

Soil Investigation Letter Report and Updated Remediation Strategy

Land to the north of Summer Lane, Pagham PO21 3FL

Countryside Partnerships Limited

Report Reference: GWPR5636/CLR/November 2023			Status: Final
Issue	Prepared By	Checked By	Verified By
V1.01			
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Contamination Letter Report and Remediation Strategy	
REPORT REFERENCE	GWPR5636/CLR/November 2023. The conditions and limitations of this contamination report can be viewed within Appendix A, with the aims of the investigation provided within Appendix B. A technical glossary has also been provided within Appendix C.
SITE DETAILS	The site comprised a ~16,000m² irregular-shaped plot of land, to the south of Summer Lane. The site was located in Pagham. A site location plan is given within Figure 1. The sites intended future use is a POS, with a mound in the centre and a children's play area in the northern section of the site.
PROPOSED DEVELOPMENT	At the time of reporting, November 2023, the proposed development will consist of residential housing with associated off-road parking, gardens and access roads. The access will be via the widened section of Summer Lane. The specific area of the site in question, was originally a field, however, has been turned into a public open space. Preparatory works are being undertaken to facilitate the site for use as a public open space. The soil source was from the development site as part of the DoWCoP declaration.
ANTICIPATED GEOLOGY AND HYDROGEOLOGY	The British Geological Survey Solid and Drift Geology Map Sheet No. 332 revealed that the site was underlain by superficial deposits of River terrace deposits and bedrock deposits of the London Clay Formation. The aquifer designation and associated description for each stratum that underlies the site are detailed below: River Terrace Deposits: - Secondary A Aquifer – 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. London Clay Formation: - Unproductive Stratum – Deposits with low permeability that have negligible significance for water supply or river base flow.
SITE WORKS	Site works were undertaken between 25/07/2023 and 28/07/2023 and comprised the excavation of 50No. trial pits to a depth of 1.00m bgl. A sample from each of these (at various depths) was taken for an asbestos screening, with 5No. samples testing for a suite of contaminants. Further site works were undertaken on 17/10/2023 and comprised the excavation of 20No. Trial pits to depths between 0.20 – 0.80m bgl. A sample from each of these (at various depths) was taken for an asbestos screening. 10No. samples were taken within the 20x20m square of TP18 and TP34. These were targeted samples in order to possibly reduce the size of the remediation area, as TP18 and TP34 were the affected areas.
GROUND CONDITIONS ENCOUNTERED	A summary of the ground conditions encountered can be viewed below. The trial hole logs can be seen within Appendix D.

Contamination Letter Report and Remediation Strategy

Summary of Strata Encountered (TP1 – TP50)

Strata	Top Depth (m bgl)	Base Depth (m bgl)	Thickness (m)
MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%). (TP1 – TP28).	GL	0.50 – 1.00	0.50 – 1.00
MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%). (TP29 – TP50).	GL	0.70 – 1.00	0.70 – 1.00
REWORKED GROUND: Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint.	0.50 – 0.80	>1.00	>0.50 - >0.80

GROUNDWATER

No groundwater strikes were noted in any of the trial pits.

ROOTS

Roots were noted to ~0.30m in all of the trial pits.

It should be noted that roots may be found to greater depths at other locations on the site, particularly close to trees and/or trees that have been removed both within the site and its close environs.

CHEMICAL / CONTAMINATION

A set of samples (5No. Made Ground) were submitted to the accredited chemical laboratory for analysis. The results can be viewed in Appendix E.

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

Chemical laboratory testing indicated no elevated levels of determinands exceeding the Generic Assessment Criteria (GAC) for a 'Public Open Space' land-use scenario.

Therefore, the material used was chemically suitable for the site, with respect to a wide range of contaminants. Asbestos was tested in a more targeted way and at a 20x20m square grid. And reported below.

CIRIA TABLE 14.1

As part of the preparatory works being undertaken, samples were taken in a 20mx20m grid across the site, amounting to 50No. samples spread throughout. Each of these samples underwent an asbestos screening, in which, 4No. samples came back positive. Showing two separate 'hot spot areas' within the site. The depth of each sample taken can be seen within the trial hole logs.

Asbestos was identified within 4No. samples, shown in the table below:

Identified Asbestos Samples			
Sample	Depth (m bgl.)	Type	Asbestos Classification
TP18	0.50	Fibers	Amosite (brown)

Contamination Letter Report and Remediation Strategy

TP19	0.80	Fibers	Chrysotile (white)
TP20	0.20	Fibers	Chrysotile (white)
TP34	0.50	ACM Debris in Soil	Amosite (brown)

Full quantification was undertaken on each sample and indicated that asbestos was present between < 0.001% - 0.002%.

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/ (m bgl)/ Asbestos	CIRIA Table 14.1 Accumulated Risk (fibres/ml.year)	CIRIA Table 14.1 Risk	CIRIA Table 14.3 Accumulated Risk (fibres/ml.year)	CIRIA Table 14.3 Risk
TP18/0.50/ Amosite	0.00119	Insignificant to roughly about 2 people (remediation required to alleviate risk)	0.00085	Insignificant
TP19/0.80/ Chrysotile	0.00091	Insignificant	0.00065	Insignificant
TP20/0.20/ Chrysotile	0.00091	Insignificant	0.00065	Insignificant
TP34/0.50/ Amosite	0.00237	Insignificant to roughly about 2 people (remediation required to alleviate risk)	0.00169	Insignificant

Based on CIRIA Table 14.1 and 14.3, the risk for TP19/0.80m bgl and TP20/0.20m bgl was considered to be insignificant. Therefore, no remediation procedures were considered necessary with respect to asbestos in these areas within the Made Ground.

Based on CIRIA Table 14.1 and 14.3, the risk for TP18/0.50m bgl and TP34/0.50m bgl was considered to be significant. Therefore, remediation procedures were considered necessary with respect to

Contamination Letter Report and Remediation Strategy

asbestos in these areas within the Made Ground. **The remediation strategy within this report must be implemented within these areas.**

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.

WASTE CLASSIFICATION

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

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

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

Following the investigation, 5No. 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. Any horizon where olfactory or visual evidence of contamination was present was also sampled.

Based on a risk phase analysis of the chemical laboratory test results, in accordance with EC Hazardous Waste Directive and undertaken by Ground and Water Limited, all soil samples of Made Ground encountered on-site were NON-HAZARDOUS, **with respect to chemical testing, excluding asbestos**. The results of the assessment are given within Appendix F.

With respect to asbestos containing materials, no visual observations were made with respect to ACM fragments. Asbestos was found in 4 out of 50 locations tested and the quantifications were <0.1%. It should be noted however that in TP34 ACM debris in soil was recorded by the lab. That would mean potential visual fragments. The quantification however for this sample came back as <0.1%.

Any visual fragments of asbestos or fibres in soil with concentration of >0.1% is considered hazardous.

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

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

Contamination Letter Report and Remediation Strategy

REMEDIATION STRATEGY

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.

In line with the area within where the samples were analysed, the identified contamination of amosite was found to be present in the form of a hotspot at locations TP18 and TP34. Further testing was undertaken with 10 No. more samples being tested within the 20x20m grid, all of the samples tested were clean and therefore reduced the area of remediation needed.

Based on the available information within this report it was proposed that the following remedial methodology should be undertaken:

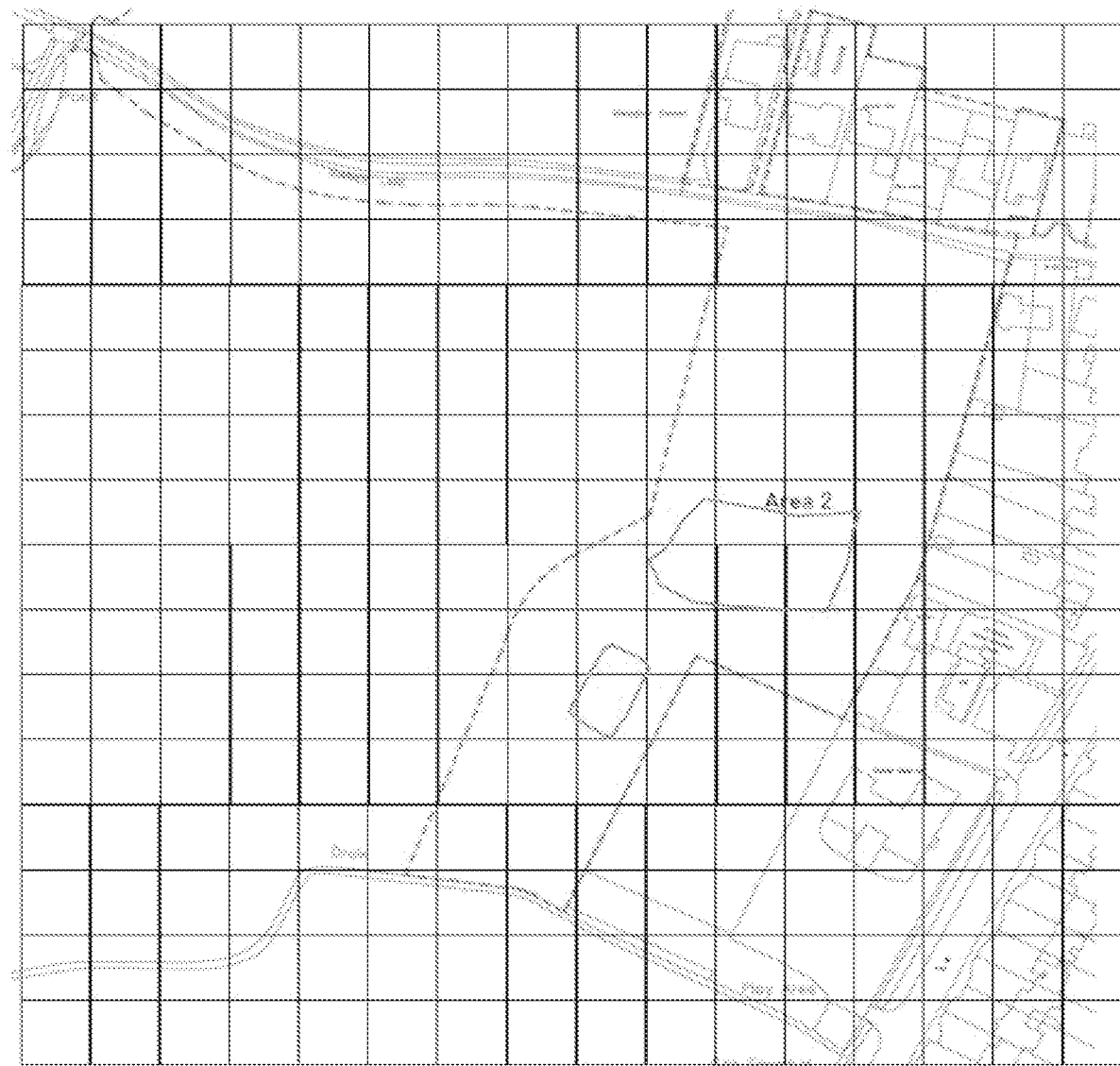
- Reduce dig of 600mm within a 5m radius of TP18 and a 6m radius of TP34.
- Validation of hotspot extent;
- The hotspot should then be filled with a clean material.
- Validation of the clean capping system by a suitably trained Ground and Water Limited engineer.

The remediation works should be validated through a site visit and photographed by a suitably trained Ground and Water Limited Engineer following the hotspot removal in order to collect samples from the base and the sides of the excavation, as well as after placement of the clean soils.

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

FIGURES	7
APPENDIX A: Conditions and Limitations.....	8
APPENDIX B: Scope of the Investigation	11
APPENDIX C: Technical Glossary.....	13
APPENDIX D: Trial Hole Logs	14
APPENDIX E: Chemical Laboratory Testing.....	15
APPENDIX F: Hazwaste Assessment	16
APPENDIX G: Quantification Calculations	17

FIGURES



Land to the north of Summer Lane, Pagham PO21 3FL

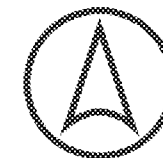
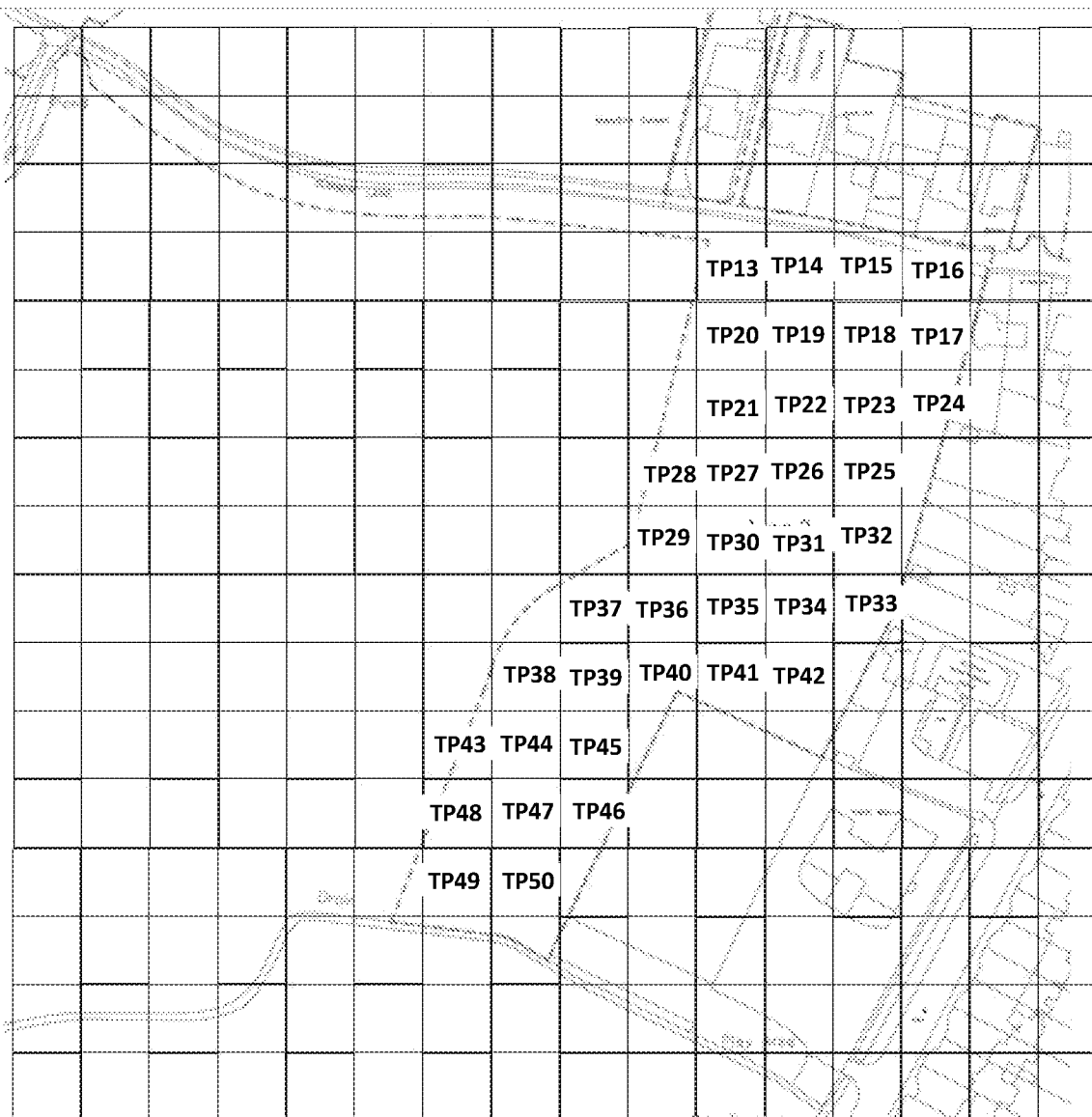
Countryside Partnerships Limited

