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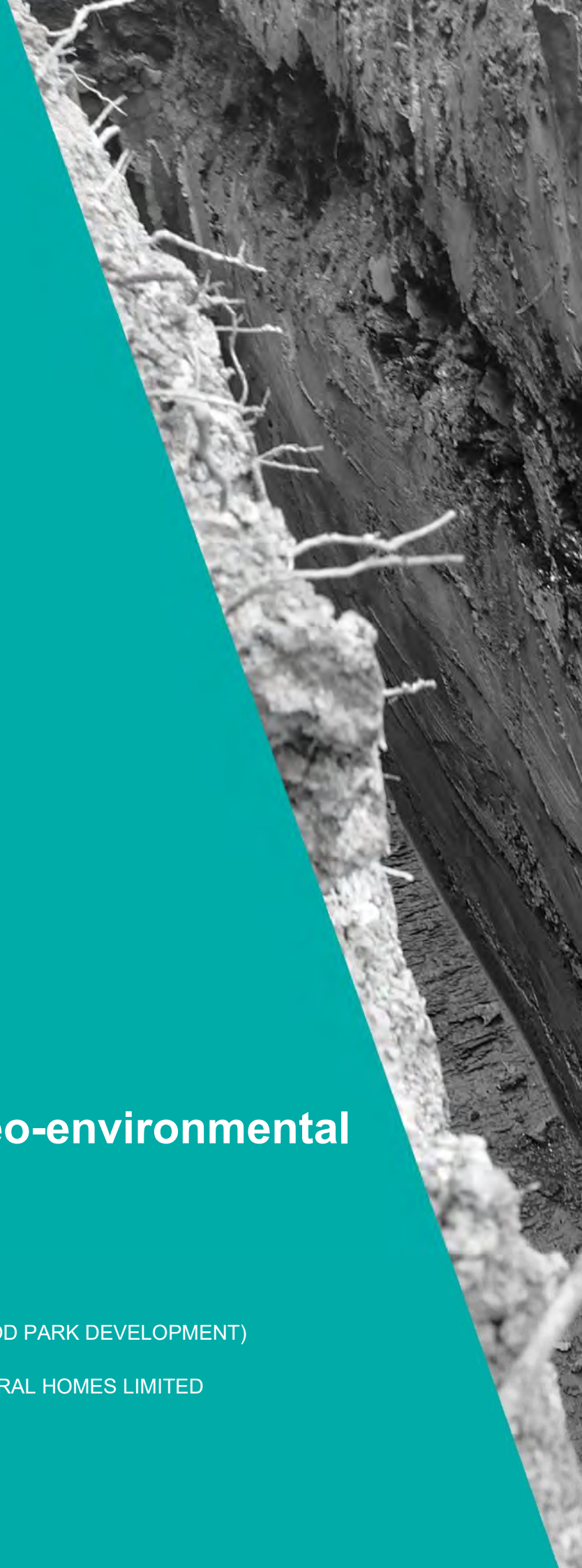

Geotechnical and Geo-environmental Site Investigation

PARCEL 16 – HOGWOOD FARM (FINCHWOOD PARK DEVELOPMENT)

CALA HOMES THAMES AND LEGAL & GENERAL HOMES LIMITED

22 APRIL 2025

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PHASE 2
GEOTECHNICAL AND GEO-ENVIRONMENTAL SITE INVESTIGATION

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FOR

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ISSUE 2

41623-045 **22 April 2025**

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Ruth Noble

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Delineation Pit Location Plan, drawing reference 41623/023 Rev F

Appendix 2 - Trial Pit Logs (TP31, TP34 to TP35, TP331 to TP342, TP356 to TP361, TP363, TP701 to TP712 and TPA to TPE)
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Appendix 3 - Groundwater Monitoring Report

Appendix 4 - Chemtest reports 17-19872, 21-37428, 22-33649, 23-05373, 23-12734 & 23-15547 and i2 Analytical reports 23-64744, 24-038320 & 24-038329
Tables of Assessment Values:

- Residential with homegrown produce;
- Allotments;
- Public Open Space – Public Park; and
- Public Open Space Near Housing

Appendix 5 - Geotechnical Test Results – GEO/34197, GEO/39421 & GEO/41200

1.0 EXECUTIVE SUMMARY

1. The site is part of the wider Finchwood Park Development, accessed off Park Lane around 1.6 km south east of Arborfield Garrison in Berkshire.

2. The site comprises an approximately 7.8 hectare area of former agricultural land surfaced with grass and other scrub vegetation. Some shallow slopes are present on the site and the levels vary between around 53 and 59 m AOD.

3. The solid geology for the majority of the site is the London Clay Formation, however the overlying Bagshot Formation is indicated to be present in the east.

4. The London Clay is classified as Unproductive Strata, however the Bagshot Formation is classified as a Secondary A Aquifer. The site does not lie within a groundwater Source Protection Zone.

5. No radon precautions or ground gas protective measures are considered to be required.

6. The ground conditions comprise topsoil, generally over firm sandy clay deposits of the London Clay Formation. This is overlain in the east of the site by silty/clayey sand of the Bagshot Sand Formation.

7. Groundwater seepages were recorded in the boreholes at between 5 and 7.5 m, but were not encountered in any of the trial pits. However previous groundwater monitoring has suggested that shallow groundwater may be present, particularly during wetter months.

8. For the majority of the site, traditional strip and trench fill foundations are expected to be appropriate and founded at an expected minimum depth of 900 mm in natural clay strata.

9. At the minimum founding depth an allowable bearing capacity of 90 kN/m^2 is likely to be achievable. The allowable bearing capacity is however likely to increase to around 125 kN/m^2 from around 1.5 m bgl. Should soft or loose soils be encountered at founding depth, the foundation depth will need to be increased until soils with a suitable bearing capacity are reached.

10. Foundations will require deepening where within the influence of trees, in accordance with NHBC Standards Chapter 4.2. Heave precautions will be required wherever the

foundation depth exceeds 1.5 m due to the influence of past or present trees, or for piled plots within the influence of trees.

11. Based on the current proposals, piling due to trees is unlikely to be required.

12. It is assumed that precast concrete floors with a minimum 150 mm high ventilated void beneath will be used. The ventilated void height will need to be increased to 250 mm where heave precautions are required.

13. Soakaways are not considered to be a viable form of surface water drainage due to the presence of cohesive strata.

14. One sample of topsoil from within the proposed residential development area recorded elevated concentrations of several polycyclic aromatic hydrocarbon (PAH) compounds. Additional sampling, testing and risk assessment has concluded that there is not considered to be a significant risk to human health from the concentrations recorded and no remedial measures are necessary.

15. Two samples of natural ground (one in the proposed residential area and one in the proposed allotment area), recorded elevated concentrations of PAH compounds. Delineation of hotspots was successfully completed and remedial measures including a 600 mm capping of clean soil in the affected areas is considered to be required.

16. No sulphate precautions are required for concrete in contact with the shallow weathered London Clay Formation. However, should concrete be in contact with the deeper, unweathered London Clay Formation (i.e. piles), additional testing is likely to be required to confirm the level of sulphate precautions required.

17. The conclusions made in this report are subject to agreement by the approving bodies and your warranty provider.

2.0 INTRODUCTION

2.1 Terms of Reference

This report presents the findings of a Phase 2 (intrusive) geotechnical and geo-environmental site investigation carried out by Eastwood Consulting Engineers (ECE) for CALA Homes Thames and Legal & General Homes Limited. Any other parties using the information in this report do so at their own risk and any duty of care is excluded.

2.2 Context

ECE (then Eastwood & Partners) undertook a broader site investigation that encompasses Parcel 16 in 2017. Our report reference CAT/RAN/SAE/41623-002, dated 21 August 2017, should be read in conjunction with this report.

Three trial pits (TP31, TP34 and TP35) undertaken as part of that investigation have been referred to in the following report as they are shown to be within the parcel 16 site boundary.

No other intrusive site investigations are known to have been undertaken on the site in the past.

2.3 Aims and Objectives

The aims and objectives of this investigation were as follows.

- Detail the ground conditions and their geotechnical properties enabling outline foundation proposals to be made for the proposed development;
- Carry out tiered risk assessment to establish the likely risks to future receptors, involving the use of generic assessment criteria and where unacceptable risks are identified, site specific assessment criteria within a detailed quantitative risk assessment;
- Identify feasible remediation options if unacceptable risks are highlighted; and
- Develop an appropriate remediation strategy where remediation is required.

2.4 Scope of Investigation

The investigation consisted of intrusive site works and laboratory analysis. The findings were used to test the conceptual model and produce a final risk assessment.

The intrusive works comprised window sample boreholes and trial pits which were completed to enable:

- Examination of the shallow ground conditions;
- In-situ description of soils, enabling any localised lateral and vertical changes in soils conditions to be logged;
- Assessment of any contamination identified using visual and olfactory methods;
- Collection of soil samples for chemical and geotechnical testing; and
- Installation of monitoring wells to allow for groundwater monitoring.

2.5 Limitations of Investigation

This report is based on the assumption that the north west area of the site will be developed with low-rise conventional housing with private gardens, areas of soft landscaping and associated infrastructure including roads and driveways. The remainder of the site is to be occupied by allotments and sports facilities. It is assumed that ground levels will not be modified significantly. If this is not the case, further advice may be needed.

Where assessments of site areas affected in particular ways are given, these are approximate. All information, comments and opinions given in this report are based on the ground conditions encountered during the site work, on the results of laboratory testing carried out as part of the investigation. However, there may be conditions at the site that have not been taken into account, such as unpredictable soil strata and water conditions between or below investigation points. It should be noted that groundwater levels vary due to seasonal or other effects, and may at times differ from those measured during the investigation.

This report considers the ground and groundwater and does not cover any buildings or their fabric, or any existing hardstanding materials. Generally, testing has only been carried out for contaminants identified as potentially present with no assessment made of biological contamination. Risks to ecological receptors, such as bats, have not been considered.

3.0 SITE DESCRIPTION

Parcel 16 is part of the wider Finchwood Park Development. It is located approximately 1.6 km south east of Arborfield Garrison in Berkshire at grid reference 477602, 164064. Access to the site is through the wider Finchwood Park Development site, specifically though Parcel 15 which borders the north of the site.

The site has an area of approximately 7.8 hectares, is irregular on plan and comprises open agricultural land with hedges, including mature trees surrounding the site boundaries and along the field boundary which dissects the site in a north west/south east orientation.

The site varies in elevation from between 53 and 55 m AOD. It includes varying gentle slopes – the northern and central area slopes down to the west at a gradient of around 1 in 80 and the south east area of the site slopes down to the south west at a gradient of around 1 in 30 and the south west area of the site is relatively level.

The site is bordered by a newly constructed road and partially developed Parcel 15 to the north. Agricultural land borders the site to the south west and east. A small group of commercial/industrial buildings is present adjacent to the north east of the site. Park Lane borders the south east of the site.

The information presented in this report relates solely to Parcel 16, and will herein be referred to as ‘The Site’.

4.0 SUMMARY OF PHASE 1 ASSESSMENT

A Phase 1 assessment of the broader site (of which the subject site is a part of) was undertaken as part of our initial wider site investigation in 2017, reference 41623-002, and should be read in conjunction with this Phase 2 report. The pertinent points specifically relevant to Parcel 16 are summarised in the sections below.

4.1 Site History

4.1.1 The Site

Historical mapping shows that the site has remained relatively unchanged agricultural land since the earliest maps dated 1876-1900.

4.1.2 The Surrounding Area

The earliest historical maps, show the area surrounding the site is predominantly agricultural. Park Lane is present in its current location to east of the site and Finchampstead is located around 3.25 km to the south east.

In 1932 Arborfield Remount Depot is labelled around 750 m north west of the site, despite its extent remaining unclear. The 1961 historical map shows Arborfield Remount Depot has been renamed Arborfield Garrison, and extended up to the northern boundary of Hogwood Farm.

By 1938 a brickworks is shown approximately 650 m north west of the site, later developed as Hogwood Industrial Estate.

The 1984 map shows Hogwood Farm Industrial Estate in its current layout around 640 m to the north west of the site. By 1988 the attenuation pond between the two industrial estates is also shown.

A residential property is shown on the 1974-78 map bordering the east of the site. This is later labelled Shepperlands Cottage and Shepperlands Stables.

4.2 Geology

The majority of the site is shown to be underlain by the London Clay Formation. However, the overlying Bagshot Formation (sand) is shown to outcrop at the surface in the east and south east of the site. This formation is noted to contain localised clay areas. Superficial deposits are not indicated and no faults are shown to cross the site.

4.3 Hydrogeology

The Envirocheck identifies the aquifer classification of the London Clay Formation as Unproductive Strata. These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

The Bagshot Formation is classified as a Secondary A aquifer. These are rock layers with high permeability and can support local water supplies, and may be an important water source of rivers.

The site is not recorded as being within a groundwater Source Protection Zone.

4.4 Hydrology

The nearest surface water feature noted is a drain located at the southern end of the site.

4.5 Ground Gas

The updated UK Radon maps, issued in December 2022, have been consulted. These confirm that the site is located in a 1km grid square where less than 1% of homes are estimated to lie at or above the action level. Therefore, no radon precautions are required at the site.

No landfill sites are identified within 250 m of the site within the Envirocheck.

A number of infilled ponds are shown on historical maps of the wider Hogwood Farm site and are presumed to have been backfilled. The ponds were small features and are expected to have been shallow, and therefore the risk of significant gas generation and subsequent migration was considered to be low.

A significant depth of made ground (>2 m) is not anticipated beneath the site. Ground gas protective measures are therefore not considered to be necessary at this stage.

4.6 Potential Pollutant Linkages

The table overleaf details the possible sources and associated contaminants of concern, pathways and receptors which were identified by the Phase 1 report.

Source	Potential Contaminants	Potential Pathways	Potential Receptors
Made ground (if present)	• Heavy metals/metalloids and polycyclic aromatic hydrocarbons (PAHs) • Asbestos	• Ingestion, inhalation, direct contact	• Future site occupants and visitors • Site construction workers • Plants
		• Direct contact	• Water supply pipes
		• Migration through ground	• Controlled waters
	• Sulphates	• Direct contact	• Sub-surface concrete structures
Topsoil	• Heavy metals/metalloids and polycyclic aromatic hydrocarbons (PAHs) • Pesticides	• Ingestion, inhalation, direct contact	• Future site occupants and visitors • Site construction workers • Plants
Natural ground	• Sulphates	• Direct contact	• Sub-surface concrete structures

5.0 GROUND INVESTIGATION

5.1 Site Works

Eastwood Consulting Engineers visited site between 25 and 26 July 2017 and excavated three trial pits (TP31, TP34 and TP35) as part of the broader site investigation.

ECE revisited site between 20 and 22 October 2021 and completed nineteen trial pits (TP331 to TP342 and TP356 to TP363) across the site. Seven of the trial pits (TP331, TP332 and TP337 to TP341) were undertaken across the area of proposed residential development and these reached depths of between 0.6 m and 3.3 m below ground level (bgl). A further five trial pits (TP333 to TP336 and TP342) were completed in the proposed allotment area to between 0.7 and 0.85 m bgl and the remaining seven trial pits (TP356 to TP361 and TP363) were completed within the area of proposed sports facilities, to between 0.7 and 1.0 m bgl. During the visit the ground was noted to be soft and wet at the surface over a large area of the site. This resulted in the excavator becoming stuck and as a result the full area of the site was not able to be accessed during the investigation.

ECE revisited site on 31 August 2022 and completed fifteen additional hand-excavated sampling pits (HP05 to HP13 and HP16 to HP21) to depths of between 0.1 and 0.5 m bgl across the site.

Following completion of the previous testing, as well as chemical testing and risk assessment based on the previous proposed layout (which included allotments in the area where elevated concentrations had been recorded), further sampling, testing and subsequent delineation of hotspots was recommended. This was then undertaken by ECE on 13 February 2023 where targeted delineation testing was completed across four separate locations where elevated concentrations had been recorded previously. A total of eighty-two trial pits (D01 to D82) were completed surrounding the affected locations. In April 2023 further targeted delineation testing was also completed in fifteen locations, in the vicinity of TP342, informed by the delineation testing completed in February 2023.

Again, based on the previous proposed layout, following discussions with the local authority, the view was taken that additional delineation testing should be completed around D113, located to the south east of the original TP342, to confirm that the slightly elevated polycyclic aromatic hydrocarbon (PAH) concentration previously recorded at this location is not located at the edge of an additional hotspot.

ECE therefore attended site on 23 October 2023 and completed a further three delineation pits (TP703 to TP705) informed by delineation testing completed earlier in 2023. At this time ECE also completed ten full-scale trial pits (TP701 to TP702 and TP706 to TP713) to between 2.6 and 3.6 m bgl in what was then thought to be the revised proposed residential development area in order to gather information on the ground conditions to assist with foundation recommendations. In fact, TP701, 702, 706 & 707 are located in what is now proposed to be allotments.

In addition, six pairs of window sample boreholes, WS407 to WS412 to depths of between 1 and 1.5 m bgl and WS407a to WS412a to depths of 4 m bgl were also completed. The window sample boreholes were completed in pairs and installed with a shallow and deeper monitoring well with the aim of differentiating between potential perched and true groundwater depths. Raised borehole covers were used for each monitoring well to reduce the impact of any surface water flooding.

ECE returned to the site on 21 August 2024 and completed a further five trial pits (TPA, TPB, TPC, TPD and TPE) to depths of between 2.4 m and 2.5 m bgl, to target the area proposed for residential development on the most recent proposed layout. Due to the presence of a spoil heap and a works compound/ laydown area impeding access to the northern part of the site, two additional proposed trial pits could not be completed.

Copies of all exploratory hole logs are presented in Appendix 2, and their locations are plotted on the Exploratory Hole Location Plan (drawing number 41623/029) in Appendix 1.

5.2 Laboratory Testing

Two samples of topsoil were despatched for testing as part of the 2017 site work. These were analysed at Chemtest using MCERTS accredited methodologies where available.

Following the site visit in October 2021, ten samples of topsoil and six samples of natural ground were dispatched for chemical testing. A further fifteen samples of topsoil and nine samples of natural ground were dispatched for testing following the additional hand excavated sampling completed on 31 August 2022.

Following additional site work completed in February 2023, eighty-three samples were dispatched for chemical testing. A further fifteen samples of natural ground were dispatched for chemical testing following the site work completed in April 2023.

Soil samples were taken in 500 g plastic tubs and 250 ml amber glass jars and were analysed at Chemtest Laboratories, using MCERTs accredited methodologies where available.

A further three samples of shallow natural ground were dispatched for chemical testing in October 2023. These samples were taken in 250 ml amber glass jars and were analysed at i2 Group Laboratories, using MCERTs accredited methodologies where available.

Following additional site work completed in August 2024, four samples of topsoil and four samples of natural ground were despatched for chemical testing in August 2024. These samples were taken in 250 ml amber glass jars and were analysed at i2 Group Laboratories, using MCERTs accredited methodologies where available.

The chemical test results are presented in Appendix 4 and are discussed further in Sections 8 and 9.

