607-317-00-9	204-211-0	117-81-7	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
41	bis(2-chloroethoxy)methane	203-920-2	111-91-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
42	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4	<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD

#	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							
43	azobenzene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
44	4-nitrophenol; p-nitrophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
45	4-chlorophenylphenylether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		230-281-7	7005-72-3							
46	4-chloroaniline				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
47	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
48	4-bromophenylphenylether				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		202-952-4	101-55-3							
49	2-nitrophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		201-857-5	88-75-5							
50	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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]							
51	2,6-dinitrotoluene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
52	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<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]							
54	2,4-dichlorophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
55	2,4,6-trichlorophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
56	2,4,5-trichlorophenol				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
57	2-chloronaphthalene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		202-079-9	91-58-7							
58	2-me hyl naphthalene				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
		202-078-3	91-57-6							
59	benzo[a]anthracene				0.251 mg/kg		0.211 mg/kg	0.0000211 %	✓	
	601-033-00-9	200-280-6	56-55-3							
60	benzo[k]fluoranthene				0.115 mg/kg		0.0966 mg/kg	0.00000966 %	✓	
	601-036-00-5	205-916-6	207-08-9							
61	chrysene				0.216 mg/kg		0.181 mg/kg	0.0000181 %	✓	
	601-048-00-0	205-923-4	218-01-9							
62	fluoranthene				0.539 mg/kg		0.453 mg/kg	0.0000453 %	✓	
		205-912-4	206-44-0							
63	pyrene				0.497 mg/kg		0.417 mg/kg	0.0000417 %	✓	
		204-927-3	129-00-0							
64	dichlorodifluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-893-9	75-71-8							
65	chloromethane; methyl chloride				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
66	vinyl chloride; chloroethylene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-023-00-7	200-831-0	75-01-4							

#	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							
67	bromomethane; methylbromide				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
68	chloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
69	trichlorofluoromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
		200-892-3	75-69-4							
70	1,1-dichloroethylene; vinylidene chloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
71	carbon disulphide				0.0062 mg/kg		0.0052 mg/kg	0.000000526 %	✓	
	006-003-00-3	200-843-6	75-15-0							
72	dichloromethane; methylene chloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
73	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
74	1,1-dichloroethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-011-00-1	200-863-5	75-34-3							
75	2,2-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		209-832-0	594-20-7							
76	bromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-826-3	74-97-5							
77	chloroform; trichloromethane				<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
78	1,1,1-trichloroethane; methyl chloroform				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
79	1,1-dichloropropene				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
80	carbon tetrachloride; tetrachloromethane				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
81	1,2-dichloroethane; ethylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-012-00-7	203-458-1	107-06-2							
82	benzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
83	trichloroethylene; trichloroethene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
84	1,2-dichloropropane; propylene dichloride				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
85	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
86	bromodichloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		200-856-7	75-27-4							
87	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
88	toluene				0.0022 mg/kg		0.0019 mg/kg	0.00000019 %	✓	
	601-021-00-3	203-625-9	108-88-3							
89	trans-1,3-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		431-460-4	10061-02-6							
90	1,1,2-trichloroethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
91	1,3-dichloropropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-531-3	142-28-9							
92	tetrachloroethylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
93	dibromochloromethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		204-704-0	124-48-1							
94	1,2-dibromoethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
95	chlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-033-00-1	203-628-5	108-90-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
96	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
97	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
98	styrene	601-026-00-0	202-851-5	100-42-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
99	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
100	1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
101	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
102	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
103	mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
104	tert-butylbenzene	202-632-4	98-06-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
105	1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6	<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
106	sec-butylbenzene	205-227-0	135-98-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
107	4-isopropyltoluene	202-796-7	99-87-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
108	1,3-dichlorobenzene	602-067-00-7	208-792-1	541-73-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
109	1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
110	n-butylbenzene	203-209-7	104-51-8		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
111	1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
112	1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
113	2-me hoxy-2-methylbutane; tert-amyl methyl ether	603-213-00-2	213-611-4	994-05-8	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
114	1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1	<0.007 mg/kg		<0.007 mg/kg	<0.0000007 %		<LOD
115	hexachlorobutadiene	201-765-5	87-68-3		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
116	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
117	1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
118	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
119	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]	<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
120	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]	<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<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							
121		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.0015 mg/kg		<0.0015 mg/kg	<0.00000015 %		<LOD
		602-026-00-3	208-750-2 [1]	540-59-0 [1]							
			205-859-7 [2]	156-59-2 [2]							
			205-860-2 [3]	156-60-5 [3]							
122		cumene; [1] propylbenzene [2]				<0.004 mg/kg		<0.004 mg/kg	<0.00000004 %		<LOD
		601-024-00-X	202-704-5 [1]	98-82-8 [1]							
			203-132-9 [2]	103-65-1 [2]							
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.006 mg/kg		<0.006 mg/kg	<0.00000006 %		<LOD
		602-040-00-X	202-424-3 [1]	95-49-8 [1]							
			203-580-5 [2]	108-41-8 [2]							
			203-397-0 [3]	106-43-4 [3]							
			246-698-2 [4]	25168-05-2 [4]							
124		chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				15.4 mg/kg	1.462	18.907 mg/kg	0.00189 %	✓	
			215-160-9	1308-38-9							
Total:									0.0772 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Most Likely Worst Case