July 2023

Figure 2 – Trial Hole 20x20m Grid

GWPR5459





Site boundary

TP01 Trial Pit Number
(located within 20x20
grid square)

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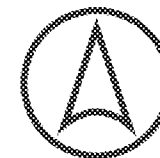
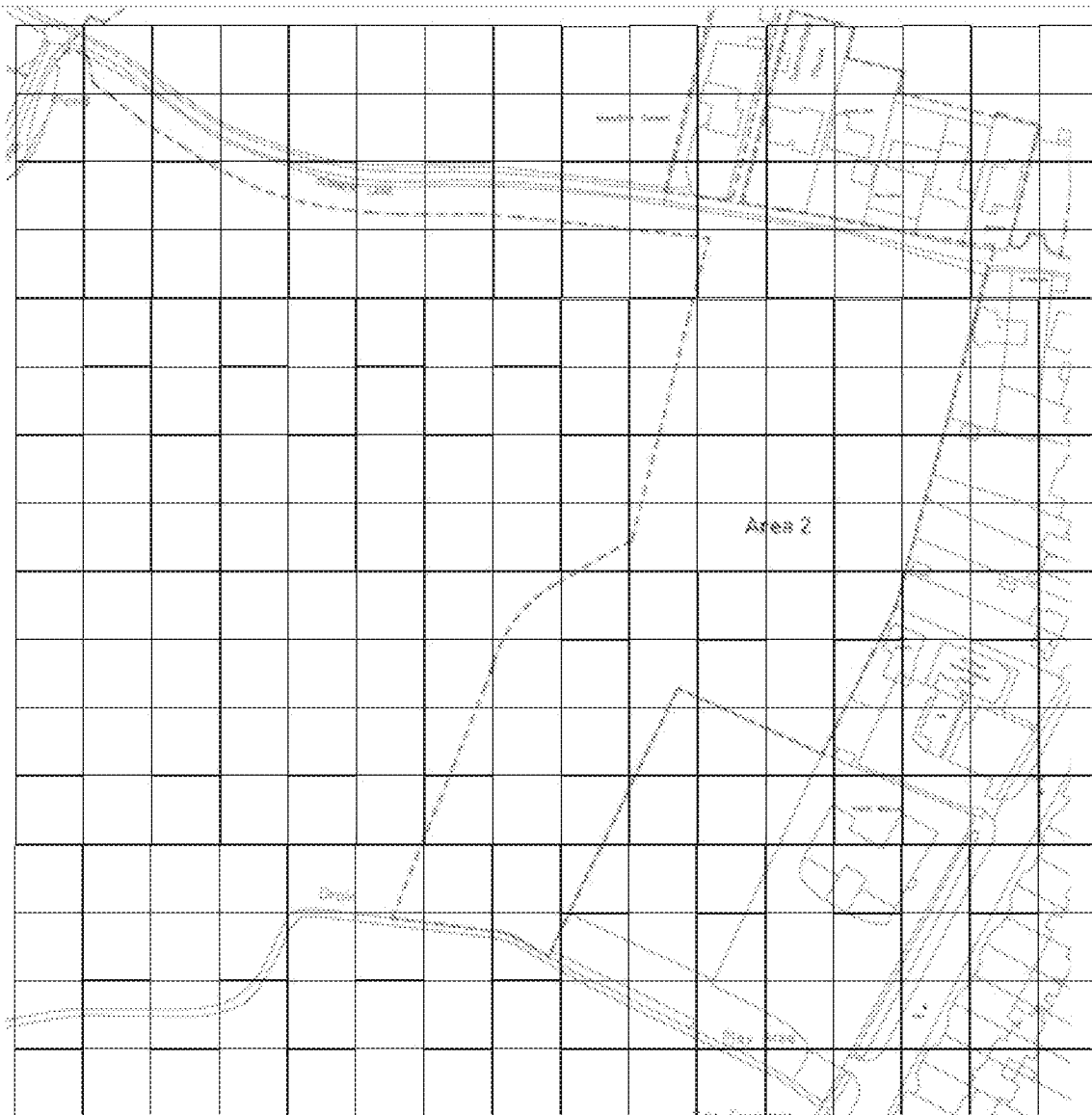
Countryside Partnerships Limited

August 2023

Figure 3 – Trial Hole Location Plan

GWPR5459





 Site boundary

Land to the north of Summer Lane, Pagham PO21 3FL

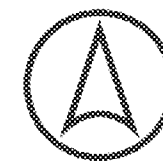
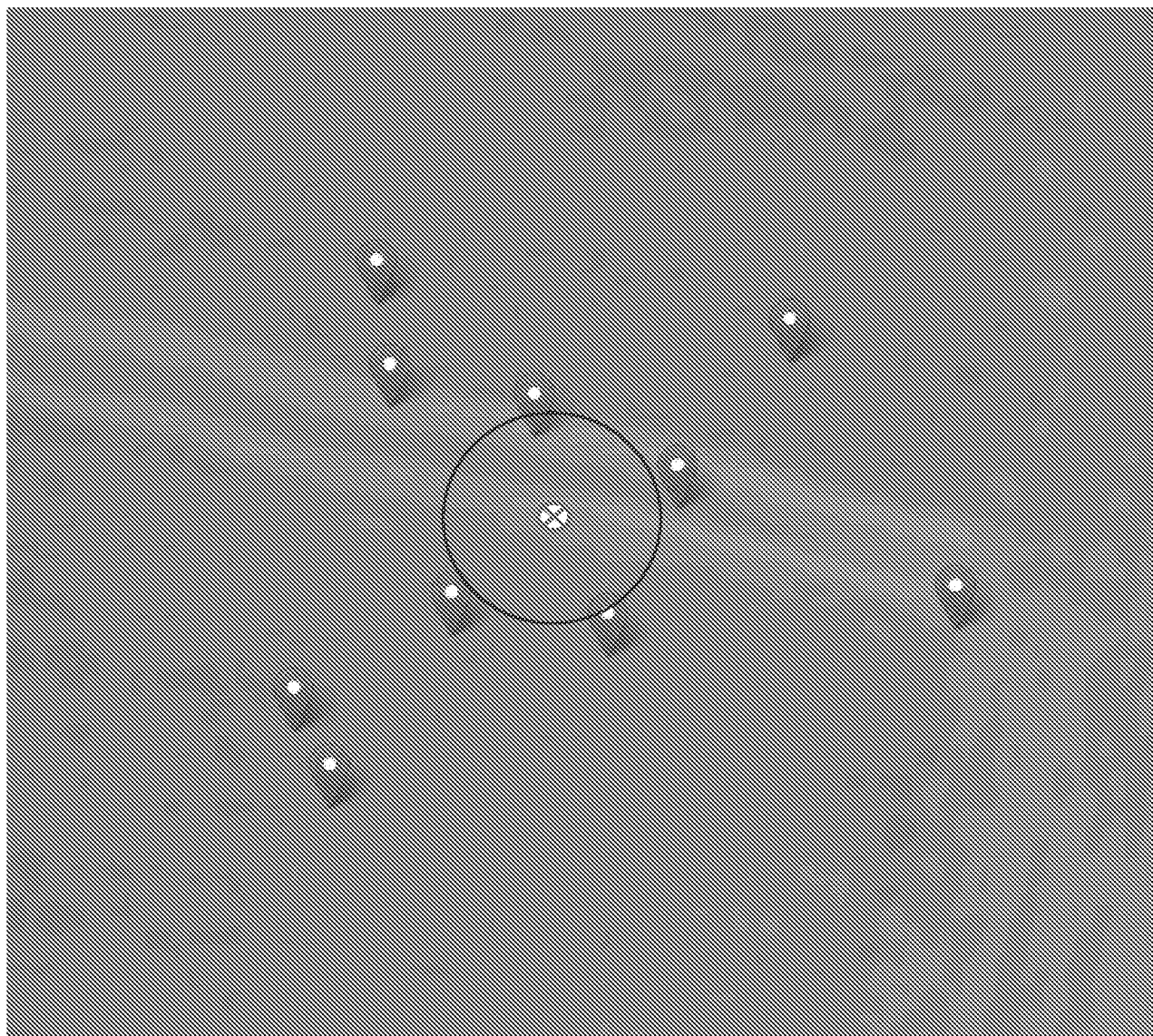
Countryside Partnerships Limited

August 2023

20x20 Grid

GWPR5459





20x20m square

Original TP18

New 'clean' testing areas

5.00m radius circle

Land to the north of Summer Lane, Pagham PO21 3FL

Countryside Partnerships Limited

November 2023

Figure 4 – TP18 further testing

GWPR5636



Grid Reference	X (Eastings)	Y (Northings)	Latitude	Longitude	Description (Click to Edit)
SZ 89014 98408	489014	098408	50.778426	-0.7388280	50.778426 , -0.7388280
SZ 89010 98408	489010	098408	50.778431	-0.7388922	50.778431 , -0.7388922
SZ 89006 98403	489006	098403	50.778386	-0.7389425	50.778386 , -0.7389425
SZ 89005 98405	489005	098405	50.778406	-0.7389574	50.778406 , -0.7389574
SZ 89008 98415	489008	098415	50.778491	-0.7389177	50.778491 , -0.7389177
SZ 89007 98418	489007	098418	50.778518	-0.7389227	50.778518 , -0.7389227
SZ 89012 98414	489012	098414	50.778483	-0.7388580	50.778483 , -0.7388580
SZ 89019 98416	489019	098416	50.778502	-0.7387527	50.778502 , -0.7387527
SZ 89016 98412	489016	098412	50.778464	-0.7387991	50.778464 , -0.7387991
SZ 89024 98409	489024	098409	50.778433	-0.7386641	50.778433 , -0.7386641
SZ 89012 98411	489012	098411	50.778461	-0.7388523	TP18

Land to the north of Summer Lane, Pagham PO21 3FL

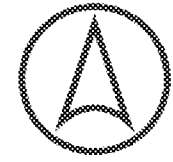
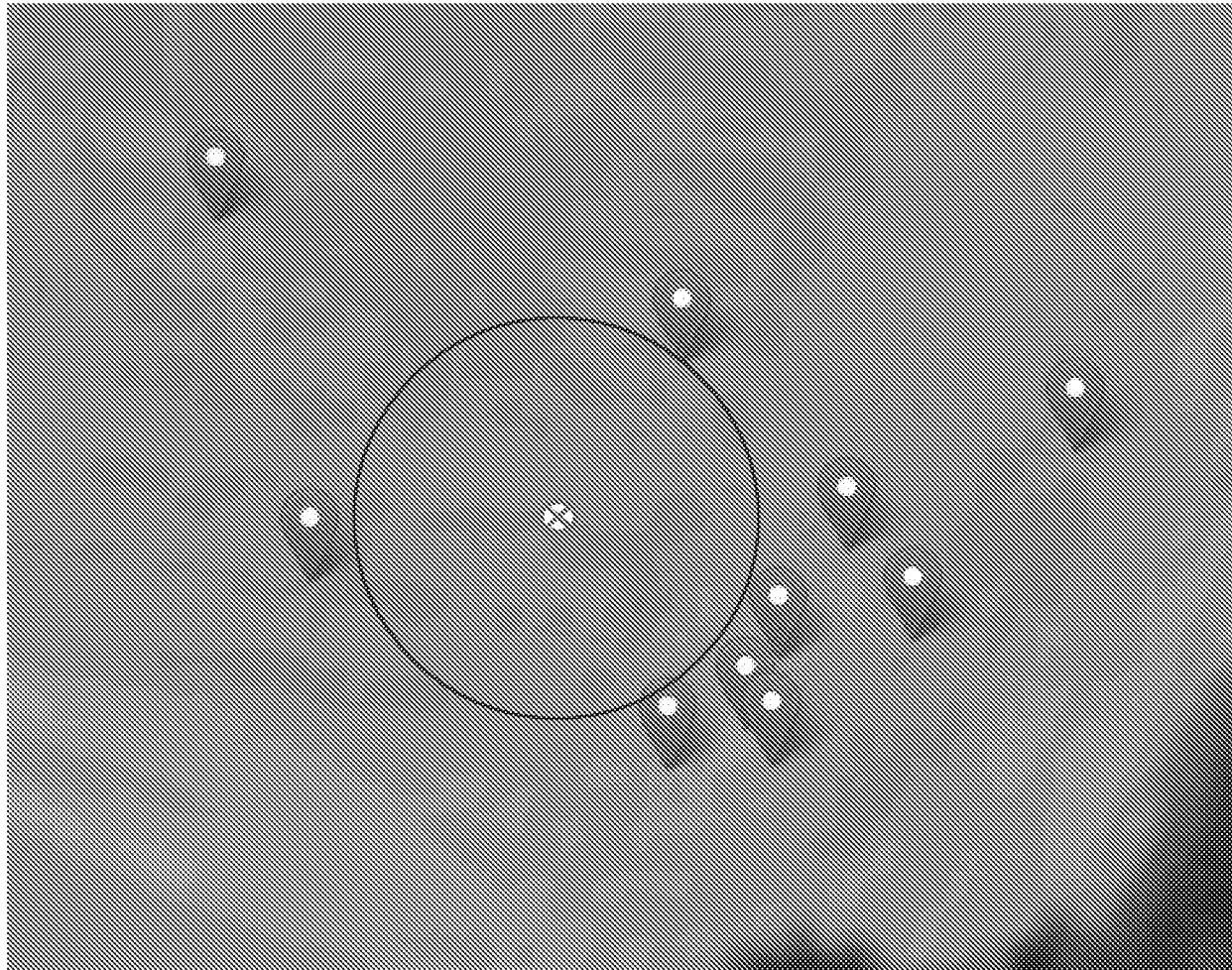
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Figure 4.1 – TP18 Grid Referances

GWPR5636





20x20m square

Original TP34

New 'clean' testing areas

6.00m radius circle

Land to the north of Summer Lane, Pagham PO21 3FL

Countryside Partnerships Limited

November 2023

Figure 5 – TP34 further testing

GWPR5636



Grid Reference	X (Eastings)	Y (Northings)	Latitude	Longitude	Description (Click to Edit)
SZ 88990 98316	488990	098316	50.7776064	-0.7391986	50.7776064 , -0.7391986
SZ 88997 98321	488997	098321	50.7776461	-0.7390924	50.7776461 , -0.7390924
SZ 88988 98323	488988	098323	50.7776714	-0.7392258	50.7776714 , -0.7392258
SZ 89005 98319	489005	098319	50.77763	-0.7389805	50.77763 , -0.7389805
SZ 89002 98315	489002	098315	50.7775961	-0.7390272	50.7775961 , -0.7390272
SZ 88998 98313	488998	098313	50.77758	-0.7390747	50.77758 , -0.7390747
SZ 88999 98313	488999	098313	50.7775736	-0.7390672	50.7775736 , -0.7390672
SZ 88997 98312	488997	098312	50.7775728	-0.7390966	50.7775728 , -0.7390966
SZ 88999 98315	488999	098315	50.7775925	-0.7390655	50.7775925 , -0.7390655
SZ 89000 98317	489000	098317	50.7776122	-0.7390458	50.7776122 , -0.7390458
SZ 88995 98318	488995	098318	50.777625	-0.7391252	TP34

Land to the north of Summer Lane, Pagham PO21 3FL

Countryside Partnerships Limited

November 2023

Figure 5.1 – TP34 Grid References

GWPR5636



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 Land to the north of Summer Lane, Pagham PO21 3FL.

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: Scope of the Investigation

The investigation was to be undertaken to provide parameters for the design of foundations by means of in-situ and laboratory geotechnical testing undertaken on soil samples recovered from trial holes.

A full scale Environmental Desk Study and Contamination Assessment including a gas risk assessment were not part of the remit of this report; however Included within the fee proposal was an allowance to undertake chemical laboratory testing on soil samples recovered from the site to enable recommendations for the safe redevelopment of the site and the protection of site workers, end-users and the public from any potential contamination identified.

The 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.