Fourteen samples of natural ground were also dispatched for geotechnical testing at Geolabs. The geotechnical test results are presented in Appendix 4 and discussed further in Section 7.

6.0 GROUND CONDITIONS

6.1 Surface Covering

A topsoil surface covering with a varying thickness was encountered across the site. The topsoil was noted as soft slightly sandy clay with frequent rootlets to brown silty sand, beneath a cover of grass and scrub vegetation, with a thickness of between 0.2 and 0.55 m.

6.2 Natural Ground

Underlying the topsoil in trial pits in the east of the site, the natural ground was typically found to comprise an interbedded sequence of brown and grey mottled orange clayey and/or silty sand or sandy clay. This is considered to be representative of the Bagshot Formation. This was then noted to progress to stiff dark grey clay, likely representative of the London Clay Formation, at depts of between 2.6 and 3.3 m bgl .

Across the remainder of the site, the topsoil was found to be underlain by strata considered to be representative of the London Clay Formation. This comprised firm, occasionally soft, brown and/or grey, occasionally mottled orange slightly sandy and/or silty clay, becoming stiff and grey with depth.

6.3 Obstructions

Soft and wet surface conditions were present over large parts of the site during the January 2022 investigation. The excavator was not able to access these areas. Therefore, there may be problems for plant movement during wetter times of the year.

Due to the presence of a stockpile (resulting from excess soil generated on the adjacent Parcel 15) located to the west of TP338 the full delineation grid could not be completed around TP338, however the majority of sampling locations were still able to be completed.

At the time of the August 2024 investigation, approximately the northern quarter of the site was blocked by the presence of a large stockpile and a hardstanding laydown area/materials storage, and prevented access to two proposed trial pit locations and therefore these could not be completed.

No below ground obstructions were encountered and due to the history of the site, these would not be expected to be present.

6.4 Groundwater

All of the trial pits remained dry whilst open. However, ECE has completed a programme of winter groundwater monitoring of the wells installed at the site (WS07 to WS12a) in October 2023. A copy of the full results is enclosed and these are summarised in the table below:

Monitoring Well	Water Level (m bgl)						Well Depth (m bgl)
	13/12/23	03/01/24	26/01/24	22/02/24	27/03/24	18/04/24	
WS407	GL	GL	GL	GL	GL	0.63	1
WS407a	GL	GL	0.12	GL	GL	0.68	4
WS408	0.16	GL	0.21	0.1	GL	0.62	0.83
WS408a	0.22	GL	0.3	0.1	GL	0.58	3.84
WS409	GL	GL	GL	GL	0.1	GL	0.98
WS409a	GL	GL	0.2	0.13	GL	0.15	3.98
WS410	0.7	0.7	0.49	GL	GL	0.14	0.95
WS410a	0.44	0.3	0.37	0.1	0.1	0.42	3.91
WS411	GL	GL	GL	GL	GL	GL	0.92
WS411a	GL	GL	GL	GL	GL	GL	2.83
WS412	GL	GL	GL	GL	GL	0.35	1
WS412a	GL	GL	GL	GL	GL	0.38	3.77

Considering the above results, it is clear that shallow groundwater is present at the site, often being recorded at ground level across the area of the proposed sports pitches and allotments. Furthermore, there was not a significant difference in water level between the shallow and deep borehole pairs, suggesting the shallow water is not perched. Therefore, groundwater and surface water may impact the performance of the sports pitches and allotments, as well as excavation of trenches, particularly during wetter months. As such, drainage will need to be considered during development of the sports pitches and allotments in order for them to perform as intended.

7.0 GEOTECHNICAL APPRAISAL

7.1 General

Our investigations indicate that the ground conditions comprise topsoil over natural sandy clay deposits of the London Clay Formation with clayey/silty sand of the Bagshot Formation present in the east of the site. Groundwater inflows were not recorded during completion of any of the exploratory holes, however, groundwater monitoring has indicated that shallow groundwater is present.

7.2 Geotechnical Testing

Fourteen samples of natural ground were sent for geotechnical testing following the stages of site work. The geotechnical test results are summarised in the table below:

Pit	Depth (m)	Strata	Moisture Content	Liquid Limit	0.4 x Liquid Limit	Potentially Desiccated?	Modified Plasticity Index (%)	Volume Change Potential
TP360	1.0	wLCF	22	32	12.8	N	15.8	L
TP701	1.0	wLCF	18.1	32	12.8	N	17.8	L
TP702	2.0	wLCF	26.3	60	24	N	34.7	M
TP706	2.7	wLCF	25.5	56	22.4	N	33	M
TP707	0.9	wLCF	21.0	39	15.6	N	22.8	M
TP707	1.4	wLCF	24.0	58	23.2	N	33.7	M
TP710	1.5	BF	28.3	50	20	N	31	M
TP711	1.1	BF	23.9	42	16.8	N	19	L
TPA	1.0	BF	18.9	31	12.4	N	12.3	L
TPB	1.5	wLCF	26.4	56	22.4	N	29.7	M
TPB	2.4	wLCF	26.5	54	21.6	N	30.7	M
TPD	0.9	wLCF	23.3	48	19.2	N	30	M
TPD	2.0	wLCF	23.9	42	16.8	N	22	M
TPE	1.2	wLCF	22.7	41	16.4	N	21	M

wLCF = Weathered London Clay Formation

BF = Bagshot Formation

The above results demonstrate that both the natural Bagshot Formation and weathered London Clay Formation have a low to medium volume change potential. Based on the results above, it is considered that a medium volume change potential is adopted.

None of the samples were found to be significantly desiccated as the water content of the samples is greater than 40% of the liquid limit.

7.4 Foundations

For the majority of the dwellings, it is expected that traditional strip and trench fill foundations, taken onto natural non-desiccated cohesive strata of the London Clay Formation or clayey/silty sands of the Bagshot Formation are expected to be appropriate. The Bagshot Formation is expected to be present at founding depth in the north east corner of the residential development area, covering approximately 50% of the proposed residential zone.

The geotechnical testing has shown that the cohesive soils of the London Clay Formation should be assigned a medium volume change potential and therefore a minimum founding depth of 900 mm below existing or finished ground level (whichever the deeper) will apply. At the minimum founding depth an allowable bearing capacity of 90 kN/m^2 is likely to be achievable. The allowable bearing capacity is however likely to increase with depth, with 125 kN/m^2 likely to be achievable from around 1.5 m bgl, and shallower in some areas. Should soft or loose soils be encountered at founding depth, the foundation depth should be increased until soils with a suitable bearing capacity are reached.

Foundations within, or over, clay soils will need to be deepened in accordance with NHBC Standards, Chapter 4.2 where past, present or proposed trees are within influencing distance of the foundation. Heave precautions should be included where the footing depth due to past or present trees is in excess of 1500 mm and for piled plots.

Consideration should be given to tree influence at an early stage. Buildings are likely to need to be piled wherever the depth due to trees exceeds 2.5 m. This is generally not anticipated, however, should piles be required, given the site is generally surfaced with topsoil, and as obstructions were not encountered, it is expected that driven piles will be appropriate.

Due to the possibility of shallow groundwater, particularly during wetter months, excavations should not be left open for prolonged periods. Methods such as dig and pour or sump and pump may be required to mitigate against shallow groundwater.

7.5 Ground Floors

It is assumed that a precast concrete floor, with a ventilated void beneath will be used. The void height should be at least 150 mm, increasing to 250 mm high where heave precautions are required.

7.6 Superstructure Precautions

Additional superstructure precautions are not considered to be required due to the ground conditions.

7.7 Excavation Problems

All of the trial pits remained dry and stable whilst open. Nonetheless, support will be required in accordance with current Health & Safety Regulations wherever access is required to trenches deeper than 1.2 m or less where there is risk of collapse.

Water ingress is likely to occur if excavations are left open for prolonged periods, therefore groundwater control measures may need to be adopted.

7.8 Obstructions

Soft, wet surface conditions were encountered during the investigation which prevented access into parts of the site with a wheeled excavator. This may cause problems for construction plant during the development phase.

Given the site's former agricultural use it is not expected that significant below ground obstructions will be encountered.

7.9 Surface Water Drainage

Given the cohesive nature of the natural strata encountered, as well as the very shallow groundwater conditions, surface water drainage via ground soakage is unlikely to be viable for the proposed development.

7.10 Roadworks

Based upon the ground conditions observed a CBR value of at least 2% is likely to be applicable. It is recommended that CBR tests are undertaken along any proposed roads prior to construction so that accurate CBR values can be obtained. The ground should be assumed to be frost susceptible and a minimum construction thickness of 450 mm will therefore apply.

7.11 Limitations

To reiterate, the comments made above in relation to geotechnical analysis and design refer only to 'The Site' specified in Section 3 of this report.

8.0 REFINEMENT OF OUTLINE CONCEPTUAL MODEL

8.1 Source Characterisation

An outline conceptual model, detailing the possible sources and associated contaminants of concern, potential pathways and receptors identified in the Phase 1 study was detailed in Section 4.6.

This section of the report documents the works undertaken to obtain information to test and refine this model enabling a risk assessment to be produced and, where significant risks are expected, remediation recommendations.

8.2 Ground Conditions

Our investigations indicate that the site is surfaced with topsoil over the weathered and unweathered deposits of the London Clay Formation and the Bagshot Formation. Shallow groundwater is likely to be present.

8.3 Gas Precautions

No radon precautions are required at the site and no landfill sites were identified within 250 m. Made ground was not encountered therefore ground gas precautions are not considered to be necessary in the construction of new dwellings.

8.4 Unexpected Contamination

Visual and olfactory evidence of possible significant contamination was not encountered in any of the exploratory holes.

8.5 Chemical Testing

Following the initial site investigation in 2017, one sample of topsoil and one sample of natural ground were despatched for chemical testing. Each of the samples was analysed for the suite of contaminants listed below:

Contaminant Type	Actual Contaminants
Metals/Metalloids	Arsenic, cadmium, chromium (VI and total), lead, mercury, nickel, selenium, copper and zinc
pH	pH
PAHs	Speciated polycyclic aromatic hydrocarbons (PAH)
Sulphates*	Water soluble sulphate, total (acid soluble sulphate) and sulphur

*Not tested in topsoil.

Following on from the site work in October 2021, ten samples of topsoil and six samples of natural ground were despatched for a standard suite of contaminants. One sample of natural ground was also tested for fully fractioned petroleum hydrocarbons (TPH CWG) and one sample of topsoil was tested for total organic carbon and organochlorine and organophosphorus pesticides.

Following the site work in August 2022, a further fifteen samples of topsoil and nine samples of shallow natural ground were dispatched for PAH testing following a request from the local authority for additional testing to confirm that elevated levels of PAHs were not present in the shallow soils across the site. One topsoil sample was also screened for asbestos.

Following the delineation sampling in February 2023, twenty-one samples of topsoil and forty-two samples of natural ground were sent for analysis of speciated PAH and twenty samples of topsoil were sent for testing of cadmium.

Following the site work in April 2023, a further fifteen samples of natural ground, collected to further delineate the previously identified hotspot around TP342, were also sent for speciated PAH testing. After elevated concentrations of speciated PAH compounds were recorded, the sample collected from D113 was divided into four sub samples and further testing was carried out.

Following the site works completed in October 2023 a further three samples, collected in the vicinity of TP342 to further delineate a previously identified hotspot, were dispatched for speciated PAH testing.

Following the most recent site works in August 2024, five samples of topsoil and five samples of natural ground were dispatched for chemical analysis comprising a generic suite of contaminants including speciated PAH, metals/metalloids, pH and sulphates (natural ground only). One sample of topsoil was also tested for organochlorine and organophosphorus pesticides.

8.6 Assessment Criteria

The site has three separate proposed end uses and appropriate assessment criteria have been adopted for each of the intended end uses, these are as follows:

- The central north and northeastern area of the site is to be developed with conventional residential dwellings with private gardens. Samples taken from this area have been

compared against the assessment criteria for a residential end-use with homegrown produce.

- The central south and south eastern area of the site is proposed to become allotment space. Samples taken from this area have been compared against the assessment criteria for allotments.
- The south west of the site is intended to be used as sports fields. Samples taken from this area have been compared against the assessment criteria for 'Public Open Space – Public Park' and 'Public Open Space Near Housing'.

Tables detailing the relevant assessment concentrations are included in Appendix 4.

8.7 Chemical Test Results

A copy of the chemical test results (Chemtest reports 17-19872, 21-37428, 22-33649, 23-05373, 23-12734 & 23-15547 and i2 Analytical report 23-64744, 24-038320 & 24-038329) are included in Appendix 4. Some preliminary risk assessment is undertaken in this section of the report where determinants can be readily discounted.

8.7.1 Topsoil

One sample of topsoil was analysed for total organic carbon (TOC) with a result of 0.59% being recorded. Therefore, the results have been compared against assessment criteria relating to 1% soil organic matter (SOM). It should be noted that the organic content recorded is considered to be low for topsoil and as a result the topsoil may not comply with the requirements for multipurpose topsoil in accordance with BS 3882:2015. Further testing would be required to confirm this.

The results have been analysed in accordance with their intended end use and are summarised in the sections below.

Residential Area

One sample of topsoil, collected in October 2021, recorded elevated concentrations of a number of PAH compounds within the area intended for residential end use, these are summarised in the table overleaf:

Sample	Recorded Concentration (mg/kg)		
	Benzo(b)fluoranthene	Benzo(a)pyrene	Dibenz(a,h)anthracene
TP341 – 0.25 m	7.1	6.1	1.1
Assessment Value (mg/kg)	**2.6**	**2.2**	**0.24**

A further seven samples of topsoil were collected from the proposed residential area during the August 2022 sampling. None of these samples recorded any elevated concentrations when compared against the assessment criteria for a residential with homegrown produce end use.

Statistical analysis using the results from samples of topsoil from across this part of the site determined that the elevated concentrations of PAHs in the sample from TP341 were outliers and as such, representative of a hotspot.

No further topsoil samples taken from the area proposed for residential development during the 2021 and 2022 sampling recorded any further elevated concentrations with respect to the appropriate human health assessment values.

Allotment Area

None of the topsoil samples from the 2021 and 2022 investigations recorded elevated concentrations of any contaminants when compared against assessment values for allotment end use. Pesticides were not detected.

The topsoil across the area proposed for allotments is therefore considered suitable for re-use.

Sports Field

None of the topsoil samples from the area of site proposed to be sports facilities recorded elevated concentrations of determinants when compared to assessment values for POS Parks or Public Open Space near Residential Housing.

The topsoil across the area proposed for sports fields is therefore considered suitable for re-use.

8.7.3 Natural Ground

The results have been analysed in accordance with their intended end use and are summarised in the sections below.

Residential Area

One of the seven samples of natural ground from the October 2021 investigation recorded elevated concentrations of several PAH compounds when compared with the residential assessment values. These are summarised in the table below:

Sample	Recorded Concentration (mg/kg)		
	Benzo(b)fluoranthene	Benzo(a)pyrene	Dibenz(a,h)anthracene
TP340 – 0.6 m	4.4	4.0	0.55
Assessment Value (mg/kg)	**2.6**	**2.2**	**0.24**

None of the four samples collected during the August 2022 investigation recorded any elevated concentrations when compared against the assessment criteria for residential with homegrown produce end use.

Statistical analysis using the results from samples of shallow natural ground from across this part of the site determined that the elevated concentrations of PAHs in the sample from TP340 were outliers and as such, representative of a hotspot.

None of the remaining samples of natural ground collected during the 2021 and 2022 sampling works recorded any further elevated concentrations of contaminants.

Allotment Area

One sample of natural ground from the October 2021 investigation recorded elevated concentrations of several PAH compounds when compared with the allotment assessment values. These are summarised in the table overleaf:

Sample	Recorded Concentration (mg/kg)		
	Benzo(b)fluoranthene	Benzo(a)pyrene	Dibenz(a,h)anthracene
TP342 – 0.85 m	2.9	2.7	0.62
Assessment Value (mg/kg)	**0.9**	**0.97**	**0.14**

Further to the above results, neither of the two samples of natural ground collected from hand-excavated sampling pits within the proposed allotment area during August 2022 recorded any elevated concentrations when compared against the assessment criteria for an allotment end use.

Statistical analysis using the results from samples of shallow natural ground from across this part of the site determined that the elevated concentrations of PAHs in the sample from TP342 were outliers and as such, representative of a hotspot.

None of the remaining samples of natural ground recorded any further elevated concentrations of contaminants.

Sports Facilities

None of the natural ground samples from the area of site proposed to be sports facilities recorded elevated concentrations of determinants when compared to assessment values for POS Parks or Public Open Space near Residential Housing.

8.7.4 Delineation Testing

Following the identification of hotspots of PAH in the topsoil and natural ground in three locations within the residential and allotment areas, it was considered that these areas required delineation. A further site visit was therefore undertaken in February 2023 when additional targeted sampling was completed around the original locations where elevated concentrations were recorded.

Twenty-one sampling locations were proposed around each location where an elevated result was recorded previously, these being TP340, 341 and 342.

Additional delineation testing in fifteen sampling locations, informed by the first phase of delineation testing, was then subsequently completed in the area surrounding TP342 in April 2023.

The locations of the sampling pits are shown on the Delineation Pit Location Plan, a copy of which is included in Appendix 1. Each of the delineation zones will be discussed in turn below.

TP341

The sample of topsoil from TP341 previously recorded elevated concentrations of a number of PAH compounds. Twenty-one samples of topsoil were collected from the delineation pits excavated around TP341 and each was sent for laboratory analysis of speciated PAH. The results are included in Chemtest report ref 23-05373, a copy of which is in Appendix 4. None of the samples collected on this grid recorded PAH concentrations elevated above the allotment assessment values. It is therefore concluded that the elevated concentrations of PAHs recorded in the original topsoil sample from TP341 were an anomaly and not representative of the topsoil in this area of the site. There is not considered to be a risk to end users of the residential properties based on the results of chemical testing of the topsoil, and no further remedial measures are considered to be required in the vicinity of TP341.

TP340

The sample of shallow (<1 m) natural soil from TP340 in the residential area recorded elevated concentrations of several PAH compounds during the original investigation. Twenty-one samples of natural ground were collected from the delineation pits excavated around TP340 and each was sent for laboratory analysis of speciated PAH.

One sample (D44) from the delineation testing around TP340 recorded an elevated concentration of dibenz(a,h)anthracene compared to the residential assessment values. None of the other samples collected around TP340 recorded any elevated concentrations of PAHs. D44 was located 1 m to the north of the centre of the delineation grid and is surrounded by samples in which the concentrations were below the assessment criteria. It is therefore considered that a zone around D44 is fenced off on site, using the marker flags which were placed when the samples were taken, to demarcate the extent of unsuitable subsoil. At an appropriate time, the topsoil within this area should be stripped and the underlying subsoil removed to a depth of 600 mm below finished ground level. Clean subsoil should then be placed

across the area before the topsoil is replaced. Verification of the remediation measures described here should then be undertaken by a suitably qualified geo-environmental engineer. At this stage, this is considered to affect the gardens of Plots 1016 and 1017.