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

carbon disulphide: (conc.: 5.26e-07%)

toluene: (conc.: 1.9e-07%)

Classification of sample: TP5-200723-0.30-0.30

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

Sample details

Sample name:	LoW Code:	
TP5-200723-0.30-0.30	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
4.1% (wet weight correction)		

Hazard properties

None identified

Determinands

Moisture content: 4.1% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	boron { boron tribromide }				<1	mg/kg	23.173	<23.173	mg/kg	<0.00232 %		<LOD
	005-003-00-0	233-657-9	10294-33-4									
2	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
3	TPH (C6 to C40) petroleum group				464	mg/kg		444.976	mg/kg	0.0445 %	✓	
			TPH									
4	cyanides { salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex }				<1	mg/kg	1.884	<1.884	mg/kg	<0.000188 %		<LOD
	006-007-00-5											
5	arsenic { arsenic trioxide }				8.38	mg/kg	1.32	10.611	mg/kg	0.00106 %	✓	
	033-003-00-0	215-481-4	1327-53-3									
6	cadmium { cadmium sulfide }			1	0.229	mg/kg	1.285	0.282	mg/kg	0.000022 %	✓	
	048-010-00-4	215-147-8	1306-23-6									
7	copper { dicopper oxide; copper (I) oxide }				13	mg/kg	1.126	14.036	mg/kg	0.0014 %	✓	
	029-002-00-X	215-270-7	1317-39-1									
8	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	37.8	mg/kg		36.25	mg/kg	0.00363 %	✓	
	082-001-00-6											
9	mercury { mercury dichloride }				<0.1	mg/kg	1.353	<0.135	mg/kg	<0.0000135 %		<LOD
	080-010-00-X	231-299-8	7487-94-7									
10	nickel { nickel dihydroxide }				10.2	mg/kg	1.579	15.45	mg/kg	0.00155 %	✓	
	028-008-00-X	235-008-5 [1] 234-348-1 [2]	12054-48-7 [1] 11113-74-9 [2]									
11	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
12	vanadium { divanadium pentaoxide; vanadium pentoxide }				20.1	mg/kg	1.785	34.411	mg/kg	0.00344 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
13	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				66.9	mg/kg	4.398	282.158	mg/kg	0.0282 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [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							
14	acenaphthylene	205-917-1	208-96-8		<0.6 mg/kg		<0.6 mg/kg	<0.00006 %		<LOD
15	acenaphthene	201-469-6	83-32-9		<0.4 mg/kg		<0.4 mg/kg	<0.00004 %		<LOD
16	fluorene	201-695-5	86-73-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
17	phenanthrene	201-581-5	85-01-8		6.59 mg/kg		6.32 mg/kg	0.000632 %	✓	
18	anthracene	204-371-1	120-12-7		<0.8 mg/kg		<0.8 mg/kg	<0.00008 %		<LOD
19	benzo[b]fluoranthene	601-034-00-4	205-911-9	205-99-2	2.95 mg/kg		2.829 mg/kg	0.000283 %	✓	
20	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	2.95 mg/kg		2.829 mg/kg	0.000283 %	✓	
21	indeno[123-cd]pyrene	205-893-2	193-39-5		2.8 mg/kg		2.685 mg/kg	0.000269 %	✓	
22	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	<1.15 mg/kg		<1.15 mg/kg	<0.000115 %		<LOD
23	benzo[ghi]perylene	205-883-8	191-24-2		2.01 mg/kg		1.928 mg/kg	0.000193 %	✓	
24	pH		PH		8.77 pH		8.77 pH	8.77 pH		
25	phenol	604-001-00-2	203-632-7	108-95-2	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
26	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
27	nitrosodipropylamine	612-098-00-8	210-698-0	621-64-7	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
28	nitrobenzene	609-003-00-7	202-716-0	98-95-3	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
29	3,5,5-trimethylcyclohex-2-enone; isophorone	606-012-00-8	201-126-0	78-59-1	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