APPENDIX C: 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 D: Trial Hole Logs



Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	
					0.50			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		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					
		0.50	D		0.60			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	1
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
								End of Borehole at 1.000m	5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP3	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					
		0.80	D		0.60			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	1
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited		Date:							
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:									
Project No. : GWPR5459		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					
		1.00	D		1.00			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	1
								Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.								
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP5	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	
					0.50			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP6	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					
		0.50	D		0.60			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	1
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
								End of Borehole at 1.000m	5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP7	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	
					0.50			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP8	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					
		0.50	D		0.60			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	1
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
								End of Borehole at 1.000m	5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP9	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	
					0.50			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP10	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					
		1.00	D		1.00			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	1
								Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL

Client: Countryside Partnerships Limited

Date:

Location: Land to the north of Summer Lane, Pagham PO21 3FL

Contractor:

Project No. : GWPR5459

Crew Name:

Equipment:

Location Number TP11	Location Type TP	Level	Logged By	Scale 1:25	Page Number Sheet 1 of 1
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Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (90%) and brick (10%).	
					0.80			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	1
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks

Roots to 0.30m bgl.





Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited		Date:	
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:		Equipment:	
Location Number TP12	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	
					0.80				
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	1
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP13	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP14	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					
		0.80	D		0.80			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	1
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND). End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP15	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					
		1.00	D		0.80 1.00			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	
								Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND). End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited		Date:	
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:		Equipment:	
Location Number TP16	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP17	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	
					0.80			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	1
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP18	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP19	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					
		0.80	D		0.80			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND). End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP20	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP21	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP22	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP23	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP24	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					
		0.80	D		0.80			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND). End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP25	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					
		0.80	D		1.00			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	1
								End of Borehole at 1.000m	2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP26	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					
		1.00	D		1.00			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	1
								End of Borehole at 1.000m	2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL

Client: Countryside Partnerships Limited

Date:

Location: Land to the north of Summer Lane, Pagham PO21 3FL

Contractor:

Project No. : GWPR5459

Crew Name:

Equipment:

Location Number TP27	Location Type TP	Level	Logged By	Scale 1:25	Page Number Sheet 1 of 1
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Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	D		1.00			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	1
								End of Borehole at 1.000m	2
									3
									4
									5

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

Remarks

Roots to 0.30m bgl.





Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP28	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					
		0.80	D		0.80			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (75%), concrete (15%) and brick (10%).	
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	1
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP29	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	
					0.80				
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND). End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP30	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
Remarks Roots to 0.30m bgl.							



Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP31	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	
					0.80				
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	1
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP32	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP33	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					
		1.00	D		1.00			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
								End of Borehole at 1.000m	2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP34	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	
					0.80				
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	1
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP35	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP36	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					
		0.80	D		0.70			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP37	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP38	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP39	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	
					0.80				
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND). End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP40	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					
		0.80	D		0.80			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND). End of Borehole at 1.000m	1
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP41	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP42	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					
		1.00	D		1.00			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
								Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP43	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP44	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP45	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	
					0.80				
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	1
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP46	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP47	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					
		0.80	D		0.80			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					1.00			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND). End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP48	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: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
--------------------------------	--



Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP49	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					
		1.00	D		1.00			MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
								Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
								End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
--------------------------------	--



Trial Pit Log

Project Name: Land to the north of Summer Lane, Pagham PO21 3FL		Client: Countryside Partnerships Limited	Date:		
Location: Land to the north of Summer Lane, Pagham PO21 3FL		Contractor:			
Project No. : GWPR5459		Crew Name:	Equipment:		
Location Number TP50	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					
		0.50	D					MADE GROUND: Brown, light brown sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to sub-rounded of flint (70%), concrete (15%), brick (10%) and glass (5%).	1
					0.70			Dark grey slightly sandy gravelly CLAY. Sand is fine to medium, gravel is fine to coarse, angular to rounded of flint. (REWORKED GROUND).	
					1.00			End of Borehole at 1.000m	
									2
									3
									4
									5

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

Remarks Roots to 0.30m bgl.	
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APPENDIX E: Chemical Laboratory Testing



Units 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: Adam Young

CERTIFICATE OF ANALYSIS

Date of report Generation: 18 August 2023
Customer: Ground and Water Ltd
Sample Delivery Group (SDG): 230801-57
Your Reference: GWPR5459
Location: Land to the north of Summer Lane, Pagham F
Report No: 700676
Order Number: GWPR5459

This report has been revised and directly supersedes 700451 in its entirety.

We received 50 samples on Tuesday August 01, 2023 and 50 of these samples were scheduled for analysis which was completed on Friday August 18, 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



1291

ALS Laboratories (UK) Limited. ALS Life Sciences Limited registered Office: Torrington Avenue. Coventry CV4 9GU Registered in England and Wales No. 02391955.

Version: 3.6 Version Issued: 18/08/2023



CERTIFICATE OF ANALYSIS

Validated

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451
Location: Land to the north of Summer Lane, Pagham PO21 3FL

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref	AGS Ref.	Depth (m)	Sampled Date
28413615	TP1		0.00 - 0.00	31/07/2023
28413647	TP2		0.00 - 0.00	31/07/2023
28413679	TP3		0.00 - 0.00	31/07/2023
28413708	TP4		0.00 - 0.00	31/07/2023
28413737	TP5		0.00 - 0.00	31/07/2023
28413743	TP6		0.00 - 0.00	31/07/2023
28413746	TP7		0.00 - 0.00	31/07/2023
28413748	TP8		0.00 - 0.00	31/07/2023
28413750	TP9		0.00 - 0.00	31/07/2023
28413617	TP10		0.00 - 0.00	31/07/2023
28413619	TP11		0.00 - 0.00	31/07/2023
28413622	TP12		0.00 - 0.00	31/07/2023
28413624	TP13		0.00 - 0.00	31/07/2023
28413628	TP14		0.00 - 0.00	31/07/2023
28413631	TP15		0.00 - 0.00	31/07/2023
28413634	TP16		0.00 - 0.00	31/07/2023
28413636	TP17		0.00 - 0.00	31/07/2023
28413641	TP18		0.00 - 0.00	31/07/2023
28413644	TP19		0.00 - 0.00	31/07/2023
28413649	TP20		0.00 - 0.00	31/07/2023
28413652	TP21		0.00 - 0.00	31/07/2023
28413656	TP22		0.00 - 0.00	31/07/2023
28413658	TP23		0.00 - 0.00	31/07/2023
28413660	TP24		0.00 - 0.00	31/07/2023
28413662	TP25		0.00 - 0.00	31/07/2023
28413668	TP26		0.00 - 0.00	31/07/2023
28413671	TP27		0.00 - 0.00	31/07/2023
28413674	TP28		0.00 - 0.00	31/07/2023
28413676	TP29		0.00 - 0.00	31/07/2023
28413681	TP30		0.00 - 0.00	31/07/2023
28413684	TP31		0.00 - 0.00	31/07/2023
28413686	TP32		0.00 - 0.00	31/07/2023
28413689	TP33		0.00 - 0.00	31/07/2023
28413692	TP34		0.00 - 0.00	31/07/2023
28413695	TP35		0.00 - 0.00	31/07/2023
28413697	TP36		0.00 - 0.00	31/07/2023
28413699	TP37		0.00 - 0.00	31/07/2023
28413702	TP38		0.00 - 0.00	31/07/2023
28413705	TP39		0.00 - 0.00	31/07/2023
28413710	TP40		0.00 - 0.00	31/07/2023
28413712	TP41		0.00 - 0.00	31/07/2023
28413717	TP42		0.00 - 0.00	31/07/2023
28413719	TP43		0.00 - 0.00	31/07/2023
28413722	TP44		0.00 - 0.00	31/07/2023
28413724	TP45		0.00 - 0.00	31/07/2023
28413726	TP46		0.00 - 0.00	31/07/2023
28413728	TP47		0.00 - 0.00	31/07/2023
28413731	TP48		0.00 - 0.00	31/07/2023
28413733	TP49		0.00 - 0.00	31/07/2023
28413740	TP50		0.00 - 0.00	31/07/2023



CERTIFICATE OF ANALYSIS

Validated

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

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

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

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

Results Legend X Test ND No Determination Possible	Lab Sample No(s)		Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type
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							
ANC at pH4 and ANC at pH 6	All	NDPs: 0 Tests: 1					
Anions by Kone (soil)	All	NDPs: 0 Tests: 5					
Anions by Kone (w)	All	NDPs: 0 Tests: 1					
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 50					
Asbestos Quantification - Full	All	NDPs: 0 Tests: 4					
Boron Water Soluble	All	NDPs: 0 Tests: 5					
CEN Readings	All	NDPs: 0 Tests: 1					
Coronene	All	NDPs: 0 Tests: 1					
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 5					
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 1					
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 1					
EPH by GCxGC-FID	All	NDPs: 0 Tests: 1					
EPH CWG GC (S)	All	NDPs: 0 Tests: 2					
Fluoride	All	NDPs: 0 Tests: 1					
GRO by GC-FID (S)	All	NDPs: 0 Tests: 2					



CERTIFICATE OF ANALYSIS

Validated

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

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
28413649	TP20		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413644	TP19		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413641	TP18		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413636	TP17		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413634	TP16		0.00 - 0.00	1kg TUB with Handle (ALE210)	S
28413631	TP15		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413628	TP14		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413624	TP13		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413622	TP12		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413619	TP11		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413617	TP10		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413750	TP9		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413748	TP8		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413746	TP7		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413743	TP6		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413737	TP5		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413708	TP4		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413679	TP3		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413647	TP2		0.00 - 0.00	250g Amber Jar (ALE210)	S
28413615	TP1		0.00 - 0.00	250g Amber Jar (ALE210)	S
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 5			
Loss on Ignition in soils	All	NDPs: 0 Tests: 1			
Mercury Dissolved	All	NDPs: 0 Tests: 1			
Metals in solid samples by OES	All	NDPs: 0 Tests: 5			
PAH 16 & 17 Calc	All	NDPs: 0 Tests: 1			
PAH by GCMS	All	NDPs: 0 Tests: 5			
PCBs by GCMS	All	NDPs: 0 Tests: 1			
pH	All	NDPs: 0 Tests: 5			
pH Value of Filtered Water	All	NDPs: 0 Tests: 1			
Phenols by HPLC (S)	All	NDPs: 0 Tests: 5			
Phenols by HPLC (W)	All	NDPs: 0 Tests: 1			
Sample description	All	NDPs: 0 Tests: 5			
Total Organic Carbon	All	NDPs: 0 Tests: 5			
TPH CWG GC (S)	All	NDPs: 0 Tests: 2			
VOC MS (S)	All	NDPs: 0 Tests: 2			

[illegible]

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

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

Results Legend X Test N No Determination Possible <tr><th colspan="2">Lab Sample No(s)</th><th>Customer Sample Reference</th><th>AGS Reference</th><th>Depth (m)</th><th>Container</th><th>Sample Type</th></tr> <tr><td colspan="2"></td><td>28413695</td><td>TP35</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413697</td><td>TP36</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413699</td><td>TP37</td><td>0.00 - 0.00</td><td>250g Amber Jar (ALE210)</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413702</td><td>TP38</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413705</td><td>TP39</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td rowspan="10">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</td><td colspan="2"></td><td>28413710</td><td>TP40</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413712</td><td>TP41</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413717</td><td>TP42</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413719</td><td>TP43</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413722</td><td>TP44</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413724</td><td>TP45</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413726</td><td>TP46</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413728</td><td>TP47</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413731</td><td>TP48</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413733</td><td>TP49</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td colspan="2"></td><td>28413740</td><td>TP50</td><td>0.00 - 0.00</td><td>1kg TUB with Handle</td><td>S</td></tr> <tr><td>Anions by Kone (soil)</td><td>All</td><td>NDPs: 0 Tests: 5</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Asbestos ID in Solid Samples</td><td>All</td><td>NDPs: 0 Tests: 50</td><td>X</td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>Boron Water Soluble</td><td>All</td><td>NDPs: 0 Tests: 5</td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>Cyanide Comp/Free/Total/Thiocyanate</td><td>All</td><td>NDPs: 0 Tests: 5</td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>Hexavalent Chromium (s)</td><td>All</td><td>NDPs: 0 Tests: 5</td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>Metals in solid samples by OES</td><td>All</td><td>NDPs: 0 Tests: 5</td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>PAH by GCMS</td><td>All</td><td>NDPs: 0 Tests: 5</td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>pH</td><td>All</td><td>NDPs: 0 Tests: 5</td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>Phenols by HPLC (S)</td><td>All</td><td>NDPs: 0 Tests: 5</td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>Sample description</td><td>All</td><td>NDPs: 0 Tests: 5</td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>Total Organic Carbon</td><td>All</td><td>NDPs: 0 Tests: 5</td><td></td><td></td><td></td><td></td><td>X</td></tr>	Lab Sample No(s)		Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type			28413695	TP35	0.00 - 0.00	1kg TUB with Handle	S			28413697	TP36	0.00 - 0.00	1kg TUB with Handle	S			28413699	TP37	0.00 - 0.00	250g Amber Jar (ALE210)	S			28413702	TP38	0.00 - 0.00	1kg TUB with Handle	S			28413705	TP39	0.00 - 0.00	1kg TUB with Handle	S	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			28413710	TP40	0.00 - 0.00	1kg TUB with Handle	S			28413712	TP41	0.00 - 0.00	1kg TUB with Handle	S			28413717	TP42	0.00 - 0.00	1kg TUB with Handle	S			28413719	TP43	0.00 - 0.00	1kg TUB with Handle	S			28413722	TP44	0.00 - 0.00	1kg TUB with Handle	S			28413724	TP45	0.00 - 0.00	1kg TUB with Handle	S			28413726	TP46	0.00 - 0.00	1kg TUB with Handle	S			28413728	TP47	0.00 - 0.00	1kg TUB with Handle	S			28413731	TP48	0.00 - 0.00	1kg TUB with Handle	S			28413733	TP49	0.00 - 0.00	1kg TUB with Handle	S			28413740	TP50	0.00 - 0.00	1kg TUB with Handle	S	Anions by Kone (soil)	All	NDPs: 0 Tests: 5						Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 50	X	X	X		X	Boron Water Soluble	All	NDPs: 0 Tests: 5					X	Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 5					X	Hexavalent Chromium (s)	All	NDPs: 0 Tests: 5					X	Metals in solid samples by OES	All	NDPs: 0 Tests: 5					X	PAH by GCMS	All	NDPs: 0 Tests: 5					X	pH	All	NDPs: 0 Tests: 5					X	Phenols by HPLC (S)	All	NDPs: 0 Tests: 5					X	Sample description	All	NDPs: 0 Tests: 5					X	Total Organic Carbon	All	NDPs: 0 Tests: 5					X
	Lab Sample No(s)		Customer Sample Reference	AGS Reference	Depth (m)	Container	Sample Type																																																																																																																																																																																																									
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			28413697	TP36	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																									
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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			28413710	TP40	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																									
			28413712	TP41	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																									
			28413717	TP42	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																									
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			28413722	TP44	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																									
			28413724	TP45	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																									
			28413726	TP46	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																									
			28413728	TP47	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																									
			28413731	TP48	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																									
			28413733	TP49	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																									
		28413740	TP50	0.00 - 0.00	1kg TUB with Handle	S																																																																																																																																																																																																										
Anions by Kone (soil)	All	NDPs: 0 Tests: 5																																																																																																																																																																																																														
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 50	X	X	X		X																																																																																																																																																																																																									
Boron Water Soluble	All	NDPs: 0 Tests: 5					X																																																																																																																																																																																																									
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 5					X																																																																																																																																																																																																									
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 5					X																																																																																																																																																																																																									
Metals in solid samples by OES	All	NDPs: 0 Tests: 5					X																																																																																																																																																																																																									
PAH by GCMS	All	NDPs: 0 Tests: 5					X																																																																																																																																																																																																									
pH	All	NDPs: 0 Tests: 5					X																																																																																																																																																																																																									
Phenols by HPLC (S)	All	NDPs: 0 Tests: 5					X																																																																																																																																																																																																									
Sample description	All	NDPs: 0 Tests: 5					X																																																																																																																																																																																																									
Total Organic Carbon	All	NDPs: 0 Tests: 5					X																																																																																																																																																																																																									



CERTIFICATE OF ANALYSIS

Validated

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm
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Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
28413636	TP17	0.00 - 0.00	Light Brown	Silty Clay Loam	Stones	Vegetation
28413652	TP21	0.00 - 0.00	Dark Brown	Clay Loam	Vegetation	Stones
28413662	TP25	0.00 - 0.00	Light Brown	Silty Clay Loam	Stones	Vegetation
28413676	TP29	0.00 - 0.00	Dark Brown	Silty Clay Loam	Stones	Vegetation
28413699	TP37	0.00 - 0.00	Dark Brown	Sandy Loam	Stones	Vegetation

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.