TP342

The sample of shallow (<1 m) natural soil from TP342 recorded elevated concentrations of several PAH compounds during the original investigation. Twenty-one samples of natural ground were collected from the delineation pits excavated around TP342 and each was sent for laboratory analysis of speciated PAH.

The delineation testing around TP342 recorded elevated concentrations of dibenz(a,h)anthracene in two locations (D15 and D16). These were located on the south east corner of the original delineation grid. As they were positioned on the edge of the grid, further delineation sampling and testing was required in order to confirm the extent of the hotspot. ECE therefore visited again in April 2023 and collected a further fifteen samples (D101 to D115) on a grid extending to the east, south east and south from D15 and D16.

One sample, D113, out of the fifteen additional samples collected recorded elevated concentrations of a number of PAHs including benzo[b]fluoranthene, benzo[a]pyrene and dibenz(a,h)anthracene. The laboratory was subsequently instructed to undertake additional sub-sampling and testing on this sample to confirm if the initial test results were representative of the sample as a whole. The additional testing recorded no PAH compounds to be elevated, and in general each PAH compound was recorded to be below the laboratory detection limit. This therefore demonstrates that the results recorded during the initial testing are not representative of the whole sample. The table below summarises the results recorded:

PAH Compound	Recorded Values (mg/kg)			Assessment Value (mg/kg)
	Original	Sub-samples	Average	
Benzo[b]fluoranthene	1.7	<0.1, <0.1, 0.25, <0.1	0.45	0.9
Benzo[a]pyrene	1.1	<0.1, <0.1, <0.1, <0.1	0.3	0.97
Dibenz(a,h)anthracene	0.52	<0.1, <0.1, <0.1, <0.1	0.18	0.14

With the exception of dibenz(a,h)anthracene, the average concentration of each of the compounds across the sample were found to be below the assessment concentration. As such, the values are not considered to pose a significant risk to human health. The average

concentration of dibenz(a,h)anthracene was found to be marginally elevated with a concentration of 0.18 mg/kg compared to the assessment value of 0.14 mg/kg. However, as the additional testing has demonstrated that the general concentration across the sample is <0.1 mg/kg, the marginally elevated average concentration is not considered to pose a significant risk to human health by ECE. However, it has been requested by the local authority contaminated land officer that delineation point D113 be included within the hotspot area.

Therefore, to confirm that elevated PAH concentrations are not present beyond D113, three additional delineation pits (TP703 to TP705) were completed to the east and south of D113. The chemical analysis of samples from each of these pits did not record any detectable concentrations of PAH compounds.

Following the sampling and testing detailed above it is considered that the PAH hotspot in the subsoil in this area has been sufficiently delineated. The resultant extent of affected subsoil is shown on the Delineation Pit Location Plan, drawing 41623/023, a copy of which is included in Appendix 1. It is recommended that the hotspot zone is fenced off on site, using the marker flags which were placed when the samples were taken, to demarcate the extent of unsuitable subsoil. At an appropriate time, the topsoil within this area should be stripped and the underlying subsoil removed to a depth of 600 mm below finished ground level. Clean subsoil should then be placed across the area before the topsoil is replaced. Verification of the remediation measures described here should then be undertaken by a suitably qualified geo-environmental engineer.

8.8 Sulphates

In accordance with BRE Special Digest 1 (2005), the site has been categorised as a greenfield location in relation to the Aggressive Chemical Environment. Groundwater is expected to be mobile through the near surface soils.

Residential

Ten samples of natural ground from within the residential area were scheduled for pH and sulphate testing. The results are presented in the table overleaf:

Natural Ground	Range of Results	Characteristic Value	Sulphate Classification
Water Soluble Sulphate (mg/l)	**<10 – 67.5**	**53.15**	**DS-1 AC-1**
Total Sulphur (%)	**0.006 – 0.05**	**0.04**	
Total Potential Sulphate (%)	**0.018 – 0.15**	**0.12**	
pH	**7.0 – 8.3**	**7.0**	

The above values show that the natural ground samples within the residential area fall into Design Sulphate Class DS-1 and the pH characteristic values fall into Aggressive Chemical Environment Class (ACEC) AC-1.

Allotments

Six samples of natural ground from within the allotment areas were scheduled for pH and sulphate testing. The results are presented in the table below:

Natural Ground	Range of Results	Characteristic Value	Sulphate Classification
Water Soluble Sulphate (mg/l)	**10 - 19**	**14.5**	**DS-1 AC-1**
Total Sulphur (%)	**0.010 – 0.015**	**0.013**	
Total Potential Sulphate (%)	**0.030 – 0.045**	**0.038**	
pH	**7.3 – 8.4**	**7.3**	

These values indicate that the natural ground samples within the allotment area fall into Design Sulphate Class DS-1 and the pH characteristic values fall into Aggressive Chemical Environment Class (ACEC) AC-1.

Sports Facilities

Three samples of natural ground from within the allotment areas were scheduled for pH and sulphate testing. The results are presented in the table below:

Natural Ground	Range of Results	Characteristic Value	Sulphate Classification
Water Soluble Sulphate (mg/l)	**10 – 33**	**33**	**DS-1 AC-1**
Total Sulphur (%)	**0.01**	**0.01**	
Total Potential Sulphate (%)	**0.03**	**0.03**	
pH	**7.3**	**7.3**	

These values indicate that the natural ground samples within the allotment area fall into Design Sulphate Class DS-1 and the pH characteristic values fall into Aggressive Chemical Environment Class (ACEC) AC-1.

It should be noted that across the wider site, where deeper boreholes have been undertaken, the unweathered London Clay Formation, encountered below around 3 m depth has elevated levels of total potential sulphate, resulting in increased sulphate precautions. Should piling be require for any plots at the site, it is recommended that sulphate testing of the deeper natural ground id undertaken in order to confirm the level of sulphate precautions required.

8.9 Significant Pollutant Linkages

The following significant pollutant linkages have thus been identified.

Source	Potential Contaminants	Potential Pathways	Potential Receptors
Isolated areas of shallow natural ground in vicinity of TP341 and 342.	• Polycyclic aromatic hydrocarbons (PAHs)	• Ingestion, inhalation, direct contact	• Future site occupants and visitors • Site construction workers • Controlled waters

9.0 RISK ASSESSMENT

9.1 Human Health – Future Residents and Visitors

Following the initial site investigation completed at the site, one sample of topsoil and one sample of natural ground from the area intended for residential use and one sample of natural ground from the area intended for allotments recorded elevated concentrations of PAH compounds. The elevated concentrations were unexpected based on the history of the site as well as on the results of similar investigations undertaken across other land parcels within the wider site. The laboratory therefore undertook a quality assurance investigation into the reporting of the results and this concluded that '*the tests are within acceptable tolerances and we can find no evidence of either transcription errors or any indication of environmental contamination during the analytical process*'.

Residential

Statistical analysis following the first two phases of chemical testing at the site demonstrated that the elevated PAH concentrations recorded in the individual samples of topsoil and subsoil represented hotspots. It was therefore recommended that these hotspots should be delineated by a programme of targeted sampling and testing.

The delineation testing was undertaken in February 2023 and this demonstrated that none of the topsoil samples recorded elevated concentrations of PAHs indicating that the previously elevated concentrations were anomalous and not representative of the topsoil within these areas. It is therefore considered that the topsoil in the proposed residential area is not expected to cause a significant risk to human health.

However, the delineation testing of the natural subsoil around TP340 recorded one sample (D44) of natural ground with elevated concentration of PAHs. None of the other samples collected around TP340 recorded PAH concentrations elevated above the assessment values. D44 was located 1 m to the north of the centre of the delineation grid. The affected zone is shown on the Delineation Pit Location Plan in Appendix 1. This area should be fenced off on site, using the marker flags which were placed when the samples were taken, to demarcate the extent of unsuitable subsoil. At an appropriate time, the topsoil within this area should be stripped and the underlying subsoil removed to a depth of 600 mm below finished ground level. Clean subsoil should then be placed across the area before the topsoil is replaced. Verification

of the remediation measures described here should then be undertaken by a suitably qualified geo-environmental engineer. This is currently considered to affect Plots 1016 and 1017.

Allotments

Statistical analysis following the first two phases of chemical testing at the site demonstrated that the elevated PAH concentration in the shallow natural ground in TP342 represented a hotspot. It was therefore recommended that the hotspot should be delineated by a programme of targeted sampling and testing.

The first phase of delineation testing around TP342 was undertaken in February 2023. This recorded elevated concentrations of a single PAH compound (dibenz(a,h)anthracene) in two locations (D15 and D16). These are located on the south east corner of the delineation grid. Since the elevated concentrations were recorded at the edge of the delineation grid, further delineation sampling and testing, was completed in April 2023. This testing recorded several PAHs to be elevated in one location (D113). Additional sub-sampling was completed on this sample which demonstrated that the elevated PAH concentrations were not representative of the sample, and thus not considered to pose a significant risk to human health. However, the local authority requested that D113 should be included in the hotspot area. In order to confirm that additional elevated PAH concentrations are not present beyond D113, further delineation testing was also completed to the east and south of D113. This additional testing did not record any elevated PAH concentrations and has allowed the full extent of the hotspot to be confirmed.

The extent of the hotspot is indicated on the Delineation Pit Location Plan. This area should be fenced off on site, using the marker flags which were placed when the samples were taken, to demarcate the extent of unsuitable subsoil. At an appropriate time, the topsoil within this area should be stripped and the underlying subsoil removed to a depth of 600 mm below finished ground level. Clean subsoil should then be placed across the area before the topsoil is replaced. Verification of the remediation measures described here should then be undertaken by a suitably qualified geo-environmental engineer.

Sports Facilities

None of the samples taken within the area proposed for sports facilities showed concentrations elevated above the assessment criteria.

9.2 Human Health – Construction Workers

Groundworkers employed during the construction phase of the development are most at risk of harm due to them having direct contact with affected soils. However, the contact is generally of short duration, and all competent ground workers will be aware of the potential risks associated with soils of this nature. Therefore, the overall risk to the health of construction workers is considered to be 'low'.

All groundworkers employed on the site should be made aware that elevated concentrations of contaminants are present within the topsoil and natural ground. Normal site procedures such as the wearing of gloves when handling soils, and the washing of hands prior to eating should be implemented at all times.

Any unusual, brightly coloured, ashy or odorous material or material suspected of containing asbestos encountered during construction should be brought to the attention of the site staff and investigated.

9.3 Gas Precautions

Ground gas precautions are not considered to be necessary.

9.4 Controlled Waters

Shallow groundwater was not encountered as part of this investigation but previous groundwater monitoring has identified the presence of shallow groundwater. Elevated concentrations of PAH compounds were recorded during the recent investigation however, these are not expected to be particularly soluble and there are no highly sensitive controlled water receptors nearby, therefore the potential risk is considered to be low.

9.5 Construction Materials

Based upon the results of the pH and sulphate testing discussed in Section 8, sulphate precautions are not required for below ground concrete in contact with the weathered London Clay Formation and DS-1 AC-1 concrete will be appropriate.

Should below ground concrete in contact with the deeper, unweathered London Clay Formation be required, i.e. piles, additional sulphate testing is recommended.

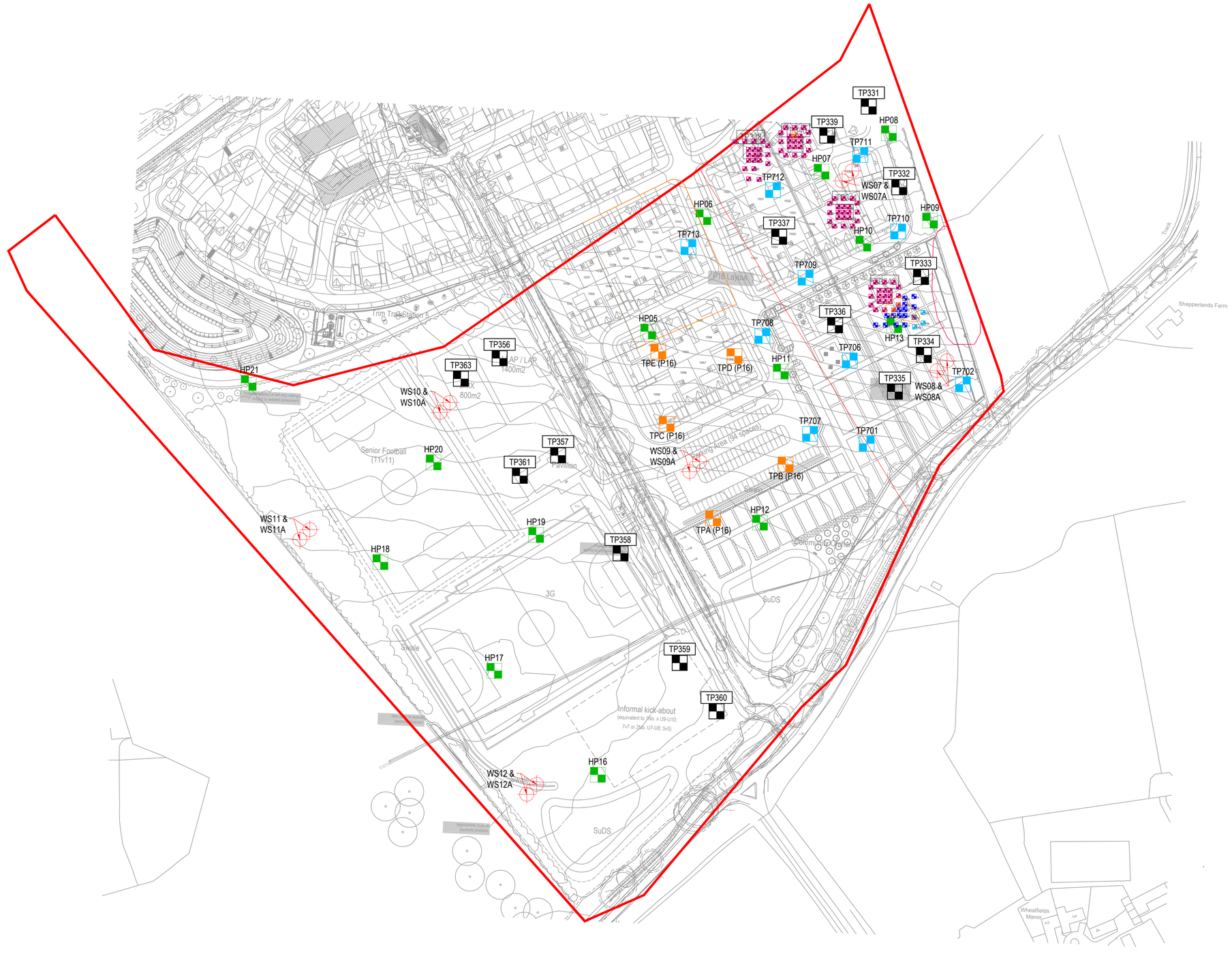
9.6 Limitations

The risk assessment presented above relates solely to Parcel 16. No investigation was possible in the location of the existing barns and therefore further sampling should be undertaken once these have been demolished. Made ground is likely to be present in this area and as such there is potential for further elevated concentrations of contaminants. Further sampling and testing is also recommended to confirm the presence and extent of elevated concentrations of PAHs in the topsoil and shallow natural ground.

Appendix 1

Exploratory Hole Location Plan, drawing reference 41623/029 rev A

Delineation Pit Location Plan, drawing reference 41623/023 rev F



INFORMATION WITHIN THIS DRAWING IS NOT NECESSARILY PRODUCED TO SCALE. ALWAYS USE FIGURED DIMENSIONS AND CO-ORDINATES - IF IN DOUBT, ASK.

NOTES

KEY:

- Site Boundary.
- Approximate location of cable percussion borehole completed on behalf of Eastwood and Partners between 09.11.2021 and 10.11.2021
- Approximate location of trial pit completed by Eastwood and Partners between 20.10.2021 and 22.10.2021
- Approximate location of hand pit completed on behalf of Eastwood and Partners on 31st August 2022.
- Approximate area of land proposed for allotments.
- Approximate area of land proposed for sports fields.
- Approximate area of spoil heap.
- Sampling location to delineate hotspot completed by Eastwood CE on 13 Febuary 2023.
- Additional sampling location to delineate hotspot completed by Eastwood CE on 17 April 2023.
- Approximate location of trial pit completed by Eastwood CE on 17 April 2023.
- Approximate location of trial pit completed by ECE on 23 October 2023.
- Approximate location of window sample boreholes completed by ECE between 25 and 26 October 2023.
- Approximate location of trial pit completed by ECE on 21 August 2024.
- Area inaccessible due to materials compound.
- Area inaccessible due to stockpile.

REV	DESCRIPTION	SIG	CHK	DATE
A	First Issue.			