30	hexachloroethane	200-666-4	67-72-1		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
31	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
32	hexachlorobenzene	602-065-00-6	204-273-9	118-74-1	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	di-n-octyl phthalate	204-214-7	117-84-0		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	dimethyl phthalate	205-011-6	131-11-3		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
35	diethyl phthalate	201-550-6	84-66-2		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
36	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
37	dibenzofuran	205-071-3	132-64-9		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
38	carbazole	201-696-0	86-74-8		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
39	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
40	bis(2-ethylhexyl) ph halate; di-(2-ethylhexyl) ph halate; DEHP	607-317-00-9	204-211-0	117-81-7	<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
41	bis(2-chloroethoxy)methane	203-920-2	111-91-1		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
42	bis(2-chloroethyl) ether	603-029-00-2	203-870-1	111-44-4	<2 mg/kg		<2 mg/kg	<0.0002 %		<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							
43	azobenzene				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
44	4-nitrophenol; p-nitrophenol				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
45	4-chlorophenylphenylether				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
		230-281-7	7005-72-3							
46	4-chloroaniline				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
47	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
48	4-bromophenylphenylether				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
		202-952-4	101-55-3							
49	2-nitrophenol				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
		201-857-5	88-75-5							
50	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<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]							
51	2,6-dinitrotoluene				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
52	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<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]							
54	2,4-dichlorophenol				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
55	2,4,6-trichlorophenol				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
56	2,4,5-trichlorophenol				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
57	2-chloronaphthalene				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
		202-079-9	91-58-7							
58	2-methyl naphthalene				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
		202-078-3	91-57-6							
59	benzo[a]anthracene				2.38 mg/kg		2.282 mg/kg	0.000228 %	✓	
	601-033-00-9	200-280-6	56-55-3							
60	benzo[k]fluoranthene				3.11 mg/kg		2.982 mg/kg	0.000298 %	✓	
	601-036-00-5	205-916-6	207-08-9							
61	chrysene				4.6 mg/kg		4.411 mg/kg	0.000441 %	✓	
	601-048-00-0	205-923-4	218-01-9							
62	fluoranthene				8.4 mg/kg		8.056 mg/kg	0.000806 %	✓	
		205-912-4	206-44-0							
63	pyrene				7.84 mg/kg		7.519 mg/kg	0.000752 %	✓	
		204-927-3	129-00-0							
64	dichlorodifluoromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-893-9	75-71-8							
65	chloromethane; methyl chloride				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
66	vinyl chloride; chloroethylene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-023-00-7	200-831-0	75-01-4							