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Location: Land to the north of Summer Lane, Pagham PO21 3FL

Results Summary		Customer Sample Ref.	TP17	TP18	TP19	TP20	TP21	TP25
#	ISO 17025 accredited.	Depth (m)	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
M	mCERTS accredited.	Sample Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
aq	Aqueous / settled sample.	Date Sampled	31/07/2023	31/07/2023	31/07/2023	31/07/2023	31/07/2023	31/07/2023
dis,filtr	Dissolved / filtered sample.	Sampled Time	00:00	00:00	00:00	00:00	00:00	00:00
tot,unfilt	Total / unfiltered sample.	Date Received	01/08/2023	01/08/2023	01/08/2023	01/08/2023	01/08/2023	01/08/2023
*	Subcontracted - refer to subcontractor report for accreditation status.	SDG Ref	230801-57	230801-57	230801-57	230801-57	230801-57	230801-57
**	% 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	Lab Sample No.(s)	28413636	28413641	28413644	28413649	28413652	28413662
(F)	Trigger breach confirmed	AGS Reference						
1.4.5.6	Sample deviation (see appendix)							
Component	LOD/Units	Method						
Moisture Content Ratio (% of as received sample)	%	PM024	13				6.3	8.1
Loss on ignition	<0.7 %	TM018						5.46 M
Phenol	<0.01 mg/kg	TM062 (S)	<0.01 M				<0.01 M	<0.01 M
Cresols	<0.01 mg/kg	TM062 (S)	<0.01 M				<0.01 M	<0.01 M
Xylenols	<0.015 mg/kg	TM062 (S)	<0.015 M				<0.015 M	<0.015 M
Phenols, Total Detected monohydric	<0.035 mg/kg	TM062 (S)	<0.035 M				<0.035 M	<0.035 M
Organic Carbon, Total	<0.2 %	TM132	1.14 M				1.27 M	0.742 M
Soil Organic Matter (SOM)	<0.35 %	TM132	1.97 #				2.19 #	1.28 #
pH	1 pH Units	TM133	8.24 M				7.71 M	8.26 M
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6 M				<0.6 M	<0.6 M
Cyanide, Total	<1 mg/kg	TM153	<1 M				<1 M	<1 M
PCB congener 28	<0.003 mg/kg	TM168						<0.003 M
PCB congener 52	<0.003 mg/kg	TM168						<0.003 M
PCB congener 101	<0.003 mg/kg	TM168						<0.003 M
PCB congener 118	<0.003 mg/kg	TM168						<0.003 M
PCB congener 138	<0.003 mg/kg	TM168						<0.003 M
PCB congener 153	<0.003 mg/kg	TM168						<0.003 M
PCB congener 180	<0.003 mg/kg	TM168						<0.003 M
Sum of detected PCB 7 Congeners	<0.021 mg/kg	TM168						<0.021
Arsenic	<0.6 mg/kg	TM181	9.55 M				8.95 M	8.74 M
Cadmium	<0.02 mg/kg	TM181	0.272 M				0.278 M	0.258 M
Chromium	<0.9 mg/kg	TM181	20.8 M				20.4 M	16.9 M
Copper	<1.4 mg/kg	TM181	14.2 M				13.3 M	14.6 M
Lead	<0.7 mg/kg	TM181	19.5 M				22.2 M	19.3 M
Mercury	<0.1 mg/kg	TM181	<0.1 M				<0.1 M	<0.1 M
Nickel	<0.2 mg/kg	TM181	16.9 M				16.1 M	13.6 M
Selenium	<1 mg/kg	TM181	<1 #				<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181	33.8 #				32.7 #	27.7 #
Zinc	<1.9 mg/kg	TM181	47.4 M				47.7 M	51.8 M
ANC @ pH 4	<0.03 mol/kg	TM182						0.0548
ANC @ pH 6	<0.03 mol/kg	TM182						<0.03
Boron, water soluble	<1 mg/kg	TM222	<1 M				<1 M	<1 M

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SDG: 230801-57
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Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

[illegible]

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SDG: 230801-57
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Location: Land to the north of Summer Lane, Pagham PO21 3FL

[illegible]

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

PAH by GCMS

[illegible]

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Client Ref.: GWPR5459

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TPH CWG (S)

[illegible]

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

VOC MS (S)

Customer Sample Ref.					TP21	TP25			
#	15017125 20230710								
M	mCERTS accredited.								
aq	Aqueous / settled sample.								
diss.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								
1.4.4.6	Sample deviation (see appendix)								
</									



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Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

Asbestos Identification - Solid Samples

ISO17025 accredited.
M mCERTS accredited.
* Subcontracted test.
(F) Trigger breach confirmed
1-58*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
07/08/2023	Renata Bozhkov	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
08/08/23	Eva Guerra	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
07/08/2023	Alex Horner	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
08/08/2023	Alex Horner	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
07/08/2023	Renata Bozhkov	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected
08/08/23	Eva Guerra	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
08/08/23	Eva Guerra	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
07/08/2023	Renata Bozhkov	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected



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SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

		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	TP9 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413750 TM048	08/08/23	Eva Guerra	-	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	TP10 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413617 TM048	07/08/2023	Alex Horner	-	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	TP11 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413619 TM048	08/08/2023	Alex Horner	-	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	TP12 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413622 TM048	07/08/2023	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	TP13 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413624 TM048	07/08/23	Eva Guerra	-	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	TP14 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413628 TM048	07/08/2023	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	TP15 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413631 TM048	07/08/2023	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	TP16 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413634 TM048	08/08/2023	Alex Horner	-	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	TP17 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413636 TM048	07/08/2023	Renata Bozhkov	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

		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	TP18 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413641 TM048	08/08/2023	Alex Horner	Loose fibres in soil	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	TP19 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413644 TM048	07/08/2023	Renata Bozhkov	Loose fibres in soil.	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP20 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413649 TM048	08/08/23	Eva Guerra	Loose fibres in soil (trace)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Received SDG Original Sample Method Number	TP21 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413652 TM048	07/08/2023	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	TP22 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413656 TM048	07/08/2023	Alex Horner	-	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	TP23 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413658 TM048	08/08/2023	Alex Horner	-	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	TP24 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413660 TM048	08/08/23	Eva Guerra	-	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	TP25 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413662 TM048	08/08/23	Eva Guerra	-	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	TP26 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413668 TM048	07/08/2023	Renata Bozhkov	N/A	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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Location: Land to the north of Summer Lane, Pagham PO21 3FL

		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	TP27 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413671 TM048	08/08/2023	Alex Horner	-	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	TP28 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413674 TM048	07/08/2023	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	TP29 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413676 TM048	07/08/23	Eva Guerra	-	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	TP30 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413681 TM048	08/08/2023	Alex Horner	-	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	TP31 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413684 TM048	08/08/2023	Alex Horner	-	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	TP32 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413686 TM048	08/08/23	Eva Guerra	-	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	TP33 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413689 TM048	07/08/2023	Alex Horner	-	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	TP34 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413692 TM048	08/08/23	Eva Guerra	ACM debris in soil	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	TP35 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413695 TM048	07/08/23	Eva Guerra	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



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SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

		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	TP36 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413697 TM048	07/08/2023	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	TP37 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413699 TM048	08/08/2023	Alex Horner	-	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	TP38 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413702 TM048	08/08/2023	Alex Horner	-	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	TP39 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413705 TM048	07/08/2023	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	TP40 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413710 TM048	07/08/2023	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	TP41 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413712 TM048	08/08/2023	Alex Horner	-	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	TP42 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413717 TM048	07/08/2023	Alex Horner	-	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	TP43 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413719 TM048	07/08/2023	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	TP44 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413722 TM048	08/08/2023	Alex Horner	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

		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	TP45 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413724 TM048	08/08/2023	Alex Horner	-	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	TP46 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413726 TM048	07/08/2023	Alex Horner	-	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	TP47 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413728 TM048	07/08/2023	Alex Horner	-	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	TP48 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413731 TM048	08/08/23	Eva Guerra	-	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	TP49 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413733 TM048	07/08/2023	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	TP50 0.00 - 0.00 SOLID 31/07/2023 00:00:00 01/08/2023 05:00:00 230801-57 28413740 TM048	08/08/2023	Alex Horner	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676
Location: Land to the north of Summer Lane, Pagham PO21 3FL

Superseded Report: 700451

Asbestos Quantification - Full

Environmental
ISO17025 accredited.
M mCERTS accredited.
* Subcontracted test.
(F) Trigger breach confirmed
1-58-5@ Sample deviation (see appendix)

Additional Asbestos Components	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM	Asbestos Quantification - Total - %
Cust. Sample Ref. TP18 Depth (m) 0.00 - 0.00 Sample Type SOLID Date Sampled 31/07/2023 00:00:00 Date Received 01/08/2023 05:00:00 SDG 230801-57 Original Sample 28413641 Method Number TM304	None (#)	N/A	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. TP19 Depth (m) 0.00 - 0.00 Sample Type SOLID Date Sampled 31/07/2023 00:00:00 Date Received 01/08/2023 05:00:00 SDG 230801-57 Original Sample 28413644 Method Number TM304	None (#)	-	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. TP20 Depth (m) 0.00 - 0.00 Sample Type SOLID Date Sampled 31/07/2023 00:00:00 Date Received 01/08/2023 05:00:00 SDG 230801-57 Original Sample 28413649 Method Number TM304	None (#)	N/A	<0.001 (#)	<0.001 (#)
Cust. Sample Ref. TP34 Depth (m) 0.00 - 0.00 Sample Type SOLID Date Sampled 31/07/2023 00:00:00 Date Received 01/08/2023 05:00:00 SDG 230801-57 Original Sample 28413692 Method Number TM304	None (#)	ACM debris in soil	0.0016 (#)	<0.001 (#)



CERTIFICATE OF ANALYSIS

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SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

CEN 10:1 SINGLE STAGE LEACHATE TEST

CEN ANALYTICAL RESULTS

REF : BS EN 12457/2

Client Reference		Site Location	Land to the north of Summer La
Mass Sample taken (kg)	0.102	Natural Moisture Content (%)	13.4
Mass of dry sample (kg)	0.090	Dry Matter Content (%)	88.2
Particle Size <4mm	>95%		

Case

SDG	230801-57
Lab Sample Number(s)	28413662
Sampled Date	31-Jul-2023
Customer Sample Ref.	TP25
Depth (m)	0.00 - 0.00

Landfill Waste Acceptance Criteria Limits

Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
3	5	6
-	-	10
8	-	-
1	-	-
500	-	-
100	-	-
-	>6	-
-	-	-
-	-	-

Solid Waste Analysis

Result

Total Organic Carbon (%)	0.742
Loss on Ignition (%)	5.46
Sum of BTEX (mg/kg)	<0.007
Sum of 7 PCBs (mg/kg)	<0.021
Mineral Oil (mg/kg) (EH_2D_AL)	9.58
PAH Sum of 17 (mg/kg)	<10
pH (pH Units)	8.26
ANC to pH 6 (mol/kg)	<0.03
ANC to pH 4 (mol/kg)	0.0548

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	<0.0005	<0.0005	<0.005	<0.005	0.5	2	25
Barium	0.00302	<0.0002	0.0302	<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	<0.0003	<0.0003	<0.003	<0.003	2	50	100
Mercury Dissolved (CVAf)	<0.00001	<0.00001	<0.0001	<0.0001	0.01	0.2	2
Molybdenum	<0.003	<0.003	<0.03	<0.03	0.5	10	30
Nickel	<0.0004	<0.0004	<0.004	<0.004	0.4	10	40
Lead	<0.0002	<0.0002	<0.002	<0.002	0.5	10	50
Antimony	<0.001	<0.001	<0.01	<0.01	0.06	0.7	5
Selenium	<0.001	<0.001	<0.01	<0.01	0.1	0.5	7
Zinc	0.00158	<0.001	0.0158	<0.01	4	50	200
Chloride	3.4	<2	34	<20	800	15000	25000
Fluoride	1.25	<0.5	12.5	<5	10	150	500
Sulphate (soluble)	48.3	<2	483	<20	1000	20000	50000
Total Dissolved Solids	171	<10	1710	<100	4000	60000	100000
Total Monohydric Phenols (W)	<0.016	<0.016	<0.16	<0.16	1	-	-
Dissolved Organic Carbon	6.32	<3	63.2	<30	500	800	1000

Leach Test Information

Date Prepared	02-Aug-2023
pH (pH Units)	8.48
Conductivity (µS/cm)	226
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

18/08/2023 15:21:22



CERTIFICATE OF ANALYSIS

Validated

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

Test Completion Dates

Lab Sample No(s)	28413615	28413647	28413679	28413708	28413737	28413743	28413746	28413748	28413750	28413617
Customer Sample Ref.	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TP8	TP9	TP10
AGS Ref.										
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	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)
Asbestos ID in Solid Samples	07-Aug-2023	08-Aug-2023	07-Aug-2023	08-Aug-2023	07-Aug-2023	08-Aug-2023	08-Aug-2023	07-Aug-2023	08-Aug-2023	07-Aug-2023

Lab Sample No(s)	28413619	28413622	28413624	28413628	28413631	28413634	28413636	28413641	28413644	28413649
Customer Sample Ref.	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20
AGS Ref.										
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	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)
Anions by Kone (soil)							04-Aug-2023			
Asbestos ID in Solid Samples	08-Aug-2023	07-Aug-2023	07-Aug-2023	07-Aug-2023	07-Aug-2023	08-Aug-2023	07-Aug-2023	08-Aug-2023	07-Aug-2023	08-Aug-2023
Asbestos Quantification - Full								18-Aug-2023	17-Aug-2023	18-Aug-2023
Boron Water Soluble							04-Aug-2023			
Cyanide Comp/Free/Total/Thiocyanate							08-Aug-2023			
Hexavalent Chromium (s)							05-Aug-2023			
Metals in solid samples by OES							04-Aug-2023			
PAH by GCMS							03-Aug-2023			
pH							03-Aug-2023			
Phenols by HPLC (S)							03-Aug-2023			
Sample description							02-Aug-2023			
Total Organic Carbon							04-Aug-2023			