CALA HOMES THAMES & LEGAL AND GENERAL HOMES LTD

PARCEL 16, HOGWOOD FARM

EXPLORATORY HOLE LOCATION PLAN

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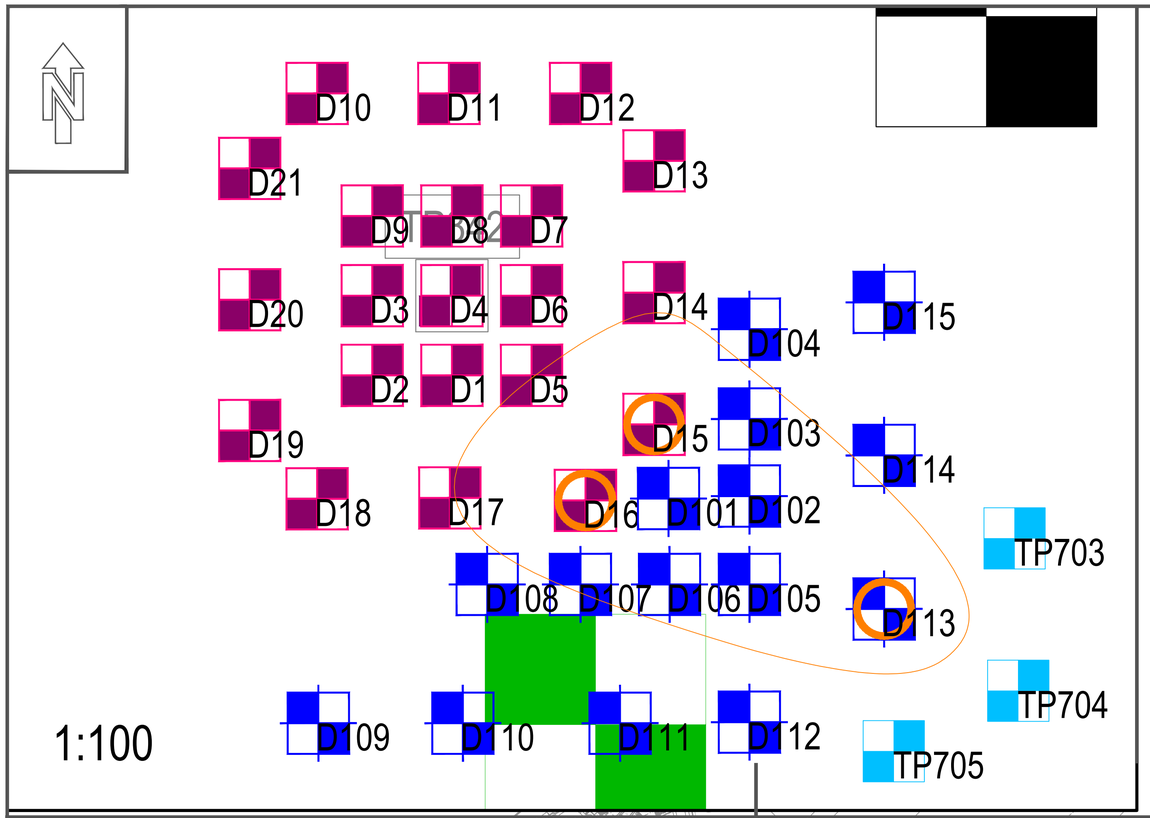
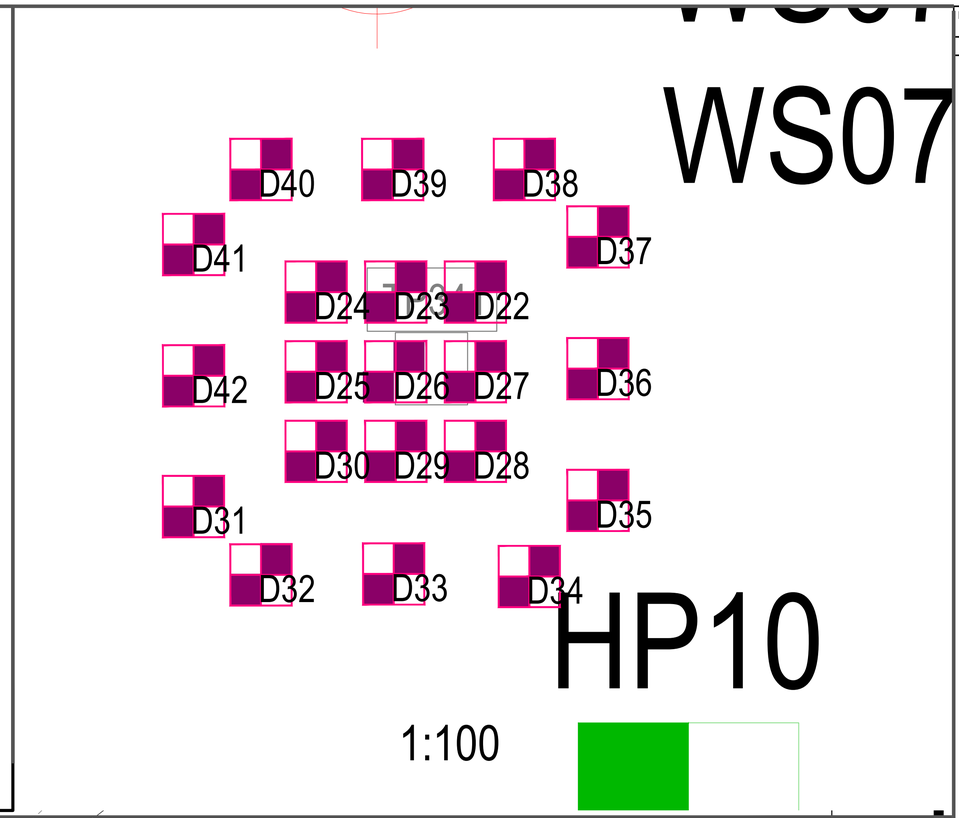
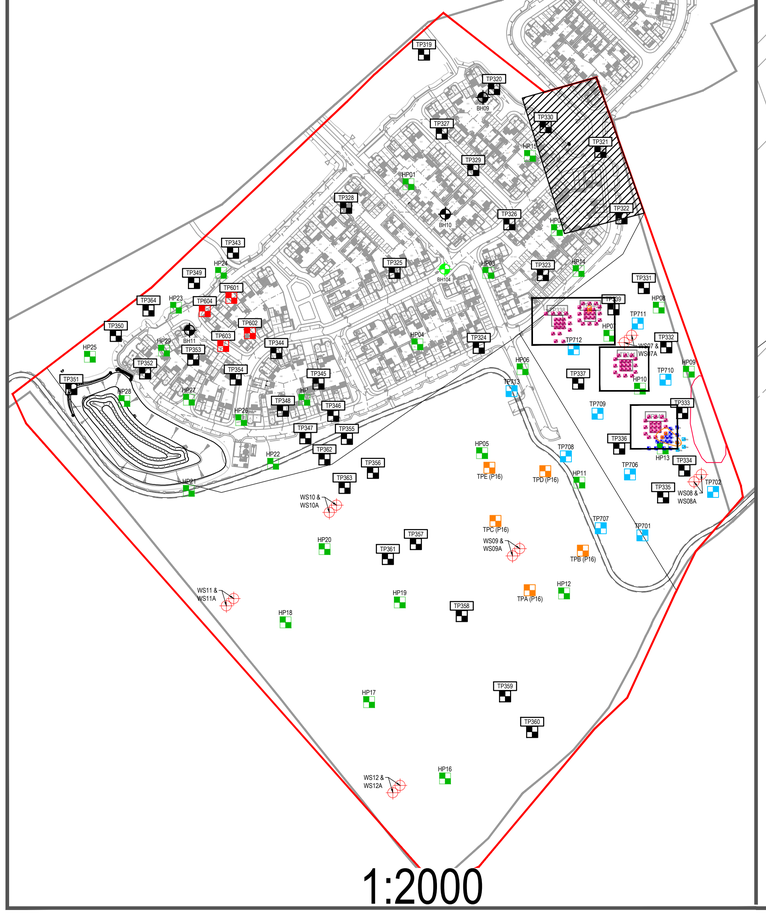
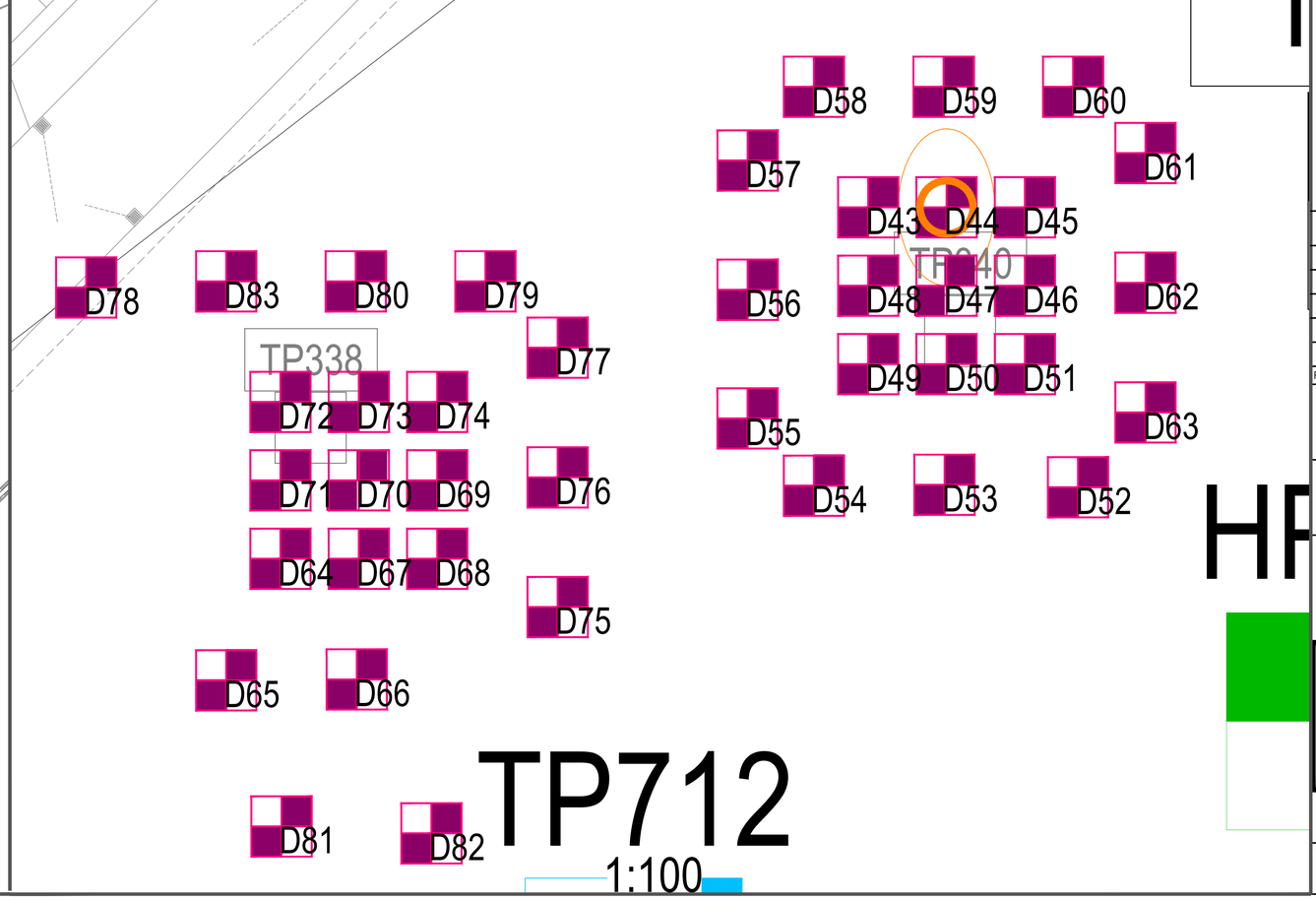
SCALE WHEN PLOTTED AT A1	DRAWING STATUS
1:1250	PRELIMINARY

DRAWN	CHECKED	DATE	DRAWING NUMBER	REV
DW	AML	25.09.24	41623/029	A









INFORMATION WITHIN THIS DRAWING IS NOT NECESSARILY PRODUCED TO SCALE. ALWAYS USE FIGURED DIMENSIONS AND CO-ORDINATES - IF IN DOUBT, ASK.

NOTES

KEY:

- Site Boundary.
- Approximate location of cable percussion borehole completed on behalf of ECE between 09.11.2021 and 10.11.2021.
- Approximate location of trial pit completed by ECE between 20.10.2021 and 22.10.2021.
- Approximate location of cable percussion borehole completed on behalf of ECE on 3rd May 2022.
- Approximate location of hand pit completed on behalf of ECE on 31st August 2022.
- Approximate area stripped of topsoil.
- Approximate area of land proposed for residential use.
- Approximate area of land proposed for allotments.
- Approximate area of land proposed for sports fields.
- Approximate location of sampling to delineate hotspot completed by ECE on 13 Febuary 2023.
- Approximate extent of unsuitable subsoil to be removed to a depth of 600mm below finished ground level.
- Approximate location of delineation sample where elevated concentration was recorded.
- Approximate location of additional sampling to delineate hotspot completed by ECE on 17 April 2023.
- Approximate location of trial pit completed by ECE on 17 April 2023.
- Approximate location of trial pit completed by ECE on 23 October 2023.
- Approximate location of window sample boreholes completed by ECE between 25 and 26 October 2023.
- Approximate location of trial pit completed by ECE on 21 August 2024.
- Approximate extent of Parcel 15.

REV	DESCRIPTION	SIG	CHK	DATE
F	TPA-TPE added. Approximate extent of Parcel 15 added to key.	DW	AML	21.11.2024
E	October 2023 trial pits and window samples added.	DW	ME	23.11.2023
D	Topographical survey replaced with site layout.	GT	RN	19.07.2023
C	Updated to suit latest ground test results.	GT	RN	26.05.2023
B	Updated to include latest trial pits post site visit.	GT/TC	ME	10.05.2023
A	First Issue.			

CALA HOMES THAMES & LEGAL AND GENERAL HOMES LTD

PARCEL 16, HOGWOOD FARM

DELINEATION PIT LOCATION PLAN

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SCALE WHEN PLOTTED AT A1	DRAWING STATUS
1:2000, 1:100	INFORMATION

DRAWN	CHECKED	DATE	DRAWING NUMBER	REV
GT	ME	21.02.2023	41623/023	F

Appendix 2

Trial Pit Logs (TP31, TP34 to TP35, TP331 to TP342, TP356 to TP361, TP363,

TP701 to TP712 and TPA to TPE)

Window Sample Borehole Logs (WS07 & WS07A to WS12 & WS12A)

Eastwood & Partners
CONSULTING ENGINEERS

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Trialpit No
TP31
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level: -	27/07/2017
Location: Arborfield		Dimensions: -	Scale 1:25
		Depth 2.80m	
Client: Legal and General Homes			Logged By SAE

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.10	D					TOPSOIL: Grass over brown silty CLAY with roots and rootlets.
			0.35			
0.40	D					Stiff orange brown slightly sandy silty CLAY, becoming mottled grey around 2.0 m bgl. Friable in upper 0.7 m.
1.00	IPP 1	275				
1.00	IPP 2	300				
1.00	IPP 3	300				
1.00	D					
			2.80			Trialpit Complete at 2.80 m

Remarks: IPP= Penetrometer readings given as unconfined compressive strength in kN/m2

Groundwater: None encountered

AGS

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Trialpit No
TP34
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level: -	27/07/2017
Location: Arborfield		Dimensions: -	Scale 1:25
Client: Legal and General Homes		Depth 2.50m	Logged By SAE

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.20	D					TOPSOIL: Grass over brown silty CLAY with roots and rootlets.
			0.45			
						Stiff orange brown mottled grey silty CLAY.
0.70	D					
0.90	IPP 1	225				
0.90	IPP 2	200				
0.90	IPP 3	175				
1.30	D					
			2.50			Trialpit Complete at 2.50 m

Remarks: IPP= Penetrometer readings given as unconfined compressive strength in kN/m2

Groundwater: None encountered

AGS

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Trialpit No
TP35
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level: -	27/07/2017
Location: Arborfield		Dimensions: -	Scale 1:25
		Depth 2.40m	
Client: Legal and General Homes			Logged By SAE

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.10	D					TOPSOIL: Grass over brown silty CLAY with roots and rootlets.
			0.40			
0.60	D					Stiff orange brown slightly silty CLAY, with gravel to cobble sized pockets of silty clay and sandy silt. Friable in upper 0.7 m. Boulder sized pocket of clayey gravel in northern pit face from 0.7 m to 0.9 m bgl, gravel is fine to coarse subangular to subrounded of flint.
0.80	D					
0.90	IPP 1	300				
0.90	IPP 2	300				
0.90	IPP 3	275				
			2.40			Trialpit Complete at 2.40 m

Remarks: IPP= Penetrometer readings given as unconfined compressive strength in kN/m2

Groundwater: Groundwater ingress as very slow trickle close to the base of pit.

AGS

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP331
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 3.30m m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.30			Brown and orange clayey SAND. Sand is fine to coarse with pockets of soft lightish grey sandy Silt
			3.00			Darkish grey slightly clayey SAND. Sand is fine to coarse
			3.30			Trialpit Complete at 3.300m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP332
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.90m m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.20			Orange and brown clayey SAND. Sand is fine to coarse
			0.90			Trialpit Complete at 0.900m

1
2
3
4

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP333
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.80m m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.20			Brown and orange clayey SAND with pockets of brown silty Sand. Sand is fine to coarse
			0.80			Trialpit Complete at 0.800m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP334
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.70m m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.40			Orange and brown mottled grey silty SAND. Sand is fine to coarse
			0.70			Trialpit Complete at 0.700m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP335
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.70m m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.40			Brown and orange mottled grey silty SAND. Sand is fine to coarse
			0.70			Trialpit Complete at 0.700m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP336
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 1.00m m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.20			Brown and grey mottled orange clayey SAND Sand is fine to coarse
			1.00			Trialpit Complete at 1.000m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP337
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 1.00m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
			0.20			TOPSOIL: Brown silty SAND. Sand is fine to coarse
						Brown and grey mottled orange clayey SAND. Sand is fine to coarse
			1.00			Trialpit Complete at 1.000m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP338
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.80m m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.20			Brown and grey mottled orange clayey SAND Sand is fine to coarse
			0.80			Trialpit Complete at 0.800m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP339
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.70m m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.30			Brown and orange clayey SAND with pockets of lightish grey silty Sand. Sand is fine to coarse
			0.70			Trialpit Complete at 0.700m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP340
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.60m m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.20			Brown and grey mottled orange clayey SAND Sand is fine to coarse
			0.60			Trialpit Complete at 0.600m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP341
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 1.00m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.25			Brown and grey mottled orange clayey SAND. Sand is fine to coarse
			1.00			Trialpit Complete at 1.000m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP342
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.85m m	Logged EJD

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Brown silty SAND. Sand is fine to coarse
			0.30			Brown and lightish grey mottled orange clayey SAND. Sand is fine to coarse
			0.85			Trialpit Complete at 0.850m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP356
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.90m m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown slightly silty sandy CLAY with rare flint gravel.
			0.40			Firm mottled orangish brown and brown sandy CLAY. Sand is fine to coarse.
			0.90			Trialpit Complete at 0.900m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP357
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 1.00m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown slightly silty sandy CLAY with rare flint gravel.
			0.30			Firm mottled orangish brown and brown sandy CLAY with partings of grey sand. Sand is fine to coarse.
			1.00			Trialpit Complete at 1.000m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP358
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.90m m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown slightly silty sandy CLAY with rare flint gravel.
			0.40			Firm mottled orangish brown and brown sandy CLAY. Sand is fine to coarse.
			0.90			Trialpit Complete at 0.900m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP359
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.70m m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown slightly silty sandy CLAY with rare flint gravel.
			0.50			Firm mottled orangish brown and brown sandy CLAY. Sand is fine to coarse.
			0.70			Trialpit Complete at 0.700m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP360
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 1.00m m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown slightly silty sandy CLAY with rare flint gravel.
			0.40			Firm mottled orangish brown and brown sandy CLAY with frequent lignite. Sand is fine to coarse.
			0.60			Stiff, mottled orangish brown, dark grey and grey interbedded sandy CLAY and clayey SAND.
			1.00			Trialpit Complete at 1.000m

Remarks:

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP361
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 0.90m m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown slightly silty sandy CLAY with rare flint gravel.
			0.35			Firm mottled orangish brown, brown and grey slightly silty slightly sandy CLAY.
			0.90			Trialpit Complete at 0.900m

Remarks:

Stability:

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CONSULTING ENGINEERS

TrialPit No
TP363
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	22/10/2021
Location: Arborfield		Dimensions: m	Scale 1:25
Client: Legal & General Homes		Depth: 1.00m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown slightly silty sandy CLAY with rare flint gravel.
			0.40			Soft to firm mottled orangish brown, brown and grey slightly silty slightly sandy CLAY.
			1.00			Trialpit Complete at 1.000m

Remarks: Trial pit terminated at 3.5mbgl due to unstable and collapsing side walls.