#	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							
67	bromomethane; methylbromide				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
68	chloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
69	trichlorofluoromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-892-3	75-69-4							
70	1,1-dichloroethylene; vinylidene chloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
71	carbon disulphide				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	006-003-00-3	200-843-6	75-15-0							
72	dichloromethane; methylene chloride				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-004-00-3	200-838-9	75-09-2							
73	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							
74	1,1-dichloroethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-011-00-1	200-863-5	75-34-3							
75	2,2-dichloropropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		209-832-0	594-20-7							
76	bromochloromethane				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		200-826-3	74-97-5							
77	chloroform; trichloromethane				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
78	1,1,1-trichloroethane; methyl chloroform				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
79	1,1-dichloropropene				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
80	carbon tetrachloride; tetrachloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-008-00-5	200-262-8	56-23-5							
81	1,2-dichloroethane; ethylene dichloride				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-012-00-7	203-458-1	107-06-2							
82	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
83	trichloroethylene; trichloroethene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6							
84	1,2-dichloropropane; propylene dichloride				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
85	dibromomethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
86	bromodichloromethane				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		200-856-7	75-27-4							
87	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
88	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
89	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
90	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
91	1,3-dichloropropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		205-531-3	142-28-9							
92	tetrachloroethylene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-028-00-4	204-825-9	127-18-4							
93	dibromochloromethane				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
		204-704-0	124-48-1							
94	1,2-dibromoethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
95	chlorobenzene				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-033-00-1	203-628-5	108-90-7							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
96	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
97	ethylbenzene	601-023-00-4	202-849-4	100-41-4	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
98	styrene	601-026-00-0	202-851-5	100-42-5	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
99	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
100	1,1,2,2-tetrachloroethane	602-015-00-3	201-197-8	79-34-5	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
101	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
102	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
103	mesitylene; 1,3,5-trimethylbenzene	601-025-00-5	203-604-4	108-67-8	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
104	tert-butylbenzene	202-632-4	98-06-6		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
105	1,2,4-trimethylbenzene	601-043-00-3	202-436-9	95-63-6	<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
106	sec-butylbenzene	205-227-0	135-98-8		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
107	4-isopropyltoluene	202-796-7	99-87-6		<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
108	1,3-dichlorobenzene	602-067-00-7	208-792-1	541-73-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
109	1,4-dichlorobenzene; p-dichlorobenzene	602-035-00-2	203-400-5	106-46-7	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
110	n-butylbenzene	203-209-7	104-51-8		<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
111	1,2-dichlorobenzene; o-dichlorobenzene	602-034-00-7	202-425-9	95-50-1	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
112	1,2-dibromo-3-chloropropane	602-021-00-6	202-479-3	96-12-8	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
113	2-me hoxy-2-methylbutane; tert-amyl methyl ether	603-213-00-2	213-611-4	994-05-8	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
114	1,2,4-trichlorobenzene	602-087-00-6	204-428-0	120-82-1	<0.07 mg/kg		<0.07 mg/kg	<0.000007 %		<LOD
115	hexachlorobutadiene	201-765-5	87-68-3		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
116	naphthalene	601-052-00-2	202-049-5	91-20-3	<0.08 mg/kg		<0.08 mg/kg	<0.000008 %		<LOD
117	1,2,3-trichlorobenzene	201-757-1	87-61-6		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
118	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]	<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
119	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]	<14 mg/kg		<14 mg/kg	<0.0014 %		<LOD
120	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]	<4 mg/kg		<4 mg/kg	<0.0004 %		<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							
121		1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
		602-026-00-3	208-750-2 [1]	540-59-0 [1]							
			205-859-7 [2]	156-59-2 [2]							
			205-860-2 [3]	156-60-5 [3]							
122		cumene; [1] propylbenzene [2]				<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
		601-024-00-X	202-704-5 [1]	98-82-8 [1]							
			203-132-9 [2]	103-65-1 [2]							
123		2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.06 mg/kg		<0.06 mg/kg	<0.000006 %		<LOD
		602-040-00-X	202-424-3 [1]	95-49-8 [1]							
			203-580-5 [2]	108-41-8 [2]							
			203-397-0 [3]	106-43-4 [3]							
			246-698-2 [4]	25168-05-2 [4]							
124		chromium in chromium(III) compounds {  chromium(III) oxide (worst case) }				13.5 mg/kg	1.462	18.922 mg/kg	0.00189 %	✓	
			215-160-9	1308-38-9							
Total:									0.106 %		