Lab Sample No(s)	28413652	28413656	28413658	28413660	28413662	28413668	28413671	28413674	28413676	28413681
Customer Sample Ref.	TP21	TP22	TP23	TP24	TP25	TP26	TP27	TP28	TP29	TP30
AGS Ref.										
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	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					08-Aug-2023					
Anions by Kone (soil)	04-Aug-2023				04-Aug-2023				03-Aug-2023	
Anions by Kone (w)					04-Aug-2023					
Asbestos ID in Solid Samples	07-Aug-2023	07-Aug-2023	08-Aug-2023	08-Aug-2023	08-Aug-2023	07-Aug-2023	08-Aug-2023	07-Aug-2023	07-Aug-2023	08-Aug-2023
Boron Water Soluble	04-Aug-2023				04-Aug-2023				03-Aug-2023	
CEN 10:1 Leachate (1 Stage)					02-Aug-2023					
CEN Readings					07-Aug-2023					
Coronene					07-Aug-2023					
Cyanide Comp/Free/Total/Thiocyanate	08-Aug-2023				08-Aug-2023				07-Aug-2023	
Dissolved Metals by ICP-MS					07-Aug-2023					
Dissolved Organic/Inorganic Carbon					08-Aug-2023					
EPH by GCxGC-FID					04-Aug-2023					
EPH CWG GC (S)	04-Aug-2023				03-Aug-2023					
Fluoride					05-Aug-2023					
GRO by GC-FID (S)	03-Aug-2023				03-Aug-2023					
Hexavalent Chromium (s)	05-Aug-2023				05-Aug-2023				03-Aug-2023	
Loss on Ignition in soils					04-Aug-2023					
Mercury Dissolved					07-Aug-2023					
Metals in solid samples by OES	07-Aug-2023				07-Aug-2023				04-Aug-2023	
Moisture at 105C					02-Aug-2023					
PAH 16 & 17 Calc					07-Aug-2023					
PAH by GCMS	03-Aug-2023				07-Aug-2023				03-Aug-2023	
PCBs by GCMS					08-Aug-2023					
pH	03-Aug-2023				03-Aug-2023				03-Aug-2023	
pH Value of Filtered Water					07-Aug-2023					
Phenols by HPLC (S)	03-Aug-2023				03-Aug-2023				03-Aug-2023	
Phenols by HPLC (W)					04-Aug-2023					
Sample description	02-Aug-2023				02-Aug-2023				01-Aug-2023	
Total Organic Carbon	07-Aug-2023				04-Aug-2023				04-Aug-2023	
TPH CWG GC (S)	04-Aug-2023				03-Aug-2023					
VOC MS (S)	04-Aug-2023				03-Aug-2023					



CERTIFICATE OF ANALYSIS

Validated

SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

Lab Sample No(s)	28413684	28413686	28413689	28413692	28413695	28413697	28413699	28413702	28413705	28413710
Customer Sample Ref.	TP31	TP32	TP33	TP34	TP35	TP36	TP37	TP38	TP39	TP40
AGS Ref.										
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	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)
Anions by Kone (soil)							04-Aug-2023			
Asbestos ID in Solid Samples	08-Aug-2023	08-Aug-2023	07-Aug-2023	08-Aug-2023	07-Aug-2023	07-Aug-2023	08-Aug-2023	08-Aug-2023	07-Aug-2023	07-Aug-2023
Asbestos Quantification - Full				18-Aug-2023						
Boron Water Soluble							04-Aug-2023			
Cyanide Comp/Free/Total/Thiocyanate							07-Aug-2023			
Hexavalent Chromium (s)							05-Aug-2023			
Metals in solid samples by OES							07-Aug-2023			
PAH by GCMS							07-Aug-2023			
pH							03-Aug-2023			
Phenols by HPLC (S)							03-Aug-2023			
Sample description							01-Aug-2023			
Total Organic Carbon							07-Aug-2023			
Lab Sample No(s)	28413712	28413717	28413719	28413722	28413724	28413726	28413728	28413731	28413733	28413740
Customer Sample Ref.	TP41	TP42	TP43	TP44	TP45	TP46	TP47	TP48	TP49	TP50
AGS Ref.										
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	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)
Asbestos ID in Solid Samples	08-Aug-2023	07-Aug-2023	07-Aug-2023	08-Aug-2023	08-Aug-2023	07-Aug-2023	07-Aug-2023	08-Aug-2023	07-Aug-2023	08-Aug-2023

SDG: 230801-57
Client Ref.: GWPR5459

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Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

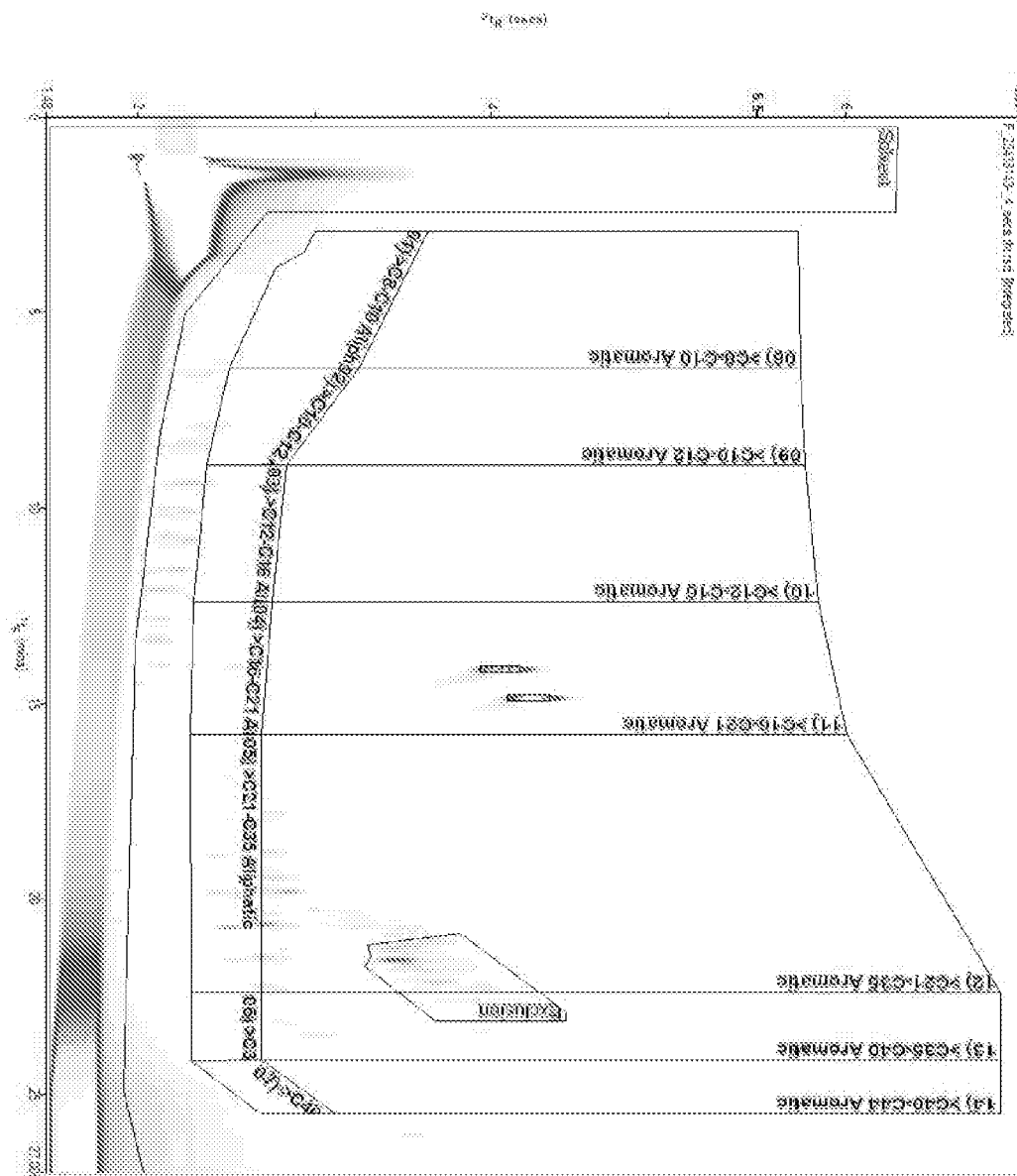
Chromatogram

Analysis: EPH CWG GC (S)

Sample No : 28418143
Sample ID : TP21

Depth : 0.00 - 0.00

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Chronospace LIMS export
Current batch
Sample Identity: F_28418143-_4_secs.cht
Date Acquired : 03/08/23 09:49:54
Units : ppm
Dilation : 0
CF :
Multiplier :
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SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

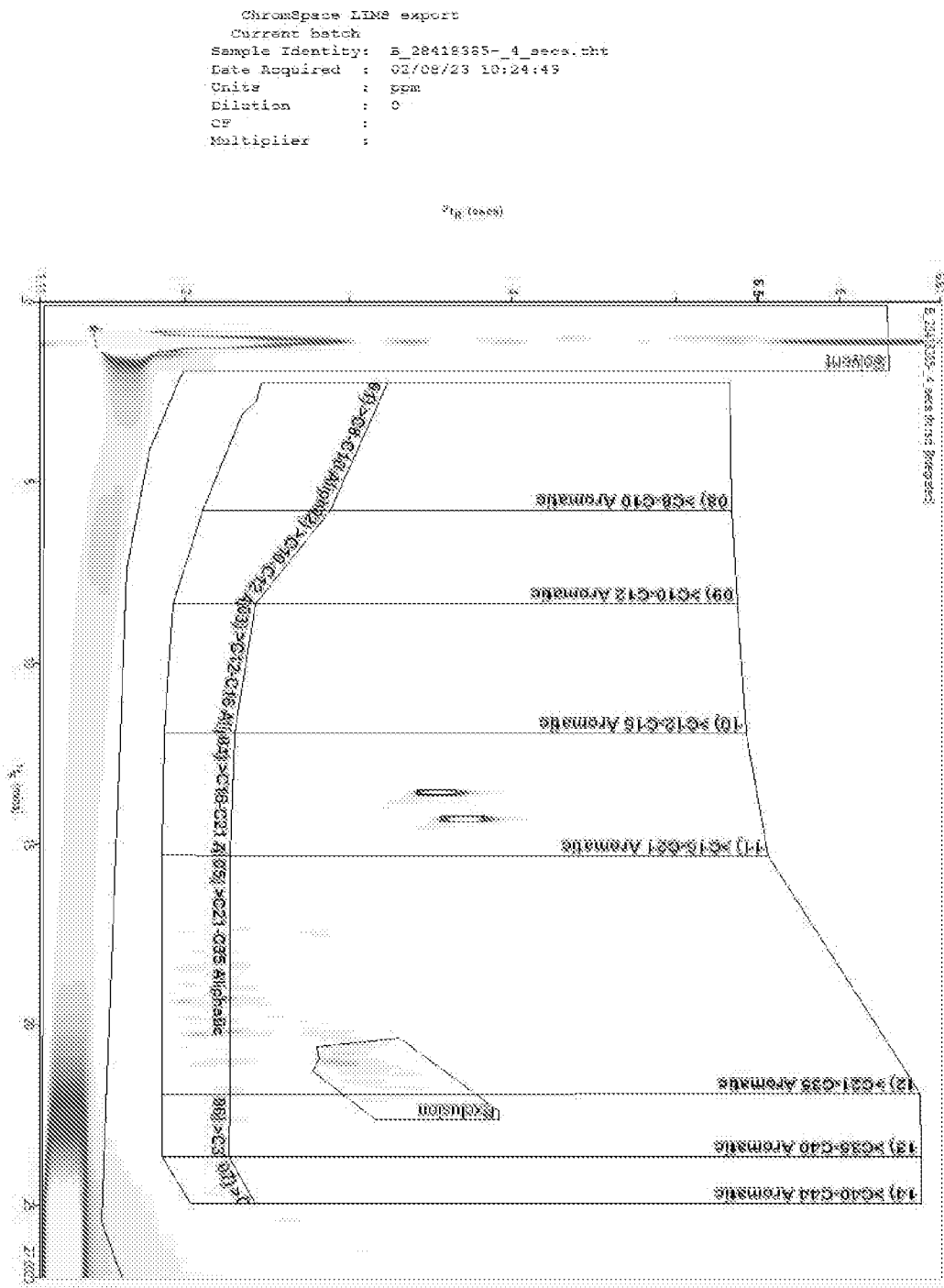
Superseded Report: 700451
Location: Land to the north of Summer Lane, Pagham PO21 3FL

Chromatogram

Analysis: EPH CWG GC (S)

Sample No : 28418385
Sample ID : TP25

Depth : 0.00 - 0.00



SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

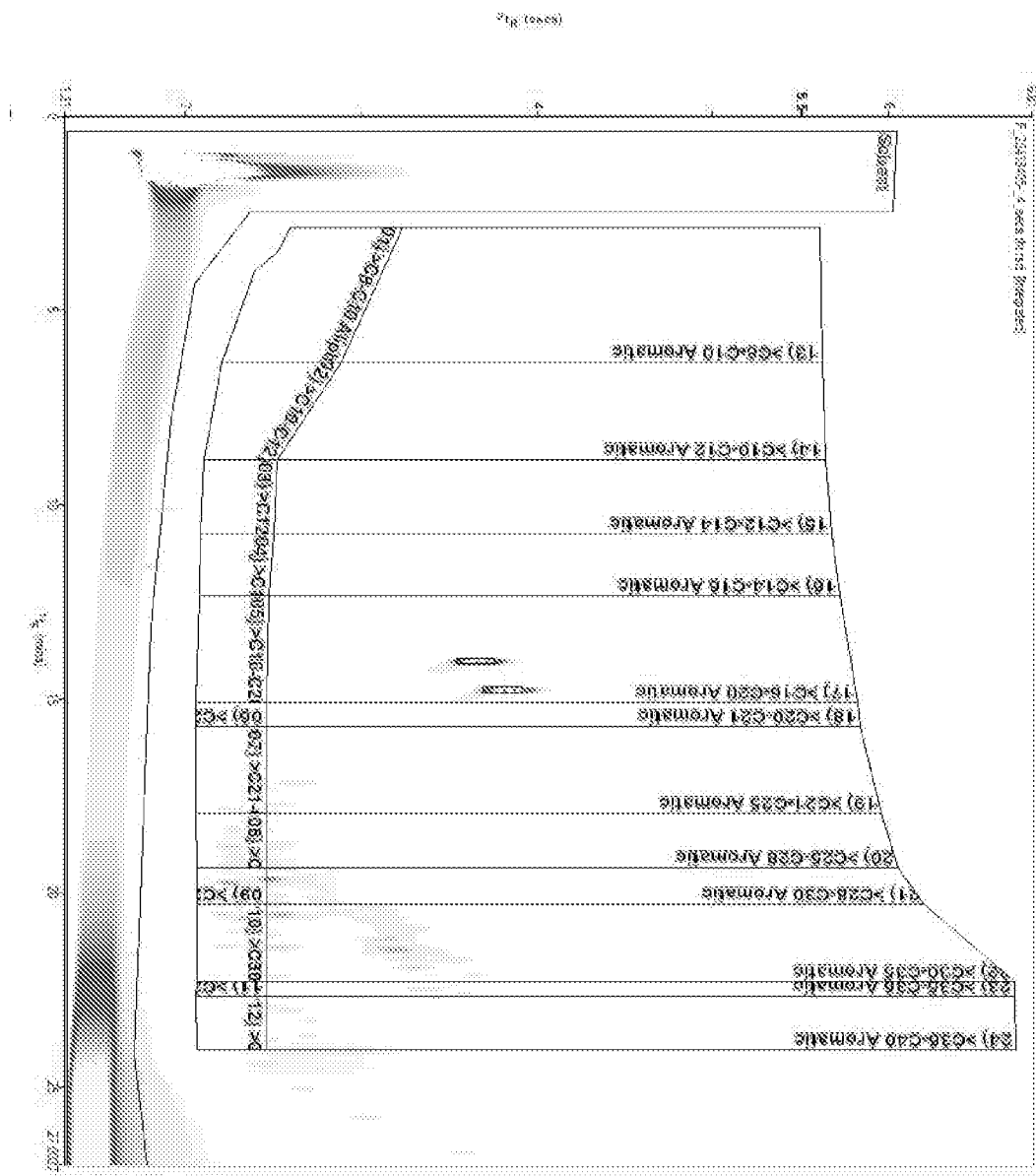
Chromatogram

Analysis: EPH by GCxGC-FID

Sample No : 28418405
Sample ID : TP25

Depth : 0.00 - 0.00

```
Chronospace LIMS export
Current batch
Sample Identity: F_28418405_4_secs.cht
Date Acquired  : 04/08/23 12:25:20
Units          : ppm
Dilution       : 0
CF             :
Multiplier     :
```