Stability:

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP701
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m, 0.50m	Scale 1:25
Client: Legal & General Homes		Depth: 2.90m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown sandy CLAY.
			0.35			Firm to stiff orangish brown mottled grey CLAY.
1.00						
			1.40			Firm to stiff orangish brown mottled grey CLAY.
2.00						
			2.90			Trialpit Complete at 2.900m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP702
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m (0.50m)	Scale 1:25
Client: Legal & General Homes		Depth: 3.50m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown sandy CLAY.
			0.35			Soft orangish brown mottled brown sandy CLAY with clayey sand pockets.
			1.60			Firm to stiff orangish brown mottled grey CLAY.
3.00			3.10			Stiff dark grey CLAY.
3.50			3.50			Trialpit Complete at 3.500m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP703
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m / 0.50m	Scale 1:25
Client: Legal & General Homes		Depth: 3.00m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.40			0.35			TOPSOIL: Soft brown sandy CLAY.
						Firm to stiff orangish brown mottled grey CLAY.
			3.00			Trialpit Complete at 3.000m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP704
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m, 0.50m, Depth: 2.80m	Scale 1:25
Client: Legal & General Homes			Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.40			0.35			TOPSOIL: Soft brown sandy CLAY.
						Firm to stiff orangish brown mottled grey CLAY.
			2.80			Trialpit Complete at 2.800m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP705
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m × 0.50m	Scale 1:25
Client: Legal & General Homes		Depth: 3.00m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.40			0.40			TOPSOIL: Soft brown sandy CLAY.
						Firm to stiff orangish brown mottled grey CLAY.
			3.00			Trialpit Complete at 3.000m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP706
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m × 0.50m	Scale 1:25
Client: Legal & General Homes		Depth: 2.90m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown sandy CLAY.
			0.40			Firm to stiff orangish brown mottled grey CLAY.
1.60						
			2.75			Stiff dark grey mottled brown CLAY.
			2.90			Trialpit Complete at 2.900m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP707
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m × 0.50m	Scale 1:25
Client: Legal & General Homes		Depth: 3.30m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown sandy CLAY.
			0.40			Firm to stiff orangish brown mottled grey CLAY.
0.90						
1.40						*Fine to medium light grey sand pockets.*
			3.00			Stiff dark grey mottled brown CLAY.
			3.30			Trialpit Complete at 3.300m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP708
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m (0.50m) Depth: 3.10m	Scale 1:25
Client: Legal & General Homes			Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown sandy CLAY.
			0.40			Firm orangish brown mottled grey sandy CLAY.
			0.60			Firm to stiff orangish brown mottled grey CLAY.
1.80						
			2.60			Stiff dark grey mottled brown CLAY.
			3.10			Trialpit Complete at 3.100m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP709
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m × 0.50m	Scale 1:25
Client: Legal & General Homes		Depth: 3.50m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown sandy CLAY.
			0.40			Soft to firm orangish brown mottled grey sandy CLAY.
			0.80			Firm orangish brown mottled grey sandy CLAY.
			3.10			Stiff dark grey mottled brown CLAY.
3.50			3.50			Trialpit Complete at 3.500m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP710
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m × 0.50m	Scale 1:25
Client: Legal & General Homes		Depth: 3.10m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown sandy CLAY.
			0.50			Soft to firm orangish brown mottled grey sandy CLAY.
			0.90			Firm orangish brown mottled grey sandy CLAY.
1.50						
			2.80			Very stiff dark grey mottled brown CLAY.
			3.10			Trialpit Complete at 3.100m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP711
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m × 0.50m	Scale 1:25
Client: Legal & General Homes		Depth: 2.80m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown sandy CLAY.
			0.50			Soft to firm orangish brown mottled grey sandy CLAY.
1.10						
			1.90			Firm orangish brown mottled grey sandy CLAY.
			2.80			Trialpit Complete at 2.800m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TP712
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	23/10/2023
Location: Arborfield		Dimensions: 1.50m, 0.50m	Scale 1:25
Client: Legal & General Homes		Depth: 3.60m	Logged ME

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
						TOPSOIL: Soft brown sandy CLAY.
			0.30			Soft to firm orangish brown mottled grey very sandy CLAY.
			0.80			Firm to stiff orangish brown mottled grey sandy CLAY.
2.20						
			3.30			Very stiff dark grey mottled brown CLAY.
			3.60			Trialpit Complete at 3.600m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TPA (P16)
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	21/08/2024
Location: Arborfield		Dimensions: 2.50m × 0.45m	Scale 1:25
Client: Legal & General Homes		Depth: 2.40m	Logged AML

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.20	ES					Grass over TOPSOIL of brown and dark orangish brown mottled silty fine to medium SAND
			0.40			
0.50	ES					Soft becoming firm brownish grey sandy silty CLAY locally with lenses of clayey sand and gravel. Sand is fine to medium. Gravel is sub angular to well rounded fine to coarse of flint, chert and quartzite.
1.00	D					
			1.40			
						Firm to stiff greyish brown and brownish grey mottled sandy micaceous silty CLAY. Sand is fine to medium.
			2.40			
						Trialpit Complete at 2.400m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TPB (P16)
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	21/08/2024
Location: Arborfield		Dimensions: 2.50m x 0.45m	Scale 1:25
Client: Legal & General Homes		Depth: 2.50m	Logged AML

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.20 - 0.60	ES					Grass over TOPSOIL of brown and dark orangish brown mottled silty fine to medium SAND
			0.40			
0.60	ES					Soft becoming firm brownish grey sandy silty CLAY locally with lenses of clayey sand and gravel. Sand is fine to medium. Gravel is sub angular to well rounded fine to coarse of flint, chert and quartzite.
			1.20			
						Soft becoming firm brownish grey slightly sandy gravelly silty CLAY locally with lenses of clayey sand. Sand is fine to medium. Gravel is sub angular to well rounded fine to coarse of flint, chert and quartzite.
			1.40			
1.50	D					Soft to firm greyish brown and brownish grey mottled slightly sandy slightly gravelly micaceous silty CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to medium of ironstone and calcareous concretions.
2.40	D					
			2.50			Trialpit Complete at 2.500m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TPC (P16)
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	21/08/2024
Location: Arborfield		Dimensions: 2.50m / 0.45m	Scale 1:25
Client: Legal & General Homes		Depth: 2.40m	Logged AML

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.20	ES					Grass over TOPSOIL of brown and dark orangish brown mottled silty fine to medium SAND
			0.45			
0.60	ES					Firm brownish grey mottled brown and greyish brown slightly sandy slightly gravelly silty CLAY with occasional to frequent roots and rootlets. Gravel is subangular to subrounded fine to medium of chert and quartzite.
1.00	D					
			1.10			
						Firm to stiff greyish brown and brownish grey mottled sandy micaceous silty CLAY. Sand is fine to medium.
2.00	D					
			2.40			Trialpit Complete at 2.400m

Remarks:

Stability: Good

Eastwood
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TrialPit No
TPD (P16)
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	21/08/2024
Location: Arborfield		Dimensions: 2.50m × 0.45m	Scale 1:25
Client: Legal & General Homes		Depth: 2.50m	Logged AML

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.20	ES					Grass over TOPSOIL of brown and dark orangish brown mottled silty fine to medium SAND
			0.40			
0.50	ES					Firm brownish grey mottled brown and greyish brown sandy silty CLAY with occasional to frequent roots and rootlets.
0.90	D					
			1.30			
						Firm to stiff greyish brown and brownish grey mottled sandy micaceous silty CLAY. Sand is fine to medium.
2.00	D					
			2.50			
						Trialpit Complete at 2.500m

Remarks:

Stability: Good

Eastwood
CONSULTING ENGINEERS

TrialPit No
TPE (P16)
Sheet 1 of 1

Project Name	Project No.	Co-ords: -	Date
Hogwood Farm	41623	Level:	21/08/2024
Location: Arborfield		Dimensions: 2.50m, 0.45m, Depth: 2.40m	Scale 1:25
Client: Legal & General Homes			Logged AML

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description
Depth (m)	Type	Results				
0.20	ES					Grass over TOPSOIL of brown and dark orangish brown mottled silty fine to medium SAND
			0.40			
0.60	ES					Soft to firm brownish grey mottled brown and greyish brown sandy silty CLAY with occasional to frequent roots and rootlets and pockets of silty fine to medium sand.
			1.10			
1.20	D					Firm becoming stiff brownish grey and grey mottled locally orange slightly gravelly sandy micaceous silty CLAY. Gravel is subangular to subrounded fine to coarse of ironstone and calcareous concretions.
			2.40			Trialpit Complete at 2.400m

Remarks:

Stability: Good

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Borehole No.
WS407a
Sheet 1 of 1

Project Name: Hogwood Farm	Project No.: 41623	Co-ords:	Hole Type: WS
Location: Arborfield		Level:	Scale: 1:50
Client: Legal & General Homes		Dates: 25/10/2023	Logged By: AMN

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.30			TOPSOIL: Soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
								Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					2.30			Firm greyish brown and brownish grey mottled locally orangish brown and light orangish brown speckled black sandy micaceous CLAY.
					3.70			Stiff to very stiff dark grey sandy micaceous silty CLAY with rare shell fragments. LONDON CLAY FORMATION.
					4.00			End of Borehole at 4.000m
			Type	Results				

1 2 3 4 5 6 7 8 9

Remarks

Eastwood
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Borehole No.
WS408
Sheet 1 of 1

Project Name	Project No.	Co-ords:	Hole Type
Hogwood Farm	41623		WS
Location: Arborfield		Level:	Scale 1:50
Client: Legal & General Homes		Dates: 25/10/2023	Logged By AMN

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30			TOPSOIL: Soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					1.00			Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
								End of Borehole at 1.000m
			Type	Results				

Remarks

Eastwood
CONSULTING ENGINEERS

Borehole No.
WS408a
Sheet 1 of 1

Project Name	Project No.	Co-ords:	Hole Type
Hogwood Farm	41623		WS
Location: Arborfield		Level:	Scale 1:50
Client: Legal & General Homes		Dates: 25/10/2023	Logged By AMN

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30			TOPSOIL: Soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
								Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					2.20			Firm greyish brown and brownish grey mottled locally orangish brown and light orangish brown speckled black sandy micaceous CLAY.
					2.80			Stiff to very stiff dark grey slightly gravelly sandy micaceous silty CLAY with rare shell fragments. LONDON CLAY FORMATION.
					4.00			End of Borehole at 4.000m
			Type	Results				

1 2 3 4 5 6 7 8 9

Remarks

Eastwood
CONSULTING ENGINEERS

Borehole No.
WS409
Sheet 1 of 1

Project Name: Hogwood Farm	Project No.: 41623	Co-ords:	Hole Type: WS
Location: Arborfield		Level:	Scale: 1:50
Client: Legal & General Homes		Dates: 25/10/2023	Logged By: AMN

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.30			TOPSOIL: Soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					1.00			Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
								End of Borehole at 1.000m
			Type	Results				

1 2 3 4 5 6 7 8 9

Remarks

Eastwood
CONSULTING ENGINEERS

Borehole No.
WS409a
Sheet 1 of 1

Project Name	Project No.	Co-ords:	Hole Type
Hogwood Farm	41623		WS
Location: Arborfield		Level:	Scale 1:50
Client: Legal & General Homes		Dates: 25/10/2023	Logged By AMN

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.30			TOPSOIL: Soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
								Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					2.20			Firm greyish brown and brownish grey mottled locally orangish brown and light orangish brown speckled black sandy micaceous CLAY.
					2.70			Stiff to very stiff dark grey sandy micaceous silty CLAY with rare shell fragments. LONDON CLAY FORMATION.
					3.25			Very stiff dark grey slightly sandy slightly gravelly micaceous silty CLAY with frequent shell fragments.
					4.00			End of Borehole at 4.000m
			Type	Results				

1 2 3 4 5 6 7 8 9

Remarks

Eastwood
CONSULTING ENGINEERS

Borehole No.
WS410
Sheet 1 of 1

Project Name: Hogwood Farm	Project No.: 41623	Co-ords:	Hole Type: WS
Location: Arborfield		Level:	Scale: 1:50
Client: Legal & General Homes		Dates: 25/10/2023	Logged By: AMN

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.30			TOPSOIL: Soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
								Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					1.50			End of Borehole at 1.500m
			Type	Results				

1 2 3 4 5 6 7 8 9

Remarks

Eastwood
CONSULTING ENGINEERS

Borehole No.
WS410a
Sheet 1 of 1

Project Name	Project No.	Co-ords:	Hole Type
Hogwood Farm	41623		WS
Location: Arborfield		Level:	Scale 1:50
Client: Legal & General Homes		Dates: 25/10/2023	Logged By AMN

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30			TOPSOIL: Soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					2.00			Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					2.80			Firm greyish brown and brownish grey mottled locally orangish brown and light orangish brown speckled black sandy micaceous CLAY.
					4.00			Stiff to very stiff dark grey slightly gravelly sandy micaceous silty CLAY with rare shell fragments. LONDON CLAY FORMATION.
								End of Borehole at 4.000m
			Type	Results				

Remarks

Eastwood
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Borehole No.
WS411
Sheet 1 of 1

Project Name	Project No.	Co-ords:	Hole Type
Hogwood Farm	41623		WS
Location: Arborfield		Level:	Scale 1:50
Client: Legal & General Homes		Dates: 26/10/2023	Logged By AMN

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30			TOPSOIL: Soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
								Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					1.50			End of Borehole at 1.500m
			Type	Results				

Remarks

Eastwood
CONSULTING ENGINEERS

Borehole No.
WS411a
Sheet 1 of 1

Project Name	Project No.	Co-ords:	Hole Type
Hogwood Farm	41623		WS
Location: Arborfield		Level:	Scale 1:50
Client: Legal & General Homes		Dates: 26/10/2023	Logged By AMN

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.30			TOPSOIL: Soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
								Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					2.10			Firm greyish brown and brownish grey mottled locally orangish brown and light orangish brown speckled black sandy micaceous CLAY.
					3.30			Stiff to very stiff dark grey slightly gravelly sandy micaceous silty CLAY with rare shell fragments. LONDON CLAY FORMATION.
					4.00			End of Borehole at 4.000m
			Type	Results				

1 2 3 4 5 6 7 8 9

Remarks

Eastwood
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Borehole No.
WS412
Sheet 1 of 1

Project Name: Hogwood Farm	Project No.: 41623	Co-ords:	Hole Type: WS
Location: Arborfield		Level:	Scale: 1:50
Client: Legal & General Homes		Dates: 26/10/2023	Logged By: AMN

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.30			Grass over TOPSOIL of soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
								Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with occasional rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					1.50			End of Borehole at 1.500m

Type	Results

Remarks

Eastwood
CONSULTING ENGINEERS

Borehole No.
WS412a
Sheet 1 of 1

Project Name	Project No.	Co-ords:	Hole Type
Hogwood Farm	41623		WS
Location: Arborfield		Level:	Scale 1:50
Client: Legal & General Homes		Dates: 26/10/2023	Logged By AMN

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30			TOPSOIL: Soft to firm dark brown mottled brownish grey slightly sandy slightly gravelly clayey SILT with frequent to numerous rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
								Soft to firm light grey and orangish brown locally light brownish orange slightly gravelly sandy CLAY with frequent rootlets. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint, chert and quartzite.
					2.80			Firm greyish brown and brownish grey mottled locally orangish brown and light orangish brown speckled black sandy micaceous CLAY.
					3.70			Stiff to very stiff dark grey slightly gravelly sandy micaceous silty CLAY with rare shell fragments. LONDON CLAY FORMATION.
					4.00			End of Borehole at 4.000m
			Type	Results				

1 2 3 4 5 6 7 8 9

Remarks

Appendix 3

Groundwater Monitoring Report

Eastwood&Partners
CONSULTING ENGINEERS

Eastwood & Partners, St Andrews House, 23 Kingfield Road, Sheffield, S11 9AS
Tel: 0114 255 4554 mail@eastwoodandpartners.com www.eastwoodandpartners.com

[redacted]

CAT/RAN/41623-007

Legal & General Homes Communities
One Coleman Street
London
EC2R 5AA

21 August 2019

Dear [redacted]

Hogwood Farm, Arborfield – Groundwater Monitoring Report

We are writing to report on the groundwater monitoring which was undertaken at this site between July 2018 and June 2019.

Monitoring visits

Monthly visits were undertaken by E&P during which, monitoring of the water depth in each of the twenty-two installed monitoring wells was undertaken. WS22, located in the SANG area in the southern part of the site could not be located and was not monitored during any of the visits. All remaining wells (WS1 to WS21 and WS23) were monitored on at least one occasion. The occasions during which monitoring could not be undertaken are listed in the table below, along with the corresponding reasons.

Monitoring well	Dates not monitored	Reason
WS2	June 2019	Well destroyed/buried by ongoing construction works in the vicinity
WS4	July to August 2018	Could not locate
WS11	December 2018 to June 2019	Well destroyed/buried during archaeological works in the vicinity
WS15	June 2019	Well monitored but found to be dry and silted up to 1.15 m
WS22	All	Could not locate well, suspect it was not installed
WS223	December 2018 to June 2019	Well destroyed/buried during archaeological works in the vicinity

In addition to the above, no monitoring was undertaken during November 2018.

Monitoring Results

The monitoring commenced in July 2018 where the water level was recorded to be between 1.2 m and 2.1 m below ground level (bgl) across the site. The water levels then dropped to

their deepest in September 2018 where they were found to be between 1.2 m and 2.7 m bgl. The levels then rose to a peak in March 2019 where the levels were found to be between 0.0 m and 0.96 m bgl. As expected, the levels then fell towards June 2019, although small rises were recorded in a few wells between May and June.

A copy of the spreadsheet outlining the monitoring results is attached along with a graph demonstrating the annual cyclical nature of the water levels.

Interpretation of Results

From the results recorded we have produced two plans showing the groundwater contours across the site;

- Drawing 41623/005 – Groundwater Monitoring Locations with Highest Water Depths; and
- Drawing 41623/006 – Groundwater Monitoring Locations with Lowest Water Depths

Copies of the plans are enclosed. These both show a similar trend with water levels being highest in the north west and north east, falling south east and south west respectively, towards the centre of the southern area of the site.

The enclosed Ordnance Survey (OS) plan shows a large number of surface watercourses and ponds both on the site and in the surrounding area. The OS extract which covers a wider area also shows a large number of surface water features, including the Blackwater River located around 550 m south of the site. A surface water drain/stream is indicated to run through the site, exiting at the centre of the southern boundary of the site. This then turns south west and flows directly to the Blackwater River. This is therefore consistent with the contours plotted from the water monitoring, which indicate the water levels to fall towards the drain/stream.

The elevation of the site is between around 52 m AOD in the south and east to around 60 m AOD in the north. The Blackwater River lies at an elevation of around 50 m AOD. It is therefore not unexpected that the groundwater is encountered at shallow depth below the site. The water depths recorded are therefore considered to represent the true groundwater level, and not a perched water table.

Conclusion

Water monitoring of twenty-two monitoring wells across the site over twelve months between July 2018 and June 2019 has demonstrated an annual cyclical pattern with water levels being

shallowest towards the end of the winter period/beginning of spring and deepest towards the end of the summer period/beginning of autumn. The water levels were observed to be relatively shallow, with water recorded at the surface on a few occasions in a small number of wells. Contour plans have been produced which indicate the groundwater is flowing towards a surface water drain/stream which exits the centre of the southern boundary of the site and flows towards the Blackwater River. The values recorded are considered to be representative of the true groundwater, and not a perched water table.