Key

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

Supplementary Hazardous Property Information

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

Force this Hazardous property to non hazardous because Most Likely Worst Case

Hazard Statements hit:

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

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0445%)

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

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

• **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

• **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

• **divanadium pentaoxide; vanadium pentoxide** (EC Number: 215-239-8, CAS Number: 1314-62-1)

GB MCL index number: 023-001-00-8

Description/Comments: Hazard statements H301, H330, H350 added by HazWasteOnline due to ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List]. Substance has therefore been self-classified.

Additional Hazard Statement(s): Carc. 1B; H350 , Acute Tox. 3; H301 , Acute Tox. 2; H330

Reason for additional Hazards Statement(s):

20 Sep 2022 - Carc. 1B; H350 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be Carc. 1B; H350. The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List].

Substance has therefore been self-classified.

28 Sep 2022 - Acute Tox. 3; H301 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 3; H301". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List].

Substance has therefore been self-classified.

28 Sep 2022 - Acute Tox. 2; H330 hazard statement sourced from: ATP 18 (Regulation (EU) 2022/692) considers vanadium pentoxide to be "Acute tox 2; H330". The GB MCL Agency has reached the same opinion [but is yet to formerly make this change to the MCL List].

Substance has therefore been self-classified.

• **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

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Carc. 2; H351

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

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

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

Data source date: 23 Jul 2015

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

■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

■ **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

■ **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

■ **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

■ **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

■ **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

• **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

• **bis(2-chloroethoxy)methane** (EC Number: 203-920-2, CAS Number: 111-91-1)

Description/Comments: VOC; Data from C&L Inventory Database

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

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

• **4-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

• **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

• **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

• **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

• **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

■ **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

■ **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

▪ **4-isopropyltoluene** (EC Number: 202-796-7, CAS Number: 99-87-6)

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 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , 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

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

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

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

▪ **polychlorobiphenyls; PCB** (EC Number: 215-648-1, CAS Number: 1336-36-3)

GB MCL index number: 602-039-00-4

Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans;

POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

▪ **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.

Data source: <http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>

Data source date: 16 Jun 2014

Hazard Statements: STOT SE 2; H371

Appendix B: Rationale for selection of metal species

boron {boron tribromide}

worst-case

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

Most likely 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}

Most likely worst-case

arsenic {arsenic trioxide}

Most likely worst-case

cadmium {cadmium sulfide}

Most likely worst-case

copper {dicopper oxide; copper (I) oxide}

Most likely worst-case

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Most L kely Worst Case

mercury {mercury dichloride}

Most likely worst-case

nickel {nickel dihydroxide}

Most likely worst-case

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

Most likely worst-case

vanadium {divanadium pentaoxide; vanadium pentoxide}

Most likely worst-case

zinc {zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2]}

Most L kely Worst Case

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

worst case

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**

HazWasteOnline Classification Engine Version: 2023.221.5713.10531 (09 Aug 2023)

HazWasteOnline Database: 2023.221.5713.10531 (09 Aug 2023)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021