CERTIFICATE OF ANALYSIS

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SDG: 230801-57
Client Ref.: GWPR5459

Report Number: 700676

Location: Land to the north of Summer Lane, Pagham PO21 3FL

Superseded Report: 700451

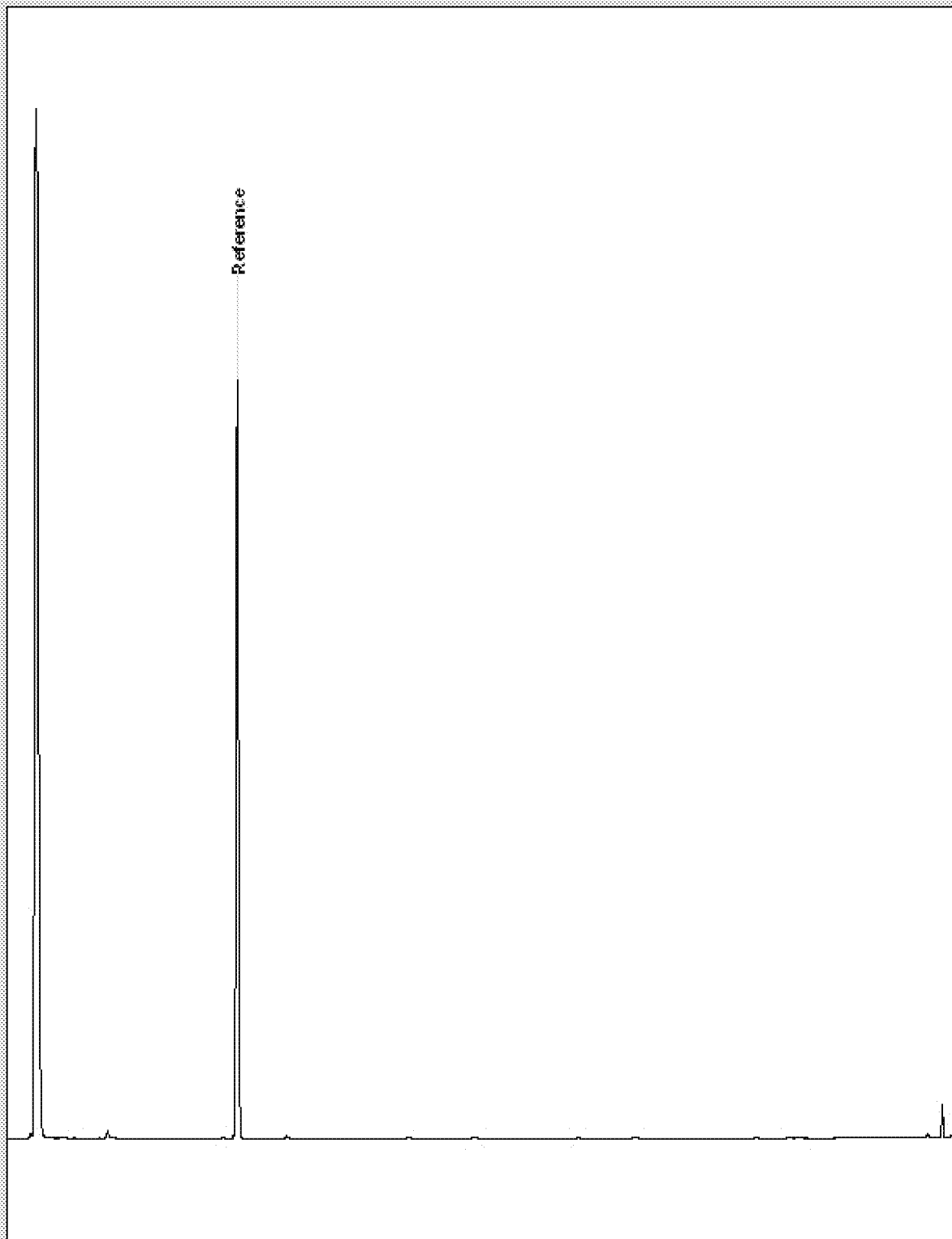
Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 28419552
Sample ID : TP21

Depth : 0.00 - 0.00

28419552_GRO_S.DATA - HP6850 Signal 1





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Client Ref.: GWPR5459

Report Number: 700676

Location: Land to the north of Summer Lane, Pagham PO21 3FL

Superseded Report: 700451

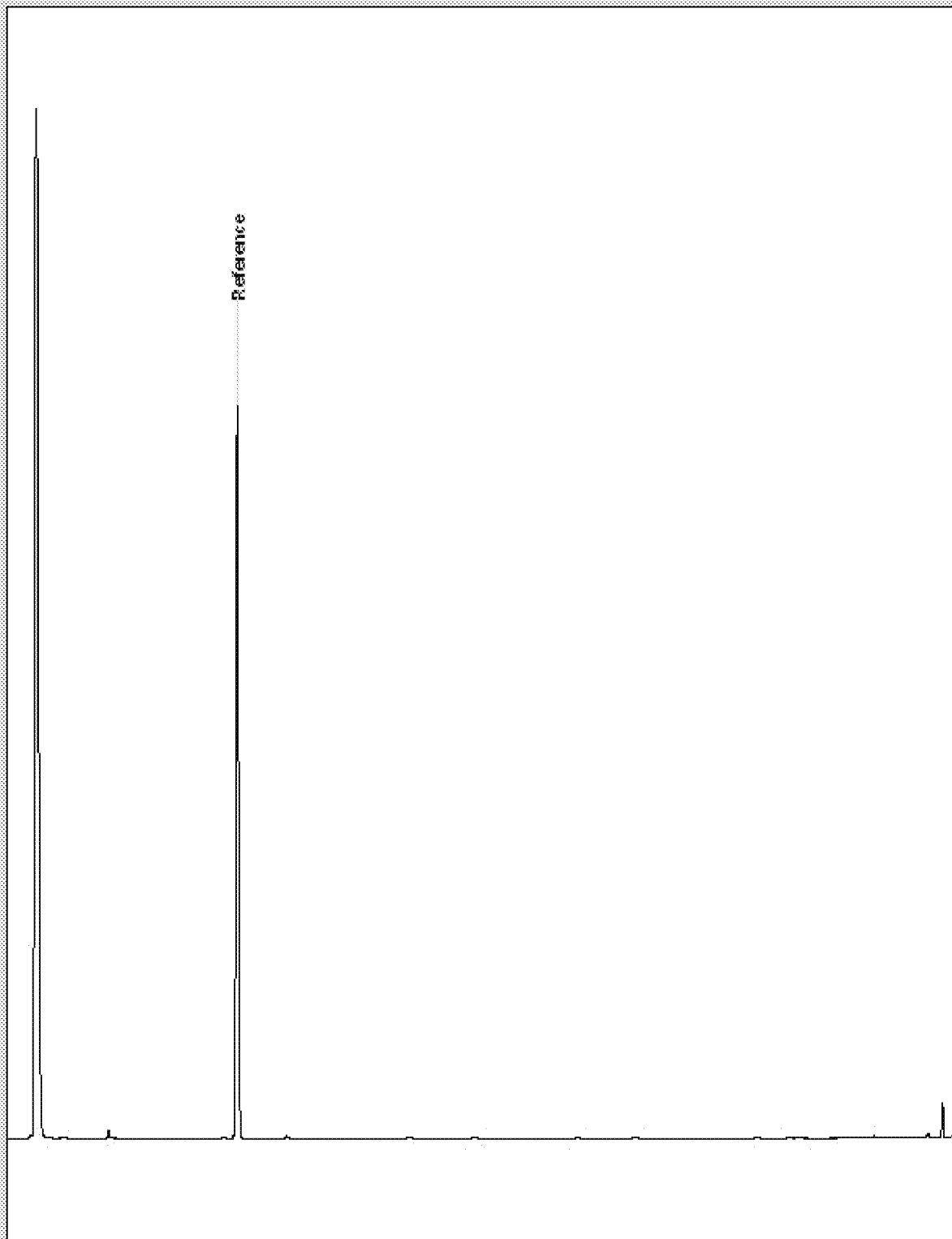
Chromatogram

Analysis: GRO by GC-FID (S)

Sample No : 28419605
Sample ID : TP25

Depth : 0.00 - 0.00

28419605_GRO_S.DATA - HP6850 Signal 1





CERTIFICATE OF ANALYSIS

SDG: 230801-57
Client Ref: GWPR5459

Report Number: 700676

Superseded Report: 700451

Location: Land to the north of Summer Lane, Pagham PO21 3FL

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 thereof 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
5	Sample holding time exceeded in laboratory
6	Sample holding time exceeded due to late arrival of instructions or samples
7	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 Anthophyllite	-
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.



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

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

Attention: Adam Young

CERTIFICATE OF ANALYSIS

Date of report Generation:	26 October 2023
Customer:	Ground and Water Ltd
Sample Delivery Group (SDG):	231021-48
Your Reference:	GWPR5636
Location:	Land at Summer Lane, Pagham PO21 4NG
Report No:	708897
Order Number:	GWPR5636

We received 20 samples on Saturday October 21, 2023 and 20 of these samples were scheduled for analysis which was completed on Thursday October 26, 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.

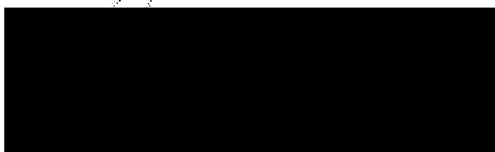
Chemical testing (unless subcontracted) performed at ALS Laboratories (UK) Limited Hawarden.

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



ALS Laboratories (UK) Limited. Registered Office: Torrington Avenue, Coventry CV4 9GU. Registered in England and Wales No. 02391955.

Version: 3.6 Version Issued: 26/10/2023



CERTIFICATE OF ANALYSIS

Validated

SDG: 231021-48
Client Ref.: CWPR5636

Report Number: 708897

Superseded Report:

Location: Land at Summer Lane, Pagham PO21 4NG

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
28821583	TP1801		0.00 - 0.00	20/10/2023
28821607	TP1802		0.00 - 0.00	20/10/2023
28821611	TP1803		0.00 - 0.00	20/10/2023
28821613	TP1804		0.00 - 0.00	20/10/2023
28821615	TP1805		0.00 - 0.00	20/10/2023
28821618	TP1806		0.00 - 0.00	20/10/2023
28821620	TP1807		0.00 - 0.00	20/10/2023
28821623	TP1808		0.00 - 0.00	20/10/2023
28821625	TP1809		0.00 - 0.00	20/10/2023
28821585	TP1810		0.00 - 0.00	20/10/2023
28821587	TP3401		0.00 - 0.00	20/10/2023
28821589	TP3402		0.00 - 0.00	20/10/2023
28821591	TP3403		0.00 - 0.00	20/10/2023
28821593	TP3404		0.00 - 0.00	20/10/2023
28821596	TP3405		0.00 - 0.00	20/10/2023
28821599	TP3406		0.00 - 0.00	20/10/2023
28821601	TP3407		0.00 - 0.00	20/10/2023
28821603	TP3408		0.00 - 0.00	20/10/2023
28821605	TP3409		0.00 - 0.00	20/10/2023
28821609	TP3410		0.00 - 0.00	20/10/2023

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



CERTIFICATE OF ANALYSIS

Validated

SDG: 231021-48
Client Ref.: CWPR5636

Report Number: 708897

Superseded Report:

Location: Land at Summer Lane, Pagham PO21 4NG

Results Legend



Test



No Determination Possible

Sample Types -

S - Soil/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

Asbestos ID in Solid Samples

All

NDPs: 0
Tests: 20

28821605	TP3409		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821603	TP3408		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821601	TP3407		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821599	TP3406		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821596	TP3405		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821593	TP3404		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821591	TP3403		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821589	TP3402		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821587	TP3401		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821585	TP1810		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821625	TP1809		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821623	TP1808		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821620	TP1807		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821618	TP1806		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821615	TP1805		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821613	TP1804		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821611	TP1803		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821607	TP1802		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X
28821583	TP1801		0.00 - 0.00	1kg TUB with Handle (ALE260)	S	X

28821609	TP3410		0.00 - 0.00	1kg TUB with Handle (ALE250)	S	X
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CERTIFICATE OF ANALYSIS

Validated

SDG: 231021-48
Client Ref.: CWPR5636

Report Number: 708897

Superseded Report:

Location: Land at Summer Lane, Pagham PO21 4NG

Asbestos Identification - Solid Samples

Result Legend	
#	ISO17025 accredited.
M	mCERTS 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	TP1801 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821583 TM048	26/10/2023	James Richards	-	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	TP1802 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821607 TM048	26/10/2023	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	TP1803 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821611 TM048	26/10/2023	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	TP1804 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821613 TM048	26/10/2023	Odhran McLernon	-	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	TP1805 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821615 TM048	25/10/2023	Alex Horner	-	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	TP1806 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821618 TM048	26/10/2023	Odhran McLernon	-	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	TP1807 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821620 TM048	26/10/2023	James Richards	-	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	TP1808 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821623 TM048	26/10/2023	Odhran McLernon	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG: 231021-48 Report Number: 708897 Superseded Report:
Client Ref: CWPR5636 Location: Land at Summer Lane, Pagham PO21 4NG

		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	TP1809 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821625 TM048	26/10/2023	Odhran McLernon	-	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	TP1810 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821585 TM048	25/10/2023	Alex Horner	-	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	TP3401 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821587 TM048	25/10/2023	Alex Horner	-	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	TP3402 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821589 TM048	25/10/2023	Alex Horner	-	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	TP3403 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821591 TM048	26/10/2023	Odhran McLernon	-	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	TP3404 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821593 TM048	25/10/2023	Alex Horner	-	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	TP3405 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821596 TM048	26/10/2023	Odhran McLernon	-	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	TP3406 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821599 TM048	25/10/2023	Alex Horner	-	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	TP3407 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821601 TM048	26/10/2023	Odhran McLernon	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

SDG: 231021-48

Report Number: 708897

Superseded Report:

Client Ref: GWPR5636

Location: Land at Summer Lane, Pagham PO21 4NG

		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	TP3408 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821603 TM048	26/10/2023	James Richards	-	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	TP3409 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821605 TM048	26/10/2023	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	TP3410 0.00 - 0.00 SOLID 20/10/2023 00:00:00 21/10/2023 05:00:00 231021-48 28821609 TM048	25/10/2023	Alex Horner	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected



CERTIFICATE OF ANALYSIS

Validated

SDG: 231021-48 Report Number: 708897 Superseded Report:
Client Ref.: CWPR5636 Location: Land at Summer Lane, Pagham PO21 4NG

Table of Results - Appendix

Method No	Description
TM048	Identification of Asbestos in Bulk Material

NA = not applicable.

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



CERTIFICATE OF ANALYSIS

Validated

SDG: 231021-48
Client Ref.: CWPR5636

Report Number: 708897

Superseded Report:

Location: Land at Summer Lane, Pagham PO21 4NG

Test Completion Dates

Lab Sample No(s)	28821583	28821607	28821611	28821613	28821615	28821618	28821620	28821623	28821625	28821585
Customer Sample Ref.	TP1801	TP1802	TP1803	TP1804	TP1805	TP1806	TP1807	TP1808	TP1809	TP1810
AGS Ref.										
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	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)
Asbestos ID in Solid Samples	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023

Lab Sample No(s)	28821587	28821589	28821591	28821593	28821596	28821599	28821601	28821603	28821605	28821609
Customer Sample Ref.	TP3401	TP3402	TP3403	TP3404	TP3405	TP3406	TP3407	TP3408	TP3409	TP3410
AGS Ref.										
Depth	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	0.00 - 0.00
Type	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)
Asbestos ID in Solid Samples	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023	26-Oct-2023



CERTIFICATE OF ANALYSIS

SDG: 231021-48
Client Ref: GWPR5636

Report Number: 708897
Location: Land at Summer Lane, Pagham PO21 4NG

Superseded Report:

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 15 days 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 thereof 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
5	Sample holding time exceeded in laboratory
6	Sample holding time exceeded due to late arrival of instructions or samples
7	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 Anthophyllite	-
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.