Yours sincerely

[redacted]

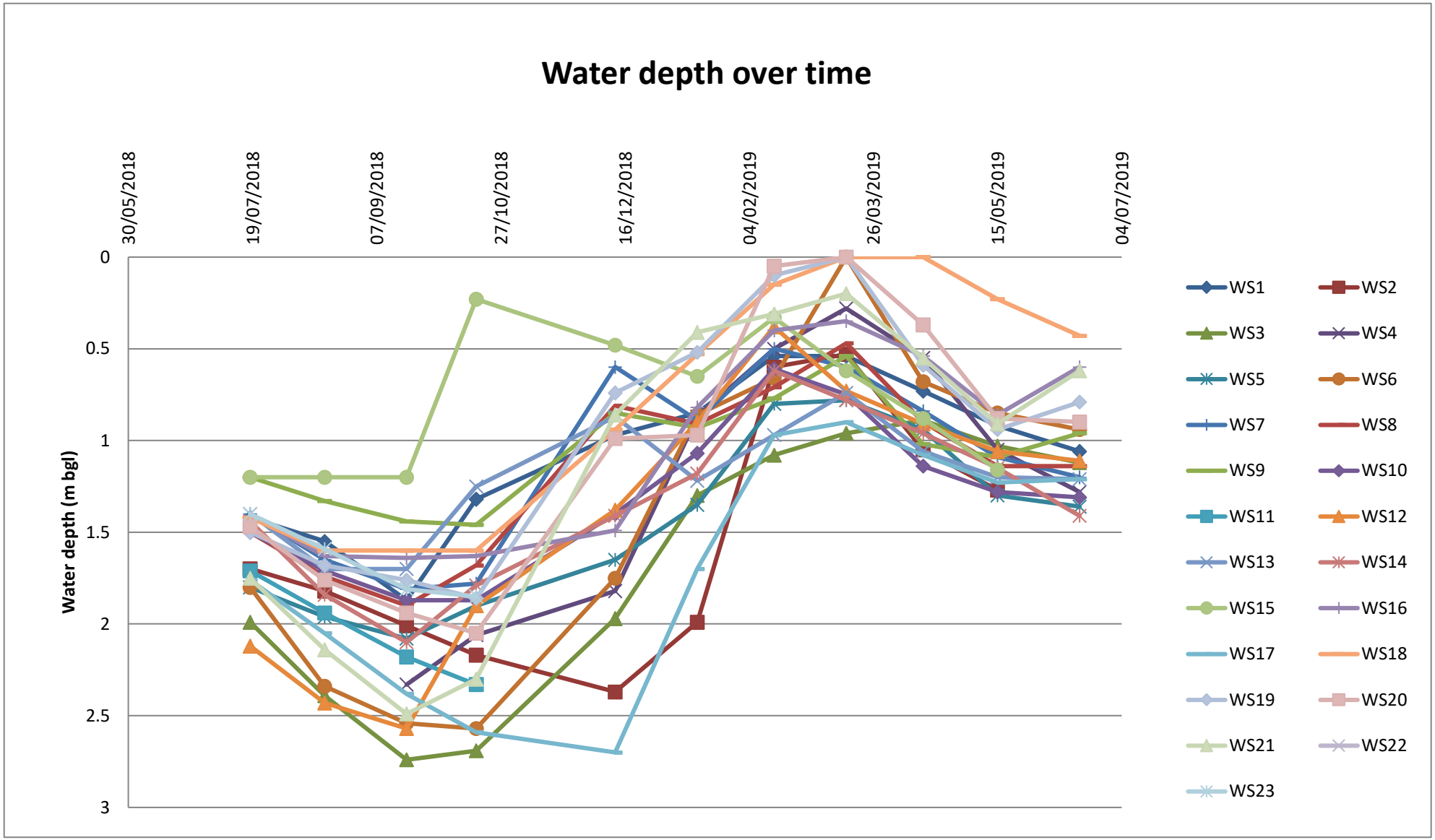
Catherine Topliss

Enc. Monitoring results spreadsheet
Graph of monitoring results
Drawings 41623/005 and 41623/006
Ordnance Survey Plan and Ordnance Survey Extract

Groundwater Monitoring Results Table

Monitoring well	Water level (mbgl)											Depth (m bgl)
	18/07/2018	17/08/2018	19/09/2018	17/10/2018	12/12/2018	14/01/2019	14/02/2019	15/03/2019	15/04/2019	15/05/2019	17/06/2019	
WS1	1.42	1.55	1.87	1.32	0.97	0.85	0.54	0.54	0.73	0.92	1.06	2.9
WS2	1.7	1.82	2.01	2.17	2.37	1.99	0.6	0.53	1.05	1.27		2.8
WS3	1.99	2.39	2.74	2.69	1.97	1.3	1.08	0.96	0.89	1.03	1.12	3
WS4			2.33	2.06	1.82	0.87	0.5	0.28	0.55	1.05	1.28	3.7
WS5	1.8	1.96	2.08	1.9	1.65	1.35	0.8	0.78	0.94	1.3	1.36	3.6
WS6	1.8	2.34	2.54	2.57	1.75	0.86	0.66	0	0.68	0.85	0.94	3.8
WS7	1.4	1.65	1.81	1.78	0.6	0.89	0.5	0.6	0.84	1.09	1.2	3.6
WS8	1.5	1.74	1.9	1.68	0.81	0.91	0.71	0.47	0.9	1.14	1.14	2.8
WS9	1.2	1.33	1.44	1.46	0.85	0.93	0.77	0.54	1.02	1.09	0.96	3.9
WS10	1.5	1.71	1.87	1.87	1.4	1.07	0.61	0.75	1.14	1.28	1.31	2.8
WS11	1.71	1.94	2.18	2.33								2.5
WS12	2.12	2.43	2.57	1.9	1.38	0.9	0.38	0.73	0.91	1.06	1.11	2.9
WS13	1.4	1.7	1.7	1.25	0.87	1.22	0.97	0.74	1.06	1.2	1.21	1.8
WS14	1.44	1.84	2.1	1.79	1.41	1.18	0.62	0.78	0.96	1.15	1.41	2.9
WS15	1.2	1.2	1.2	0.23	0.48	0.65	0.33	0.62	0.88	1.16		1.3
WS16	1.41	1.63	1.64	1.63	1.49	0.82	0.4	0.35	0.54	0.86	0.6	1.6
WS17	1.76	2.05	2.38	2.59	2.7	1.7	0.97	0.9	1.08	1.23	1.21	2.7
WS18	1.42	1.6	1.6	1.6	0.94	0.53	0.15	0	0	0.23	0.43	2.7
WS19	1.5	1.68	1.76	1.86	0.74	0.52	0.1	0	0.59	0.94	0.79	3.5
WS20	1.47	1.76	1.94	2.05	0.99	0.97	0.05	0	0.37	0.88	0.9	2.9
WS21	1.75	2.14	2.49	2.3	0.86	0.41	0.31	0.2	0.55	0.91	0.62	3.3
WS22												3.6
WS23	1.4	1.59	1.81	1.85								2.9

17/06/2019
WS2 - Destroyed/buried
WS15 - Dry (silted up to 1.15 m)


Water depth over time
30/05/2018
19/07/2018
07/09/2018
27/10/2018
16/12/2018
04/02/2019
26/03/2019
15/05/2019
04/07/2019
Water depth (m bgl)
0
0.5
1
1.5
2
2.5
3
WS1
WS2
WS3
WS4
WS5
WS6
WS7
WS8
WS9
WS10
WS11
WS12
WS13
WS14
WS15
WS16
WS17
WS18
WS19
WS20
WS21
WS22
WS23

INFORMATION WITHIN THIS DRAWING IS NOT NECESSARILY PRODUCED TO SCALE. ALWAYS USE FIGURED DIMENSIONS AND CO-ORDINATES - IF IN DOUBT, ASK.

1.5	Highest water depth recorded throughout the monitoring period in metres below ground level.
50.50	Highest water depth recorded throughout the monitoring period in metres above Ordnance Datum.
●	GWM Standpipe location
———	Groundwater level contour line
— — —	Groundwater level contour line - extrapolated

REV	DESCRIPTION	SIG	CHK	DATE
A	First Issue.			

LEGAL AND GENERAL HOMES

HOGWOOD FARM, ARBORFIELD

GROUND WATER MONITORING LOCATIONS WITH HIGHEST WATER DEPTHS

Eastwood & Partners CONSULTING ENGINEERS

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SCALE WHEN PLOTTED AT A3	DRAWING STATUS
1:5000	INFORMATION

DRAWN	CHECKED	DATE	DRAWING NUMBER	REV
TC	RAN	24.07.19	41623/005	A

INFORMATION WITHIN THIS DRAWING IS NOT NECESSARILY PRODUCED TO SCALE.
ALWAYS USE FIGURED DIMENSIONS AND CO-ORDINATES - IF IN DOUBT, ASK.

0.5	Lowest water depth recorded throughout the monitoring period in metres below ground level.
55.50	Lowest water depth recorded throughout the monitoring period in metres above Ordnance Datum.
●	GWM Standpipe location
———	Groundwater level contour line
— — —	Groundwater level contour line - extrapolated

REV	DESCRIPTION	SIG	CHK	DATE
A	First Issue.			

LEGAL AND GENERAL HOMES

HOGWOOD FARM, ARBORFIELD

GROUND WATER MONITORING LOCATIONS WITH LOWEST WATER DEPTHS

Eastwood & Partners CONSULTING ENGINEERS

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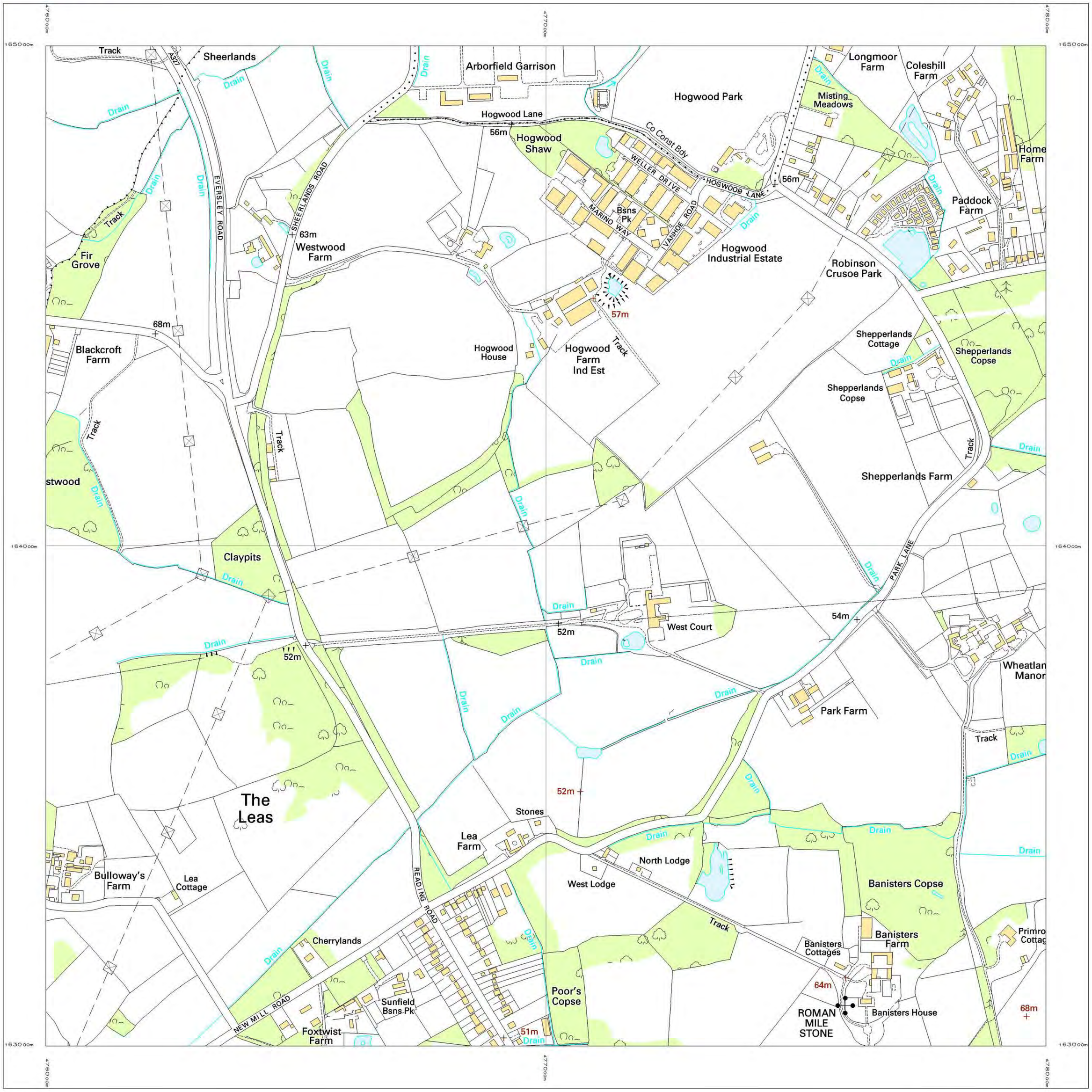
SCALE WHEN PLOTTED AT A3	DRAWING STATUS
1:5000	INFORMATION

DRAWN	CHECKED	DATE	DRAWING NUMBER	REV
TC	RAN	24.07.19	41623/006	A

Ordnance Survey®

OS Landplan®



Plotted 06 Nov 2009 from Ordnance Survey digitally derived data.

Produced using significant survey information from Ordnance Survey large scales digital data, and incorporated into OS Landplan Nov 2008.

Administrative boundaries revised to Oct 2008.

Additional boundaries information:

N

100 50 0 100 200 300 400 500

Metres

Scale 1:5000

This OS Landplan plot is enlarged from derived mapping produced at 1:10000 scale

Heights are given in metres above Newlyn Datum. The representation of a road, track or path is no evidence of a right of way.

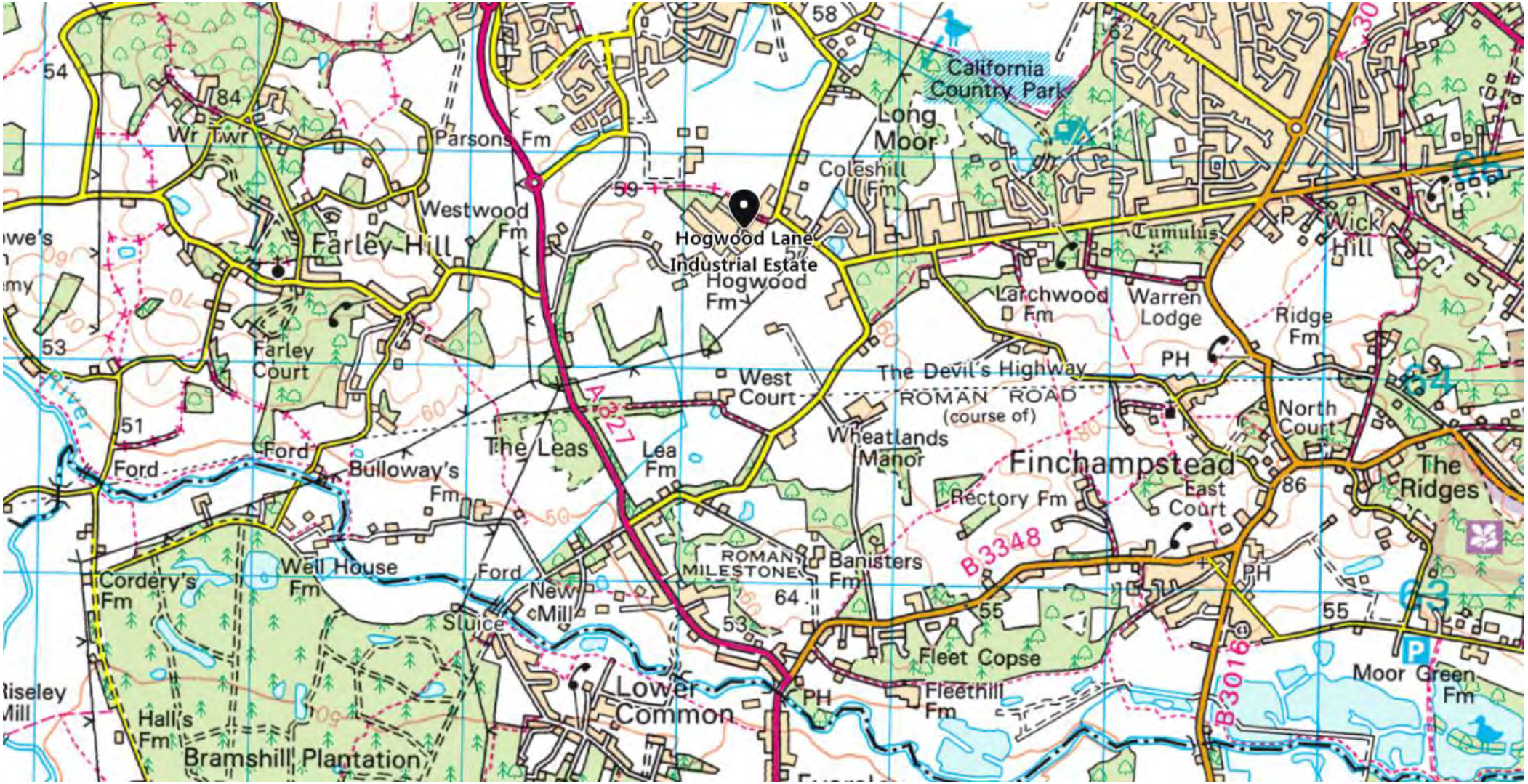
The alignment of tunnels is approximate.

An OS Landplan symbols leaflet is available on request from Ordnance Survey Mapping and Data Centres.

Plot centre coordinates: 477000 164000

Supplied by: Thames Print Room

Plot serial number: 00145800


Hogwood Lane Industrial Estate
California Country Park
Long Moor
Coleshill Fm
Parsons Fm
Westwood Fm
Farley Hill
Hogwood Fm
Cumulus
Wick Hill
Larchwood Fm
Warren Lodge
Ridge Fm
PH
Farley Court
West Court
The Devil's Highway
ROMAN ROAD
(course of)
North Court
A327
River
Ford
The Leas
Lea Fm
Wheatlands Manor
Finchampstead
Bulloway's Fm
Rectory Fm
East Court
The Ridges
B3348
Well House Fm
Ford
ROMAN MILESTONE
Banisters Fm
Cordery's Fm
New Mill
Sluice
Fleet Copse
Fleethill Fm
Moor Green Fm
B3016
Lower Common
Hall's Fm
Bramshill Plantation
Riseley Mill

Appendix 4

Chemical Test Results: 17-19872, 21-37428, 22-33649, 23-05373, 23-12734 and 23-15547 & i2 Analytical Test Results 23-64744, 24-038320 and 24-038329

Tables of Assessment Values:

- Residential with homegrown produce;
- Allotments;
- Public Open Space – Public Park; and
- Public Open Space Near Housing

Chemtest
The right chemistry to deliver results
Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

Final Report

Report No.:	17-19872-1
Initial Date of Issue:	07-Aug-2017
Client	Eastwood & Partners
Client Address:	St. Andrews House 23 Kingfield Road Sheffield South Yorkshire S11 9AS
Contact(s):	Geo Stefani Ellis
Project	41623 Hogwood Farm, Arborfield

Quotation No.:		**Date Received:**	31-Jul-2017
Order No.:	41623/RN/SAE	**Date Instructed:**	31-Jul-2017
No. of Samples:	25		
Turnaround (Wkdays):	5	**Results Due:**	04-Aug-2017
Date Approved:	07-Aug-2017		

[redacted]

Robert Monk, Technical Development Chemist

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Results - Soil

Project: 41623 Hogwood Farm, Arborfield

Client: Eastwood & Partners					**Chemtest Job No.:**	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872
Quotation No.:					**Chemtest Sample ID.:**	490582	490583	490584	490585	490586	490588	490589	490590	490591
					Client Sample ID.:	TP2	TP3	TP6	TP7	TP11	TP14	TP17	TP18	TP20
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	1.70	0.10	0.10	0.10	0.10	0.10	0.10	0.80	0.20
					Date Sampled:	25-Jul-2017	25-Jul-2017	25-Jul-2017	27-Jul-2017	25-Jul-2017	26-Jul-2017	26-Jul-2017	26-Jul-2017	26-Jul-2017
					Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY			COVENTRY	COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
ACM Type	U	2192		N/A			-	-	-			-		-
Asbestos Identification	U	2192	%	0.001			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected			No Asbestos Detected		No Asbestos Detected
Moisture	N	2030	%	0.020	16	14	14	14	15	13	15	15	15	
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	
Other Material	N	2040		N/A	NONE	NONE	Roots	Roots	NONE	Roots	Stones	NONE	Stones	
Soil Texture	N	2040		N/A	Clay	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	
pH	M	2010		N/A	7.5	7.1	5.8	5.9		4.3	6.3	7.2	6.9	
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010							< 0.010		
Total Sulphur	M	2175	%	0.010	< 0.010							< 0.010		
Sulphate (Acid Soluble)	M	2430	%	0.010	< 0.010							< 0.010		
Arsenic	M	2450	mg/kg	1.0	15	10	8.2	8.3		5.4	7.2	13	6.8	
Cadmium	M	2450	mg/kg	0.10	< 0.10	0.11	< 0.10	< 0.10		< 0.10	0.11	< 0.10	0.11	
Chromium	M	2450	mg/kg	1.0	29	19	18	21		18	20	42	20	
Copper	M	2450	mg/kg	0.50	15	8.1	8.6	9.7		7.4	9.2	15	9.2	
Mercury	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Nickel	M	2450	mg/kg	0.50	39	10	8.1	9.1		7.9	9.0	22	9.1	
Lead	M	2450	mg/kg	0.50	13	17	17	19		20	21	13	23	
Selenium	M	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20		< 0.20	< 0.20	< 0.20	< 0.20	
Zinc	M	2450	mg/kg	0.50	46	28	28	33		28	33	46	37	
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10	
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0	

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Results - Soil

Project: 41623 Hogwood Farm, Arborfield

Client: Eastwood & Partners			**Chemtest Job No.:**		17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872
Quotation No.:			**Chemtest Sample ID.:**		490582	490583	490584	490585	490586	490588	490589	490590	490591
			Client Sample ID.:		TP2	TP3	TP6	TP7	TP11	TP14	TP17	TP18	TP20
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		1.70	0.10	0.10	0.10	0.10	0.10	0.10	0.80	0.20
			Date Sampled:		25-Jul-2017	25-Jul-2017	25-Jul-2017	27-Jul-2017	25-Jul-2017	26-Jul-2017	26-Jul-2017	26-Jul-2017	26-Jul-2017
			Asbestos Lab:			COVENTRY	COVENTRY	COVENTRY			COVENTRY	COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Demeton-O	N	2820	mg/kg	0.20					< 0.20				
Phorate	N	2820	mg/kg	0.20					< 0.20				
Demeton-S	N	2820	mg/kg	0.20					< 0.20				
Disulfoton	N	2820	mg/kg	0.20					< 0.20				
Fenthion	N	2820	mg/kg	0.20					< 0.20				
Trichloronate	N	2820	mg/kg	0.20					< 0.20				
Prothiofos	N	2820	mg/kg	0.20					< 0.20				
Fensulphothion	N	2820	mg/kg	0.20					< 0.20				
Sulprofos	N	2820	mg/kg	0.20					< 0.20				
Azinphos-Methyl	N	2820	mg/kg	0.20					< 0.20				
Coumaphos	N	2820	mg/kg	0.20					< 0.20				
Alpha-HCH	N	2840	mg/kg	0.20					< 0.20				
Gamma-HCH (Lindane)	N	2840	mg/kg	0.20					< 0.20				
Beta-HCH	N	2840	mg/kg	0.20					< 0.20				
Delta-HCH	N	2840	mg/kg	0.20					< 0.20				
Heptachlor	N	2840	mg/kg	0.20					< 0.20				
Aldrin	N	2840	mg/kg	0.20					< 0.20				
Heptachlor Epoxide	N	2840	mg/kg	0.20					< 0.20				
Gamma-Chlordane	N	2840	mg/kg	0.20					< 0.20				
Alpha-Chlordane	N	2840	mg/kg	0.20					< 0.20				
Endosulfan I	N	2840	mg/kg	0.20					< 0.20				
4,4-DDE	N	2840	mg/kg	0.20					< 0.20				
Dieldrin	N	2840	mg/kg	0.20					< 0.20				
Endrin	N	2840	mg/kg	0.20					< 0.20				
4,4-DDD	N	2840	mg/kg	0.20					< 0.20				
Endosulfan II	N	2840	mg/kg	0.20					< 0.20				
Endrin Aldehyde	N	2840	mg/kg	0.20					< 0.20				
4,4-DDT	N	2840	mg/kg	0.20					< 0.20				
Endosulfan Sulphate	N	2840	mg/kg	0.20					< 0.20				
Methoxychlor	N	2840	mg/kg	0.20					< 0.20				
Endrin Ketone	N	2840	mg/kg	0.20					< 0.20				

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Results - Soil

Project: 41623 Hogwood Farm, Arborfield

Client: Eastwood & Partners				**Chemtest Job No.:**	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872
Quotation No.:				**Chemtest Sample ID.:**	490592	490593	490594	490595	490596	490597	490598	490599	490600
				Client Sample ID.:	TP21	TP23	TP25	TP27	TP27	TP29	TP30	TP31	TP35
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):	0.70	0.10	0.30	0.10	0.60	1.30	0.10	0.40	0.10
				Date Sampled:	26-Jul-2017	26-Jul-2017	26-Jul-2017	27-Jul-2017	27-Jul-2017	26-Jul-2017	27-Jul-2017	27-Jul-2017	27-Jul-2017
				Asbestos Lab:	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A				-			-		
Asbestos Identification	U	2192	%	0.001				No Asbestos Detected			No Asbestos Detected		
Moisture	N	2030	%	0.020	13	16	14	18	15	18	17	8.9	17
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Clay	Clay	Sand	Sand	Sand
pH	M	2010		N/A	7.2	6.6	6.6	6.3	6.6	7.4	6.7	7.2	6.0
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010		< 0.010		< 0.010	< 0.010		< 0.010	
Total Sulphur	M	2175	%	0.010	< 0.010		0.026		< 0.010	< 0.010		< 0.010	
Sulphate (Acid Soluble)	M	2430	%	0.010	< 0.010		< 0.010		< 0.010	< 0.010		< 0.010	
Arsenic	M	2450	mg/kg	1.0	9.9	9.0	2.5	5.7	7.7	7.9	4.2	4.2	4.7
Cadmium	M	2450	mg/kg	0.10	< 0.10	0.12	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2450	mg/kg	1.0	32	22	8.9	16	19	23	7.7	10	14
Copper	M	2450	mg/kg	0.50	13	9.5	4.6	6.3	6.4	9.7	8.4	2.1	8.7
Mercury	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	M	2450	mg/kg	0.50	26	8.9	4.1	6.6	8.6	30	3.5	5.3	6.1
Lead	M	2450	mg/kg	0.50	11	17	9.1	15	9.7	8.3	22	6.8	23
Selenium	M	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Zinc	M	2450	mg/kg	0.50	43	34	16	23	23	27	36	14	33
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.94	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.7	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.5	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.11	< 0.10	< 0.10	0.73	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10	< 0.10	0.70	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.98	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.24	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.79	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.45	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.48	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	9.0	< 2.0	< 2.0

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Results - Soil

Project: 41623 Hogwood Farm, Arborfield

Client: Eastwood & Partners			**Chemtest Job No.:**		17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872
Quotation No.:			**Chemtest Sample ID.:**		490592	490593	490594	490595	490596	490597	490598	490599	490600
			Client Sample ID.:		TP21	TP23	TP25	TP27	TP27	TP29	TP30	TP31	TP35
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.70	0.10	0.30	0.10	0.60	1.30	0.10	0.40	0.10
			Date Sampled:		26-Jul-2017	26-Jul-2017	26-Jul-2017	27-Jul-2017	27-Jul-2017	26-Jul-2017	27-Jul-2017	27-Jul-2017	27-Jul-2017
			Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Demeton-O	N	2820	mg/kg	0.20									
Phorate	N	2820	mg/kg	0.20									
Demeton-S	N	2820	mg/kg	0.20									
Disulfoton	N	2820	mg/kg	0.20									
Fenthion	N	2820	mg/kg	0.20									
Trichloronate	N	2820	mg/kg	0.20									
Prothiofos	N	2820	mg/kg	0.20									
Fensulphothion	N	2820	mg/kg	0.20									
Sulprofos	N	2820	mg/kg	0.20									
Azinphos-Methyl	N	2820	mg/kg	0.20									
Coumaphos	N	2820	mg/kg	0.20									
Alpha-HCH	N	2840	mg/kg	0.20									
Gamma-HCH (Lindane)	N	2840	mg/kg	0.20									
Beta-HCH	N	2840	mg/kg	0.20									
Delta-HCH	N	2840	mg/kg	0.20									
Heptachlor	N	2840	mg/kg	0.20									
Aldrin	N	2840	mg/kg	0.20									
Heptachlor Epoxide	N	2840	mg/kg	0.20									
Gamma-Chlordane	N	2840	mg/kg	0.20									
Alpha-Chlordane	N	2840	mg/kg	0.20									
Endosulfan I	N	2840	mg/kg	0.20									
4,4-DDE	N	2840	mg/kg	0.20									
Dieldrin	N	2840	mg/kg	0.20									
Endrin	N	2840	mg/kg	0.20									
4,4-DDD	N	2840	mg/kg	0.20									
Endosulfan II	N	2840	mg/kg	0.20									
Endrin Aldehyde	N	2840	mg/kg	0.20									
4,4-DDT	N	2840	mg/kg	0.20									
Endosulfan Sulphate	N	2840	mg/kg	0.20									
Methoxychlor	N	2840	mg/kg	0.20									
Endrin Ketone	N	2840	mg/kg	0.20									

Chemtest
The right chemistry to deliver results

Results - Soil

Project: 41623 Hogwood Farm, Arborfield

Client: Eastwood & Partners			**Chemtest Job No.:**		17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872
Quotation No.:			**Chemtest Sample ID.:**		490601	490602	490603	490604	490605	490606	490607
			Client Sample ID.:		TP36	TP37	TP39	TP41	TP42	TP43	TP45
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.10	0.10	0.10	0.20	1.00	0.10	0.70
			Date Sampled:		27-Jul-2017	26-Jul-2017	26-Jul-2017	27-Jul-2017	27-Jul-2017	27-Jul-2017	27-Jul-2017
			Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
ACM Type	U	2192		N/A	-			-			
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected			No Asbestos Detected			
Moisture	N	2030	%	0.020	15	16	20	17	19	13	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	NONE	Stones	Stones	NONE	NONE	NONE, 490W06
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Clay	Sand	Clay
pH	M	2010		N/A	6.0	6.3		7.2	7.3	6.4	7.1
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010					< 0.010		< 0.010
Total Sulphur	M	2175	%	0.010					0.010		< 0.010
Sulphate (Acid Soluble)	M	2430	%	0.010					< 0.010		< 0.010
Arsenic	M	2450	mg/kg	1.0	7.7	6.2		8.3	31	5.3	13
Cadmium	M	2450	mg/kg	0.10	0.11	< 0.10		0.30	0.12	0.18	< 0.10
Chromium	M	2450	mg/kg	1.0	22	18		22	24	15	40
Copper	M	2450	mg/kg	0.50	7.4	7.7		20	13	14	16
Mercury	M	2450	mg/kg	0.10	< 0.10	< 0.10		0.11	< 0.10	< 0.10	< 0.10
Nickel	M	2450	mg/kg	0.50	7.7	7.8		9.4	53	8.5	19
Lead	M	2450	mg/kg	0.50	24	17		23	9.9	20	16
Selenium	M	2450	mg/kg	0.20	< 0.20	< 0.20		< 0.20	< 0.20	< 0.20	< 0.20
Zinc	M	2450	mg/kg	0.50	31	28		49	43	33	49
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10		< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0		< 2.0	< 2.0	< 2.0	< 2.0

Chemtest
The right chemistry to deliver results

Results - Soil

Project: 41623 Hogwood Farm, Arborfield

Client: Eastwood & Partners			**Chemtest Job No.:**		17-19872	17-19872	17-19872	17-19872	17-19872	17-19872	17-19872
Quotation No.:			**Chemtest Sample ID.:**		490601	490602	490603	490604	490605	490606	490607
			Client Sample ID.:		TP36	TP37	TP39	TP41	TP42	TP43	TP45
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.10	0.10	0.10	0.20	1.00	0.10	0.70
			Date Sampled:		27-Jul-2017	26-Jul-2017	26-Jul-2017	27-Jul-2017	27-Jul-2017	27-Jul-2017	27-Jul-2017
			Asbestos Lab:		COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
Demeton-O	N	2820	mg/kg	0.20			< 0.20				
Phorate	N	2820	mg/kg	0.20			< 0.20				
Demeton-S	N	2820	mg/kg	0.20			< 0.20				
Disulfoton	N	2820	mg/kg	0.20			< 0.20				
Fenthion	N	2820	mg/kg	0.20			< 0.20				
Trichloronate	N	2820	mg/kg	0.20			< 0.20				
Prothiofos	N	2820	mg/kg	0.20			< 0.20				
Fensulphothion	N	2820	mg/kg	0.20			< 0.20				
Sulprofos	N	2820	mg/kg	0.20			< 0.20				
Azinphos-Methyl	N	2820	mg/kg	0.20			< 0.20				
Coumaphos	N	2820	mg/kg	0.20			< 0.20				
Alpha-HCH	N	2840	mg/kg	0.20			< 0.20				
Gamma-HCH (Lindane)	N	2840	mg/kg	0.20			< 0.20				
Beta-HCH	N	2840	mg/kg	0.20			< 0.20				
Delta-HCH	N	2840	mg/kg	0.20			< 0.20				
Heptachlor	N	2840	mg/kg	0.20			< 0.20				
Aldrin	N	2840	mg/kg	0.20			< 0.20				
Heptachlor Epoxide	N	2840	mg/kg	0.20			< 0.20				
Gamma-Chlordane	N	2840	mg/kg	0.20			< 0.20				
Alpha-Chlordane	N	2840	mg/kg	0.20			< 0.20				
Endosulfan I	N	2840	mg/kg	0.20			< 0.20				
4,4-DDE	N	2840	mg/kg	0.20			< 0.20				
Dieldrin	N	2840	mg/kg	0.20			< 0.20				
Endrin	N	2840	mg/kg	0.20			< 0.20				
4,4-DDD	N	2840	mg/kg	0.20			< 0.20				
Endosulfan II	N	2840	mg/kg	0.20			< 0.20				
Endrin Aldehyde	N	2840	mg/kg	0.20			< 0.20				
4,4-DDT	N	2840	mg/kg	0.20			< 0.20				
Endosulfan Sulphate	N	2840	mg/kg	0.20			< 0.20				
Methoxychlor	N	2840	mg/kg	0.20			< 0.20				
Endrin Ketone	N	2840	mg/kg	0.20			< 0.20				

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS
2820	Organophosphorus (O-P) Pesticides in Soils by GC-MS	Organophosphorus pesticide representative suite including Parathion, Malathion etc, plus client specific determinands	Dichloromethane extraction / GC-MS
2840	Organochlorine (O-Cl) Pesticides in Soils by GC-MS	Organochlorine pesticide representative suite including DDT and its metabolites, 'drins' and HCH etc, plus client specific determinands	Dichloromethane extraction / GC-MS

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis
The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols
For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307010	1307011	1307012	1307013	1307014	1307015	1307016	1307017	1307018
Order No.:			Client Sample Ref.:		TS	NG	TS	TS	NG	TS	TS	NG	TS
			Sample Location:		TP314	TP314	TP316	TP317	TP317	TP318	TP319	TP319	TP327
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.2	1.6	0.2	0.2	1.2	0.3	0.4	1.3	0.2
			Bottom Depth (m):		0.2	1.6	0.2	0.2	1.0	0.3	0.4	1.3	0.2
			Date Sampled:		19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	20-Oct-2021	20-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A									
Asbestos Identification	U	2192		N/A									
Moisture	N	2030	%	0.020	15	15	16	17	17	20	17	14	18
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Roots	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Clay	Sand	Clay	Clay	Loam	Clay	Clay	Clay
pH	M	2010		4.0	7.9	8.4	7.4	6.2	6.6	7.3	6.9	6.2	6.6
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010		< 0.010			< 0.010			0.045	
Total Sulphur	M	2175	%	0.010		< 0.010			< 0.010			< 0.010	
Sulphate (Acid Soluble)	M	2430	%	0.010		< 0.010			< 0.010			0.028	
Arsenic	M	2450	mg/kg	1.0	5.9	15	4.8	4.6	11	5.0	3.7	21	5.2
Cadmium	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2450	mg/kg	1.0	13	27	8.3	11	29	14	8.6	23	14
Copper	M	2450	mg/kg	0.50	40	31	24	16	47	23	45	33	20
Mercury	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	M	2450	mg/kg	0.50	7.0	36	5.1	5.7	23	5.6	4.2	32	6.3
Lead	M	2450	mg/kg	0.50	25	16	18	23	15	29	20	18	28
Selenium	M	2450	mg/kg	0.20	< 0.20	0.26	0.20	0.20	< 0.20	< 0.20	< 0.20	0.26	< 0.20
Zinc	M	2450	mg/kg	0.50	26	42	16	18	49	21	24	51	38
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20						1.1			
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0					< 1.0				
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0					< 5.0				
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0					< 1.0				
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0					< 5.0				