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)



8NZ9S-KQ3L9-CME5O

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

Job name

GWPR5459

Description/Comments

Project

GWPR5459

Site

Land to the north of Summer Lane, Pagham PO21 3FL

Classified by

Name: Adam Young
Date: 23 Aug 2023 15:21 GMT
Telephone:
Company: Ground and Water
2 The long Barn, Norton Farm, Selbourne
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

Land to the north of Summer Lane, Pagham

Post Code PO21 3FL

SIC for the process giving rise to the waste

Description of industry/producer giving rise to the waste

Remediation of POS

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

Waste created due to excavation of soils

Description of the waste

Made Ground

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	TP17-310723-0.00-0.00		Non Hazardous		3
2	TP18-310723-0.00-0.00		Non Hazardous		5
3	TP19-310723-0.00-0.00		Non Hazardous		6
4	TP20-310723-0.00-0.00		Non Hazardous		7
5	TP21-310723-0.00-0.00		Non Hazardous		8
6	TP25-310723-0.00-0.00		Non Hazardous		11
7	TP29-310723-0.00-0.00		Non Hazardous		14
8	TP34-310723-0.00-0.00		Non Hazardous		16
9	TP37-310723-0.00-0.00		Non Hazardous		17

Related documents

#	Name	Description
1	230801-57.hwol	ALS Hawarden .hwol file used to populate the Job

Report

Created by: Adam Young

Created date: 23 Aug 2023 15:21 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	19
Appendix B: Rationale for selection of metal species	20
Appendix C: Version	21

Classification of sample: TP17-310723-0.00-0.00

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

Sample details

Sample name:
TP17-310723-0.00-0.00
 Moisture content:
13%
 (wet weight correction)

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

Hazard properties

None identified

Determinands

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

#	Determinand			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	☉ acenaphthene	201-469-8	85-32-8		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %			<LOD
2	☉ acenaphthylene	208-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %			<LOD
3	☉ anthracene	204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %			<LOD
4	☉ arsenic { arsenic trioxide }	215-481-4	1327-53-3		9.55 mg/kg	1.32	10.97 mg/kg	0.0011 %		✓	
5	benzo[a]anthracene	200-280-6	56-55-3		0.0264 mg/kg		0.023 mg/kg	0.0000023 %		✓	
6	benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		0.0326 mg/kg		0.0284 mg/kg	0.00000284 %		✓	
7	benzo[b]fluoranthene	205-911-9	205-98-2		0.0316 mg/kg		0.0275 mg/kg	0.00000275 %		✓	
8	☉ benzo[ghi]perylene	208-883-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %			<LOD
9	benzo[k]fluoranthene	205-918-8	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %			<LOD
10	☉ boron { boron tribromide }	233-657-9	10294-33-4		<1 mg/kg	23.173	<23.173 mg/kg	<0.00232 %			<LOD
11	☉ cadmium { cadmium sulfide }	215-147-8	1306-23-6	1	0.272 mg/kg	1.285	0.304 mg/kg	0.0000237 %		✓	
12	☉ chromium in chromium(VI) compounds { chromium(VI) oxide }	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %			<LOD
13	chrysene	205-923-4	218-01-9		0.0278 mg/kg		0.0242 mg/kg	0.00000242 %		✓	
14	☉ copper { dicopper oxide; copper (I) oxide }	215-270-7	1317-39-1		14.2 mg/kg	1.126	13.909 mg/kg	0.00139 %		✓	
15	☉ 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
16	dibenz[a,h]anthracene	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %			<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	fluoranthene	205-912-4	206-44-0		0.0493 mg/kg		0.0429 mg/kg	0.00000429 %	✓	
18	fluorene	201-885-5	85-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
19	indeno[123-cd]pyrene	205-893-2	193-39-5		0.0232 mg/kg		0.0202 mg/kg	0.00000202 %	✓	
20	lead { lead chromate }	082-004-00-2	231-846-0	1	19.5 mg/kg	1.56	26.462 mg/kg	0.0017 %	✓	
21	mercury { mercury dichloride }	030-010-00-X	231-299-8		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
22	naphthalene	001-052-00-2	202-049-5		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	nickel { nickel dihydroxide }	028-006-00-X	238-996-5 [1] 234-348-1 [2]		16.9 mg/kg	1.579	23.223 mg/kg	0.00232 %	✓	
24	pH		pH		8.24 pH		8.24 pH	8.24 pH		
25	phenanthrene	201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
26	phenol	004-001-00-2	203-632-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
27	pyrene	204-927-0	129-00-0		0.0446 mg/kg		0.0388 mg/kg	0.00000388 %	✓	
28	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
29	vanadium { * divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-239-8		33.8 mg/kg	1.785	52.495 mg/kg	0.00525 %	✓	
30	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-8	231-793-3 [1] 231-793-3 [2]		47.4 mg/kg	4.398	181.362 mg/kg	0.0181 %	✓	
31	chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }	215-150-9	1308-38-6		20.8 mg/kg	1.462	26.448 mg/kg	0.00264 %	✓	
Total:								0.0354 %		

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	

Classification of sample: TP18-310723-0.00-0.00

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

Sample details

Sample name: **TP18-310723-0.00-0.00** LoW Code:
 Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
 Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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	asbestos					<0.001 %		<0.001 %	<0.001 %		<LOD
	650-015-00-8	-----	12001-28-4								
			132207-32-0								
			12172-73-5								
			77536-66-4								
			77536-68-6								
			77536-67-5								
			12001-29-5								
Total:								0.001 %			

Key

User supplied data
 Determinand values ignored for classification, see column 'Conc. Not Used' for reason
 <LOD Below limit of detection

Classification of sample: TP19-310723-0.00-0.00

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

Sample details

Sample name: TP19-310723-0.00-0.00
LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

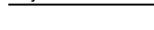
None identified

Determinands

Moisture content: 0% 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	asbestos									
	650-013-00-5		12001-28-4							
			132207-92-0							
			12172-73-5							
			77536-66-4							
			77538-68-6							
			77536-67-5							
			12001-29-5							
Total:								0.001 %		

Key

 User supplied data
 Determinand values ignored for classification, see column 'Conc. Not Used' for reason
<LOD Below limit of detection

Classification of sample: TP20-310723-0.00-0.00

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

Sample details

Sample name: **TP20-310723-0.00-0.00**
 LoW Code:
 Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
 Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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	asbestos					<0.001 %		<0.001 %	<0.001 %		<LOD
	650-015-00-8	-----	12001-28-4								
			132207-32-0								
			12172-73-5								
			77536-66-4								
			77536-68-6								
			77536-67-5								
			12001-29-5								
Total:								0.001 %			

Key

User supplied data
 Determinand values ignored for classification, see column 'Conc. Not Used' for reason
 <LOD Below limit of detection

Classification of sample: TP21-310723-0.00-0.00

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

Sample details

Sample name: **TP21-310723-0.00-0.00** LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: **6.3%** Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
(wet weight correction)

Hazard properties

None identified

Determinands

Moisture content: 6.3% 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	☉ acenaphthene	201-468-6	83-32-9		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
2	☉ acenaphthylene	205-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
3	☉ anthracene	204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
4	☹ arsenic { arsenic trioxide }	215-481-4	1327-53-5		8.95 mg/kg	1.32	11.072 mg/kg	0.00111 %	✓	
5	benzo[a]anthracene	200-250-6	56-55-3		0.0182 mg/kg		0.0171 mg/kg	0.00000171 %	✓	
6	benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		0.0224 mg/kg		0.021 mg/kg	0.0000021 %	✓	
7	benzo[b]fluoranthene	205-911-9	205-99-2		0.0252 mg/kg		0.0236 mg/kg	0.00000236 %	✓	
8	☉ benzo[ghi]perylene	205-953-8	191-24-2		<0.024 mg/kg		<0.024 mg/kg	<0.0000024 %		<LOD
9	benzo[k]fluoranthene	205-916-6	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
10	☹ boron { boron tribromide }	233-657-9	10264-33-4		<1 mg/kg	23.173	<23.173 mg/kg	<0.00232 %		<LOD
11	☹ cadmium { cadmium sulfide }	215-147-8	1306-23-6	1	0.278 mg/kg	1.285	0.335 mg/kg	0.000026 %	✓	
12	☹ chromium in chromium(VI) compounds { chromium(VI) oxide }	215-667-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
13	chrysene	205-923-4	218-01-9		0.0175 mg/kg		0.0164 mg/kg	0.00000164 %	✓	
14	☹ copper { dicopper oxide; copper (I) oxide }	215-270-7	1317-39-1		13.3 mg/kg	1.126	14.031 mg/kg	0.0014 %	✓	
15	☹ 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
16	dibenz[a,h]anthracene	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	fluoranthene	205-912-4	206-44-0		0.0378 mg/kg		0.0354 mg/kg	0.00000354 %	✓	
18	fluorene	201-665-5	66-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
19	indeno[123-cd]pyrene	205-993-2	193-39-5		<0.018 mg/kg		<0.018 mg/kg	<0.0000018 %		<LOD
20	lead { lead chromate }	201-846-0	7758-97-6	1	22.2 mg/kg	1.56	32.446 mg/kg	0.00208 %	✓	
21	mercury { mercury dichloride }	201-299-3	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
22	naphthalene	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	nickel { nickel dihydroxide }	205-008-5 [1] 204-348-1 [2]	12054-49-7 [1] 11113-74-9 [2]		16.1 mg/kg	1.579	23.828 mg/kg	0.00238 %	✓	
24	pH		pH		7.71 pH		7.71 pH	7.71 pH		
25	phenanthrene	201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
26	phenol	203-652-7	106-95-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
27	pyrene	204-927-9	129-00-0		0.0332 mg/kg		0.0311 mg/kg	0.00000311 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	204-002-0			<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { * divanadium pentaoxide; vanadium pentoxide }	215-239-3	1314-62-1		32.7 mg/kg	1.785	54.698 mg/kg	0.00547 %	✓	
30	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	201-793-3 [1] 201-793-3 [2]	7446-19-7 [1] 7793-02-0 [2]		47.7 mg/kg	4.398	196.565 mg/kg	0.0197 %	✓	
31	benzene	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
32	ethylbenzene	202-849-4	100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
33	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	216-853-1	1634-04-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
34	toluene	205-625-9	106-98-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
35	TPH (C6 to C40) petroleum group		TPH		<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
36	xylene	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-96-3 [3] 1330-20-7 [4]		<0.04 mg/kg		<0.04 mg/kg	<0.000004 %		<LOD
37	chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }	215-160-9	1308-38-9		20.4 mg/kg	1.462	27.937 mg/kg	0.00279 %	✓	
Total:								0.0387 %		

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

Classification of sample: TP25-310723-0.00-0.00

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

Sample details

Sample name: **TP25-310723-0.00-0.00** LoW Code:
 Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
 Moisture content: **8.1%** Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
 (wet weight correction)

Hazard properties

None identified

Determinands

Moisture content: 8.1% 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	☉ acenaphthene	201-469-8	85-32-8		<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
2	☉ acenaphthylene	208-917-1	208-96-8		<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
3	☉ anthracene	204-371-1	120-12-7		<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
4	☉ arsenic { arsenic trioxide }	215-481-4	1327-53-3		8.74	mg/kg	1.32	10.605	mg/kg	0.00106 %	✓	
5	benzo[a]anthracene	200-280-6	56-55-3		0.0528	mg/kg		0.0485	mg/kg	0.00000485 %	✓	
6	benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		0.0654	mg/kg		0.0601	mg/kg	0.00000601 %	✓	
7	benzo[b]fluoranthene	205-911-9	205-98-2		0.0682	mg/kg		0.0627	mg/kg	0.00000627 %	✓	
8	☉ benzo[ghi]perylene	208-883-8	191-24-2		0.053	mg/kg		0.0487	mg/kg	0.00000487 %	✓	
9	benzo[k]fluoranthene	205-918-8	207-08-9		0.0341	mg/kg		0.0313	mg/kg	0.00000313 %	✓	
10	☉ boron { boron tribromide }	233-657-9	10294-33-4		<1	mg/kg	23.173	<23.173	mg/kg	<0.00232 %		<LOD
11	☉ cadmium { cadmium sulfide }	215-147-8	1306-23-6	1	0.258	mg/kg	1.285	0.305	mg/kg	0.0000237 %	✓	
12	☉ chromium in chromium(VI) compounds { chromium(VI) oxide }	215-607-8	1333-82-0		<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
13	chrysene	205-923-4	218-01-9		0.0525	mg/kg		0.0482	mg/kg	0.00000482 %	✓	
14	☉ copper { dicopper oxide; copper (I) oxide }	215-270-7	1317-39-1		14.6	mg/kg	1.126	15.106	mg/kg	0.00151 %	✓	
15	☉ 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
16	dibenz[a,h]anthracene	200-181-8	53-70-3		<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	fluoranthene	205-912-4	206-44-0		0.0824 mg/kg		0.0757 mg/kg	0.00000757 %	✓	
18	fluorene	201-885-5	85-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
19	indeno[123-cd]pyrene	205-893-2	188-38-5		0.0364 mg/kg		0.0335 mg/kg	0.00000335 %	✓	
20	lead { lead chromate }	082-004-00-2	231-844-0	1	19.3 mg/kg	1.56	27.666 mg/kg	0.00177 %	✓	
21	mercury { mercury dichloride }	030-010-00-X	231-299-8		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
22	naphthalene	001-052-00-2	202-049-5		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	nickel { nickel dihydroxide }	028-008-00-X	238-996-5 [1] 234-348-1 [2]		13.6 mg/kg	1.579	19.741 mg/kg	0.00197 %	✓	
24	pH				8.26 pH		8.26 pH	8.26 pH		
25	phenanthrene	201-581-5	85-01-8		0.0223 mg/kg		0.0205 mg/kg	0.00000205 %	✓	
26	phenol	004-001-00-2	202-632-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
27	pyrene	204-927-0	129-00-0		0.083 mg/kg		0.0763 mg/kg	0.00000763 %	✓	
28	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
29	vanadium { * divanadium pentaoxide; vanadium pentoxide }	023-001-00-8	215-238-8		27.7 mg/kg	1.785	45.444 mg/kg	0.00454 %	✓	
30	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	030-006-00-8	231-793-3 [1] 231-793-3 [2]		51.8 mg/kg	4.398	209.36 mg/kg	0.0209 %	✓	
31	benzene	001-020-00-8	200-753-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
32	ethylbenzene	001-023-00-4	202-349-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
33	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	003-181-00-X	216-853-1		<0.0005 mg/kg		<0.0005 mg/kg	<0.00000005 %		<LOD
34	toluene	001-021-00-3	202-828-9		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
35	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
36	coronene	205-981-7	191-07-1		<0.2 mg/kg		<0.2 mg/kg	<0.00002 %		<LOD
37	polychlorobiphenyls; PCB	002-039-00-4	215-848-1		<0.021 mg/kg		<0.021 mg/kg	<0.0000021 %		<LOD
38	xylene	001-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-555-7 [4]		<0.004 mg/kg		<0.004 mg/kg	<0.0000004 %		<LOD
39	chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }	215-160-9	1308-38-9		16.9 mg/kg	1.462	22.7 mg/kg	0.00227 %	✓	
Total:								0.038 %		

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

Classification of sample: TP29-310723-0.00-0.00

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

Sample details

Sample name: **TP29-310723-0.00-0.00** LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 15% Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
(wet weight correction)

Hazard properties

None identified

Determinands

Moisture content: 15% 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	☉	acenaphthene				<0.008	mg/kg		<0.008	mg/kg	<0.0000008 %		<LOD
			201-468-6	83-32-9									
2	☉	acenaphthylene				<0.012	mg/kg		<0.012	mg/kg	<0.0000012 %		<LOD
			205-917-1	208-96-8									
3	☉	anthracene				<0.016	mg/kg		<0.016	mg/kg	<0.0000016 %		<LOD
			204-371-1	120-12-7									
4	☹	arsenic { arsenic trioxide }				10.8	mg/kg	1.32	12.121	mg/kg	0.00121 %	✓	
			003-003-00-0	215-481-4									
5		benzo[a]anthracene				0.0253	mg/kg		0.0215	mg/kg	0.00000215 %	✓	
			601-003-00-9	200-250-6									
6		benzo[a]pyrene; benzo[def]chrysene				0.0335	mg/kg		0.0285	mg/kg	0.00000285 %	✓	
			601-002-00-3	200-028-5									
7		benzo[b]fluoranthene				0.0373	mg/kg		0.0317	mg/kg	0.00000317 %	✓	
			601-004-00-4	205-911-9									
8	☉	benzo[ghi]perylene				<0.024	mg/kg		<0.024	mg/kg	<0.0000024 %		<LOD
			205-953-8	191-24-2									
9		benzo[k]fluoranthene				<0.014	mg/kg		<0.014	mg/kg	<0.0000014 %		<LOD
			601-006-00-5	205-916-6									
10	☹	boron { boron tribromide }				<1	mg/kg	23.173	<23.173	mg/kg	<0.00232 %		<LOD
			005-003-00-0	233-657-9									
11	☹	cadmium { cadmium sulfide }			1	0.316	mg/kg	1.285	0.345	mg/kg	0.0000269 %	✓	
			048-010-00-4	215-147-8									
12	☹	chromium in chromium(VI) compounds { chromium(VI) oxide }				<0.6	mg/kg	1.923	<1.154	mg/kg	<0.000115 %		<LOD
			004-001-00-0	215-667-8									
13		chrysene				0.025	mg/kg		0.0213	mg/kg	0.00000213 %	✓	
			601-046-00-0	205-923-4									
14	☹	copper { dicopper oxide; copper (I) oxide }				53.9	mg/kg	1.126	51.583	mg/kg	0.00516 %	✓	
			029-002-00-X	215-270-7									
15	☹	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										
16		dibenz[a,h]anthracene				<0.023	mg/kg		<0.023	mg/kg	<0.0000023 %		<LOD
			601-041-00-2	200-181-8									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	* fluoranthene	205-612-4	206-44-0		0.0429 mg/kg		0.0365 mg/kg	0.00000365 %	✓	
18	* fluorene	201-665-5	66-73-7		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
19	* indeno[123-cd]pyrene	205-893-2	193-39-5		0.0246 mg/kg		0.0209 mg/kg	0.00000209 %	✓	
20	* lead { lead chromate }	201-846-0	7758-97-6	1	24.3 mg/kg	1.56	32.218 mg/kg	0.00207 %	✓	
21	* mercury { mercury dichloride }	201-299-3	7487-94-7		<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD
22	* naphthalene	202-049-5	91-20-3		<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD
23	* nickel { nickel dihydroxide }	205-008-5 [1] 204-348-1 [2]	12054-49-7 [1] 11113-74-9 [2]		17.4 mg/kg	1.579	23.361 mg/kg	0.00234 %	✓	
24	* pH		pH		8.34 pH		8.34 pH	8.34 pH		
25	* phenanthrene	201-581-5	85-01-8		<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD
26	* phenol	203-652-7	105-85-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
27	* pyrene	204-927-9	129-00-0		0.0401 mg/kg		0.0341 mg/kg	0.00000341 %	✓	
28	* selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }	203-662-7	1314-62-1		<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	* vanadium { * divanadium pentaoxide; vanadium pentoxide }	215-239-3	1314-62-1		34.3 mg/kg	1.785	52.047 mg/kg	0.0052 %	✓	
30	* zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }	201-783-3 [1] 201-793-3 [2]	7446-19-7 [1] 7793-02-0 [2]		70.8 mg/kg	4.398	264.667 mg/kg	0.0265 %	✓	
31	* chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }	215-180-9	1303-38-9		20.5 mg/kg	1.462	25.468 mg/kg	0.00255 %	✓	
Total:								0.0478 %		

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

Classification of sample: TP34-310723-0.00-0.00

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

Sample details

Sample name: TP34-310723-0.00-0.00
LoW Code: Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 0% 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	asbestos									
	650-013-00-5		12001-28-4							
			132207-92-0							
			12172-73-5		0.002 %		0.002 %	0.002 %		
			77536-66-4							
			77538-68-6							
			77536-67-5							
			12001-29-5							
Total:								0.002 %		

Key

User supplied data

Classification of sample: TP37-310723-0.00-0.00

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

Sample details

Sample name: **TP37-310723-0.00-0.00** LoW Code:
Moisture content: **13%** Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
(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	acenaphthene	201-469-8	85-32-8		<0.008 mg/kg		<0.008 mg/kg	<0.0000008 %		<LOD
2	acenaphthylene	208-917-1	208-96-8		<0.012 mg/kg		<0.012 mg/kg	<0.0000012 %		<LOD
3	anthracene	204-371-1	120-12-7		<0.016 mg/kg		<0.016 mg/kg	<0.0000016 %		<LOD
4	arsenic { arsenic trioxide }	215-481-4	1327-53-3		14.4 mg/kg	1.32	16.541 mg/kg	0.00165 %	✓	
5	benzo[a]anthracene	200-280-6	56-55-3		0.0678 mg/kg		0.059 mg/kg	0.0000059 %	✓	
6	benzo[a]pyrene; benzo[def]chrysene	200-028-5	50-32-8		0.0822 mg/kg		0.0715 mg/kg	0.00000715 %	✓	
7	benzo[b]fluoranthene	205-911-9	205-98-2		0.0654 mg/kg		0.0569 mg/kg	0.00000569 %	✓	
8	benzo[ghi]perylene	208-883-8	191-24-2		0.0642 mg/kg		0.0559 mg/kg	0.00000559 %	✓	
9	benzo[k]fluoranthene	205-918-8	207-08-9		<0.014 mg/kg		<0.014 mg/kg	<0.0000014 %		<LOD
10	boron { boron tribromide }	233-657-9	10294-33-4		<1 mg/kg	23.173	<23.173 mg/kg	<0.00232 %		<LOD
11	cadmium { cadmium sulfide }	215-147-8	1306-23-6	1	1.48 mg/kg	1.285	1.655 mg/kg	0.000129 %	✓	
12	chromium in chromium(VI) compounds { chromium(VI) oxide }	215-607-8	1333-82-0		<0.6 mg/kg	1.923	<1.154 mg/kg	<0.000115 %		<LOD
13	chrysene	205-823-4	218-01-9		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
14	copper { dicopper oxide; copper (I) oxide }	215-270-7	1317-39-1		85.2 mg/kg	1.126	83.455 mg/kg	0.00835 %	✓	
15	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
16	dibenz[a,h]anthracene	200-181-8	53-70-3		<0.023 mg/kg		<0.023 mg/kg	<0.0000023 %		<LOD

#		Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number								
17	*	fluoranthene				0.136 mg/kg		0.118 mg/kg	0.0000118 %	✓		
18	*	fluorene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
19	*	indeno[123-cd]pyrene				0.0648 mg/kg		0.0564 mg/kg	0.00000564 %	✓		
20	☠	lead { lead chromate }			1	34.5 mg/kg	1.56	46.818 mg/kg	0.003 %	✓		
21	☠	mercury { mercury dichloride }				<0.1 mg/kg	1.353	<0.135 mg/kg	<0.0000135 %		<LOD	
22		naphthalene				<0.009 mg/kg		<0.009 mg/kg	<0.0000009 %		<LOD	
23	☠	nickel { nickel dihydroxide }				58 mg/kg	1.579	79.702 mg/kg	0.00797 %	✓		
24	*	pH				8.59 pH		8.59 pH	8.59 pH			
25	*	phenanthrene				<0.015 mg/kg		<0.015 mg/kg	<0.0000015 %		<LOD	
26		phenol				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD	
27	*	pyrene				0.125 mg/kg		0.109 mg/kg	0.0000109 %	✓		
28	☠	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	
29	☠	vanadium { * divanadium pentaoxide; vanadium pentoxide }				27.2 mg/kg	1.785	42.245 mg/kg	0.00422 %	✓		
30	☠	zinc { zinc sulphate (hydrous) (mono-, hexa- and hepta hydrate); [1] zinc sulphate (anhydrous) [2] }				586 mg/kg	4.398	2242.151 mg/kg	0.224 %	✓		
31	☠	chromium in chromium(III) compounds { * chromium(III) oxide (worst case) }				20.7 mg/kg	1.462	26.321 mg/kg	0.00263 %	✓		
Total:									0.255 %			

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	

Appendix A: Classifier defined and non GB MCL determinands

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Aquatic Chronic 2; H411

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H302, Acute Tox. 1; H330, Acute Tox. 1; H310, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

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

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

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

Data source date: 23 Jul 2015

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

* **salts of hydrogen cyanide with the exception of complex cyanides such as ferrocyanides, ferricyanides and mercuric oxycyanide and those specified elsewhere in this Annex**

GB MCL index number: 006-007-00-5

Description/Comments: Conversion factor based on a worst case compound: sodium cyanide

Additional Hazard Statement(s): EUH032 >= 0.2 %

Reason for additional Hazards Statement(s):

20 Nov 2021 - EUH032 >= 0.2 % hazard statement sourced from: WM3, Table C12.2

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 21 Aug 2015

Hazard Statements: Acute Tox. 4; H302, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

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

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Carc. 2; H351

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

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

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

Description/Comments: Data from C&L Inventory Database

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

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Carc. 2; H351, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Skin Irrit. 2; H315

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

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014

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

Data source date: 21 Aug 2015

Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

✱ **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.

✱ **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

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

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

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

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

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

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

✱ **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

✱ **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

Appendix B: Rationale for selection of metal species

arsenic {arsenic trioxide}

Most likely worst-case

boron {boron tribromide}

worst-case

cadmium {cadmium sulfide}

Most likely worst-case

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

Most likely worst-case

copper {dicopper oxide; copper (I) 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

lead {lead chromate}

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]}

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: 2023.233.5726.10550 (21 Aug 2023)

HazWasteOnline Database: 2023.233.5726.10550 (21 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

APPENDIX G: Quantification Calculations

Asbestos Risk Assessment (CIRIA733)



Site information	Trial Hole Depth (m bgl)		TP18 0.5	
Asbestos Type	Abestos type	Chrysotile	Amosite	Crocidolite
Considerations	Kasbestos Soil Concentration (Quantification Result in %)	1.3	1.7 0.001	2.0
Soil Type	Soil Type	Sand Sandy Clay Clay	Sand Sandy Clay Clay	Sand Sandy Clay Clay
Considerations	Ksoil Enter the relevant from the above	2.9 1.7 0.93 2.9	2.9 1.7 0.93 1.7	2.9 1.7 0.93
Constants	Koverall Dust Concentration (mg/m3) Dry Conditions Exposure (hrs) Occupation hours in a year	1.6 0.1 750 1920	1.6 0.1 750 1920	1.6 0.1 750 1920
Calculation Results	fibre/ml per mg/m3 fibre/ml fibre/ml.hr fibre/ml.year		0.0018 0.00018 0.135 0.000071	
Mesothelioma	Age (exposure commences)	0	0	0
Accumulated Risk	Risk persists for (Years) Cumulative Age Adjustment Factor fibre/ml.year (cumulative)	60 16.8	60 16.8 0.00119	60 16.8
Lung Cancer	Risk persists for (Years)	60	60	60
Accumulated Risk	fibre/ml.year (cumulative)		0.00085	

BACKGROUND

Asbestos Risk Assessment (CIRIA733)



Site information	Trial Hole Depth (m bgl)	TP19 0.8		
Asbestos Type	Abestos type	Chrysotile	Amosite	Crocidolite
Considerations	Kasbestos Soil Concentration (Quantification Result in %)	1.3 0.001	1.7	2.0
Soil Type	Soil Type	Sand Sandy Clay Clay	Sand Sandy Clay Clay	Sand Sandy Clay Clay
Considerations	Ksoil Enter the relevant from the above	2.9 1.7 0.93 1.7	2.9 1.7 0.93 1.7	2.9 1.7 0.93
Constants	Koverall Dust Concentration (mg/m3) Dry Conditions Exposure (hrs) Occupation hours in a year	1.6 0.1 750 1920	1.6 0.1 750 1920	1.6 0.1 750 1920
Calculation Results	fibre/ml per mg/m3 fibre/ml fibre/ml.hr fibre/ml.year	0.00138 0.000138 0.104 0.000054		
Mesothelioma	Age (exposure commences)	0	0	0
Accumulated Risk	Risk persists for (Years) Cumulative Age Adjustment Factor fibre/ml.year (cumulative)	60 16.8 0.00091	60 16.8	60 16.8
Lung Cancer	Risk persists for (Years)	60	60	60
Accumulated Risk	fibre/ml.year (cumulative)	0.00065		

BACKGROUND

Asbestos Risk Assessment (CIRIA733)



Site information	Trial Hole Depth (m bgl)	TP20 0.2		
Asbestos Type Considerations	Abestos type Kasbestos Soil Concentration (Quantification Result in %)	Chrysotile 1.3 0.001	Amosite 1.7	Crocidolite 2.0
Soil Type Considerations	Soil Type Ksoil Enter the relevant from the above	Sand Sandy Clay Clay 2.9 1.7 0.93 1.7	Sand Sandy Clay Clay 2.9 1.7 0.93 1.7	Sand Sandy Clay Clay 2.9 1.7 0.93 1.7
Constants	Koverall Dust Concentration (mg/m3) Dry Conditions Exposure (hrs) Occupation hours in a year	1.6 0.1 750 1920	1.6 0.1 750 1920	1.6 0.1 750 1920
Calculation Results	fibre/ml per mg/m3 fibre/ml fibre/ml.hr fibre/ml.year	0.00138 0.000138 0.104 0.000054		
Mesothelioma Accumulated Risk	Age (exposure commences) Risk persists for (Years) Cumulative Age Adjustment Factor fibre/ml.year (cumulative)	0 60 16.8 0.00091	0 60 16.8	0 60 16.8
Lung Cancer Accumulated Risk	Risk persists for (Years) fibre/ml.year (cumulative)	60 0.00065	60	60

BACKGROUND

Asbestos Risk Assessment (CIRIA733)



Site information	Trial Hole Depth (m bgl)		TP34 0.5	
Asbestos Type	Abestos type	Chrysotile	Amosite	Crocidolite
Considerations	Kasbestos Soil Concentration (Quantification Result in %)	1.3	1.7 0.002	2.0
Soil Type	Soil Type	Sand Sandy Clay Clay	Sand Sandy Clay Clay	Sand Sandy Clay Clay
Considerations	Ksoil Enter the relevant from the above	2.9 1.7 0.93 2.9	2.9 1.7 0.93 1.7	2.9 1.7 0.93
Constants	Koverall Dust Concentration (mg/m3) Dry Conditions Exposure (hrs) Occupation hours in a year	1.6 0.1 750 1920	1.6 0.1 750 1920	1.6 0.1 750 1920
Calculation Results	fibre/ml per mg/m3 fibre/ml fibre/ml.hr fibre/ml.year		0.0036 0.00036 0.271 0.000141	
Mesothelioma	Age (exposure commences)	0	0	0
Accumulated Risk	Risk persists for (Years) Cumulative Age Adjustment Factor fibre/ml.year (cumulative)	60 16.8	60 16.8 0.00237	60 16.8
Lung Cancer	Risk persists for (Years)	60	60	60
Accumulated Risk	fibre/ml.year (cumulative)		0.00169	

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:

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

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

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

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

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

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