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307010	1307011	1307012	1307013	1307014	1307015	1307016	1307017	1307018
Order No.:			Client Sample Ref.:		TS	NG	TS	TS	NG	TS	TS	NG	TS
			Sample Location:		TP314	TP314	TP316	TP317	TP317	TP318	TP319	TP319	TP327
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.2	1.6	0.2	0.2	1.2	0.3	0.4	1.3	0.2
			Bottom Depth (m):		0.2	1.6	0.2	0.2	1.0	0.3	0.4	1.3	0.2
			Date Sampled:		19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	20-Oct-2021	20-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0					< 10				
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Demeton-O	N	2820	mg/kg	0.20						< 0.20			
Phorate	N	2820	mg/kg	0.20						< 0.20			
Demeton-S	N	2820	mg/kg	0.20						< 0.20			
Disulfoton	N	2820	mg/kg	0.20						< 0.20			
Fenthion	N	2820	mg/kg	0.20						< 0.20			
Trichloronate	N	2820	mg/kg	0.20						< 0.20			
Prothiofos	N	2820	mg/kg	0.20						< 0.20			
Fensulphothion	N	2820	mg/kg	0.20						< 0.20			
Sulprofos	N	2820	mg/kg	0.20						< 0.20			
Azinphos-Methyl	N	2820	mg/kg	0.20						< 0.20			
Coumaphos	N	2820	mg/kg	0.20						< 0.20			
Alpha-HCH	N	2840	mg/kg	0.20						< 0.20			
Gamma-HCH (Lindane)	N	2840	mg/kg	0.20						< 0.20			
Beta-HCH	N	2840	mg/kg	0.20						< 0.20			
Delta-HCH	N	2840	mg/kg	0.20						< 0.20			
Heptachlor	N	2840	mg/kg	0.20						< 0.20			
Aldrin	N	2840	mg/kg	0.20						< 0.20			
Heptachlor Epoxide	N	2840	mg/kg	0.20						< 0.20			
Gamma-Chlordane	N	2840	mg/kg	0.20						< 0.20			
Alpha-Chlordane	N	2840	mg/kg	0.20						< 0.20			
Endosulfan I	N	2840	mg/kg	0.20						< 0.20			
4,4-DDE	N	2840	mg/kg	0.20						< 0.20			

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307010	1307011	1307012	1307013	1307014	1307015	1307016	1307017	1307018
Order No.:			Client Sample Ref.:		TS	NG	TS	TS	NG	TS	TS	NG	TS
			Sample Location:		TP314	TP314	TP316	TP317	TP317	TP318	TP319	TP319	TP327
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.2	1.6	0.2	0.2	1.2	0.3	0.4	1.3	0.2
			Bottom Depth (m):		0.2	1.6	0.2	0.2	1.0	0.3	0.4	1.3	0.2
			Date Sampled:		19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	19-Oct-2021	20-Oct-2021	20-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Dieldrin	N	2840	mg/kg	0.20						< 0.20			
Endrin	N	2840	mg/kg	0.20						< 0.20			
4,4-DDD	N	2840	mg/kg	0.20						< 0.20			
Endosulfan II	N	2840	mg/kg	0.20						< 0.20			
Endrin Aldehyde	N	2840	mg/kg	0.20						< 0.20			
4,4-DDT	N	2840	mg/kg	0.20						< 0.20			
Endosulfan Sulphate	N	2840	mg/kg	0.20						< 0.20			
Methoxychlor	N	2840	mg/kg	0.20						< 0.20			
Endrin Ketone	N	2840	mg/kg	0.20						< 0.20			

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307019	1307020	1307021	1307022	1307023	1307024	1307025	1307026	1307027
Order No.:			Client Sample Ref.:		NG	TS	TS	TS	NG	TS	TS	NG	TS
			Sample Location:		TP327	TP328	TP330	TP331	TP332	TP333	TP334	TP334	TP337
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		1.0	0.3	0.3	0.2	0.8	0.4	0.25	0.5	0.35
			Bottom Depth (m):		1.0	0.3	0.3	0.2	0.8	0.4	0.25	0.5	0.35
			Date Sampled:		20-Oct-2021	20-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A									
Asbestos Identification	U	2192		N/A									
Moisture	N	2030	%	0.020	16	21	15	15	12	13	18	15	17
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Roots	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Loam	Sand	Sand	Clay	Sand	Sand	Clay	Sand
pH	M	2010		4.0	6.7	7.7	7.1	7.2	7.3	7.5	7.3	7.6	7.9
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010				< 0.010			< 0.010	
Total Sulphur	M	2175	%	0.010	< 0.010				< 0.010			< 0.010	
Sulphate (Acid Soluble)	M	2430	%	0.010	0.020				< 0.010			0.011	
Arsenic	M	2450	mg/kg	1.0	3.8	15	4.3	7.1	2.3	3.0	7.8	3.5	4.0
Cadmium	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2450	mg/kg	1.0	10	38	9.3	14	3.7	5.2	8.6	6.9	10
Copper	M	2450	mg/kg	0.50	24	100	70	55	38	40	44	20	8.3
Mercury	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	M	2450	mg/kg	0.50	5.1	15	4.9	7.3	2.4	2.8	4.1	2.9	4.5
Lead	M	2450	mg/kg	0.50	23	18	28	9.7	12	19	12	16	26
Selenium	M	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.28	< 0.20	< 0.20
Zinc	M	2450	mg/kg	0.50	26	37	30	26	14	20	15	21	24
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20						0.59			
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0					4.6				
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0					56				
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0					< 1.0				
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0					60				
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0					9.1				
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0					54				
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0					< 1.0				
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0					63				

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307019	1307020	1307021	1307022	1307023	1307024	1307025	1307026	1307027
Order No.:			Client Sample Ref.:		NG	TS	TS	TS	NG	TS	TS	NG	TS
			Sample Location:		TP327	TP328	TP330	TP331	TP332	TP333	TP334	TP334	TP337
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		1.0	0.3	0.3	0.2	0.8	0.4	0.25	0.5	0.35
			Bottom Depth (m):		1.0	0.3	0.3	0.2	0.8	0.4	0.25	0.5	0.35
			Date Sampled:		20-Oct-2021	20-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0					120				
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	0.56	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	0.59	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	0.31	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	0.25	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	0.36	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	0.13	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	0.44	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	2.6	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Demeton-O	N	2820	mg/kg	0.20						< 0.20			
Phorate	N	2820	mg/kg	0.20						< 0.20			
Demeton-S	N	2820	mg/kg	0.20						< 0.20			
Disulfoton	N	2820	mg/kg	0.20						< 0.20			
Fenthion	N	2820	mg/kg	0.20						< 0.20			
Trichloronate	N	2820	mg/kg	0.20						< 0.20			
Prothiofos	N	2820	mg/kg	0.20						< 0.20			
Fensulphothion	N	2820	mg/kg	0.20						< 0.20			
Sulprofos	N	2820	mg/kg	0.20						< 0.20			
Azinphos-Methyl	N	2820	mg/kg	0.20						< 0.20			
Coumaphos	N	2820	mg/kg	0.20						< 0.20			
Alpha-HCH	N	2840	mg/kg	0.20						< 0.20			
Gamma-HCH (Lindane)	N	2840	mg/kg	0.20						< 0.20			
Beta-HCH	N	2840	mg/kg	0.20						< 0.20			
Delta-HCH	N	2840	mg/kg	0.20						< 0.20			
Heptachlor	N	2840	mg/kg	0.20						< 0.20			
Aldrin	N	2840	mg/kg	0.20						< 0.20			
Heptachlor Epoxide	N	2840	mg/kg	0.20						< 0.20			
Gamma-Chlordane	N	2840	mg/kg	0.20						< 0.20			
Alpha-Chlordane	N	2840	mg/kg	0.20						< 0.20			
Endosulfan I	N	2840	mg/kg	0.20						< 0.20			
4,4-DDE	N	2840	mg/kg	0.20						< 0.20			

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307019	1307020	1307021	1307022	1307023	1307024	1307025	1307026	1307027
Order No.:			Client Sample Ref.:		NG	TS	TS	TS	NG	TS	TS	NG	TS
			Sample Location:		TP327	TP328	TP330	TP331	TP332	TP333	TP334	TP334	TP337
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		1.0	0.3	0.3	0.2	0.8	0.4	0.25	0.5	0.35
			Bottom Depth (m):		1.0	0.3	0.3	0.2	0.8	0.4	0.25	0.5	0.35
			Date Sampled:		20-Oct-2021	20-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Dieldrin	N	2840	mg/kg	0.20						< 0.20			
Endrin	N	2840	mg/kg	0.20						< 0.20			
4,4-DDD	N	2840	mg/kg	0.20						< 0.20			
Endosulfan II	N	2840	mg/kg	0.20						< 0.20			
Endrin Aldehyde	N	2840	mg/kg	0.20						< 0.20			
4,4-DDT	N	2840	mg/kg	0.20						< 0.20			
Endosulfan Sulphate	N	2840	mg/kg	0.20						< 0.20			
Methoxychlor	N	2840	mg/kg	0.20						< 0.20			
Endrin Ketone	N	2840	mg/kg	0.20						< 0.20			

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307028	1307029	1307030	1307031	1307032	1307033	1307034	1307035	1307036
Order No.:			Client Sample Ref.:		TS	TS	NG	TS	NG	TS	TS	NG	TS
			Sample Location:		TP338	TP340	TP340	TP341	TP342	TP343	TP347	TP348	TP349
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.2	0.2	0.6	0.25	0.85	0.2	0.3	1.1	0.5
			Bottom Depth (m):		0.2	0.2	0.6	0.25	0.85	0.2	0.3	1.1	0.5
			Date Sampled:		21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	22-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A									
Asbestos Identification	U	2192		N/A									
Moisture	N	2030	%	0.020	19	14	18	18	15	17	14	19	17
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Roots	Stones	Roots	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Clay	Clay	Clay	Loam	Clay	Sand	Clay
pH	M	2010		4.0	7.6	7.4	7.4	7.7	7.8	7.2	7.3	6.6	7.8
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010			< 0.010		< 0.010			< 0.010	
Total Sulphur	M	2175	%	0.010			< 0.010		< 0.010			0.022	
Sulphate (Acid Soluble)	M	2430	%	0.010			< 0.010		< 0.010			0.030	
Arsenic	M	2450	mg/kg	1.0	4.3	7.7	3.7	7.6	7.4	8.6	7.7	5.7	5.8
Cadmium	M	2450	mg/kg	0.10	4.2	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2450	mg/kg	1.0	7.6	19	6.2	17	15	18	18	11	14
Copper	M	2450	mg/kg	0.50	22	23	7.5	14	21	18	20	34	20
Mercury	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	M	2450	mg/kg	0.50	4.3	8.9	3.4	8.2	6.5	7.0	6.9	6.8	6.6
Lead	M	2450	mg/kg	0.50	30	8.2	14	6.5	52	19	20	53	24
Selenium	M	2450	mg/kg	0.20	0.68	0.21	< 0.20	< 0.20	< 0.20	0.24	0.22	< 0.20	< 0.20
Zinc	M	2450	mg/kg	0.50	56	31	37	21	37	33	35	41	25
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20									
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0					4.7				
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0					< 1.0				
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0					58				
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0					< 1.0				
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0					63				
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0					< 1.0				
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0					9.4				
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0					56				
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0					< 1.0				
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0					65				

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307028	1307029	1307030	1307031	1307032	1307033	1307034	1307035	1307036
Order No.:			Client Sample Ref.:		TS	TS	NG	TS	NG	TS	TS	NG	TS
			Sample Location:		TP338	TP340	TP340	TP341	TP342	TP343	TP347	TP348	TP349
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.2	0.2	0.6	0.25	0.85	0.2	0.3	1.1	0.5
			Bottom Depth (m):		0.2	0.2	0.6	0.25	0.85	0.2	0.3	1.1	0.5
			Date Sampled:		21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	22-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0					130				
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.90	0.60	0.97	0.44	< 0.10	1.6
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.26	0.16	0.20	0.30	< 0.10	0.18
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.21	0.17	0.33	0.40	< 0.10	0.52
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.28	0.15	0.26	0.41	< 0.10	0.44
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	2.1	3.5	1.3	2.0	2.8	< 0.10	3.0
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.86	1.4	0.39	0.77	0.96	< 0.10	0.87
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	4.8	9.0	3.5	6.2	6.0	< 0.10	4.4
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	5.4	8.4	3.3	5.9	5.5	< 0.10	3.5
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	2.6	4.6	1.8	3.4	2.6	< 0.10	2.0
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	2.6	4.4	1.8	3.3	3.0	< 0.10	2.5
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	4.4	7.1	2.9	6.2	4.2	< 0.10	2.9
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	1.5	2.4	1.1	2.7	1.9	< 0.10	1.0
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	4.0	6.1	2.7	5.9	3.7	< 0.10	2.4
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	3.0	4.7	1.9	4.4	2.7	< 0.10	1.9
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	0.55	1.1	0.62	0.73	0.55	< 0.10	0.43
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	3.1	4.0	2.1	4.0	2.3	< 0.10	1.6
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	35	58	25	47	38	< 2.0	29
Demeton-O	N	2820	mg/kg	0.20									
Phorate	N	2820	mg/kg	0.20									
Demeton-S	N	2820	mg/kg	0.20									
Disulfoton	N	2820	mg/kg	0.20									
Fenthion	N	2820	mg/kg	0.20									
Trichloronate	N	2820	mg/kg	0.20									
Prothiofos	N	2820	mg/kg	0.20									
Fensulphothion	N	2820	mg/kg	0.20									
Sulprofos	N	2820	mg/kg	0.20									
Azinphos-Methyl	N	2820	mg/kg	0.20									
Coumaphos	N	2820	mg/kg	0.20									
Alpha-HCH	N	2840	mg/kg	0.20									
Gamma-HCH (Lindane)	N	2840	mg/kg	0.20									
Beta-HCH	N	2840	mg/kg	0.20									
Delta-HCH	N	2840	mg/kg	0.20									
Heptachlor	N	2840	mg/kg	0.20									
Aldrin	N	2840	mg/kg	0.20									
Heptachlor Epoxide	N	2840	mg/kg	0.20									
Gamma-Chlordane	N	2840	mg/kg	0.20									
Alpha-Chlordane	N	2840	mg/kg	0.20									
Endosulfan I	N	2840	mg/kg	0.20									
4,4-DDE	N	2840	mg/kg	0.20									

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307028	1307029	1307030	1307031	1307032	1307033	1307034	1307035	1307036
Order No.:			Client Sample Ref.:		TS	TS	NG	TS	NG	TS	TS	NG	TS
			Sample Location:		TP338	TP340	TP340	TP341	TP342	TP343	TP347	TP348	TP349
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.2	0.2	0.6	0.25	0.85	0.2	0.3	1.1	0.5
			Bottom Depth (m):		0.2	0.2	0.6	0.25	0.85	0.2	0.3	1.1	0.5
			Date Sampled:		21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	21-Oct-2021	22-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Dieldrin	N	2840	mg/kg	0.20									
Endrin	N	2840	mg/kg	0.20									
4,4-DDD	N	2840	mg/kg	0.20									
Endosulfan II	N	2840	mg/kg	0.20									
Endrin Aldehyde	N	2840	mg/kg	0.20									
4,4-DDT	N	2840	mg/kg	0.20									
Endosulfan Sulphate	N	2840	mg/kg	0.20									
Methoxychlor	N	2840	mg/kg	0.20									
Endrin Ketone	N	2840	mg/kg	0.20									

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307037	1307038	1307039	1307040	1307041	1307042	1307043	1307044	1307045
Order No.:			Client Sample Ref.:		NG	TS	TS	NG	TS	TS	NG	TS	TS
			Sample Location:		TP349	TP350	TP352	TP352	TP353	TP355	TP355	TP356	TP358
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		1.1	0.1	0.2	2.9	0.3	0.5	1.1	0.3	0.6
			Bottom Depth (m):		1.1	0.1	0.2	2.9	0.3	0.5	1.1	0.3	0.6
			Date Sampled:		22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A									
Asbestos Identification	U	2192		N/A									
Moisture	N	2030	%	0.020	15	22	17	17	19	20	21	25	21
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Loam	Loam	Clay	Sand	Loam	Clay	Loam	Sand
pH	M	2010		4.0	8.1	7.4	6.9	7.4	7.0	7.6	7.3	7.3	7.4
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010			0.029			0.033		
Total Sulphur	M	2175	%	0.010	< 0.010			< 0.010			< 0.010		
Sulphate (Acid Soluble)	M	2430	%	0.010	< 0.010			< 0.010			0.018		
Arsenic	M	2450	mg/kg	1.0	8.0	3.3	4.6	9.4	4.4	7.2	20	8.4	7.0
Cadmium	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2450	mg/kg	1.0	20	11	11	23	8.1	15	50	18	17
Copper	M	2450	mg/kg	0.50	32	120	18	18	8.7	19	71	14	8.7
Mercury	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	M	2450	mg/kg	0.50	7.4	5.1	4.6	34	3.9	6.1	30	6.8	5.6
Lead	M	2450	mg/kg	0.50	10	25	16	9.8	13	28	29	23	25
Selenium	M	2450	mg/kg	0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Zinc	M	2450	mg/kg	0.50	21	26	24	38	16	42	72	52	33
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20									
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0				< 1.0					
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0				< 1.0					
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0				< 1.0					
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0				< 1.0					
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0				9.1					
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0				< 1.0					
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0				73					
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0				< 1.0					
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0				82					
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0				< 1.0					
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0				< 1.0					
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0				< 1.0					
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0				< 1.0					
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0				< 1.0					
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0				7.0					
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0				82					
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0				< 1.0					
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0				89					

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307037	1307038	1307039	1307040	1307041	1307042	1307043	1307044	1307045
Order No.:			Client Sample Ref.:		NG	TS	TS	NG	TS	TS	NG	TS	TS
			Sample Location:		TP349	TP350	TP352	TP352	TP353	TP355	TP355	TP356	TP358
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		1.1	0.1	0.2	2.9	0.3	0.5	1.1	0.3	0.6
			Bottom Depth (m):		1.1	0.1	0.2	2.9	0.3	0.5	1.1	0.3	0.6
			Date Sampled:		22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0				170					
Naphthalene	M	2800	mg/kg	0.10	0.50	1.8	1.3	1.6	1.1	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	0.31	0.22	0.10	0.17	0.11	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	0.30	0.63	0.98	0.43	0.59	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	0.32	0.54	0.68	0.34	0.38	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	2.4	3.1	4.6	2.6	2.8	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	0.62	0.90	0.79	0.71	0.78	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	5.3	4.3	4.8	3.8	3.6	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	4.8	4.1	4.2	3.8	3.1	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	2.4	2.1	1.9	1.7	1.5	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	2.4	2.1	2.2	2.0	1.6	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	4.2	3.1	2.4	2.6	2.3	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	1.5	1.1	0.87	1.6	0.73	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	3.3	2.5	2.2	2.5	1.9	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	2.3	1.8	1.6	1.4	1.4	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	0.55	0.42	0.28	0.26	0.12	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	2.1	1.6	1.5	1.6	1.3	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	33	30	30	27	23	< 2.0	< 2.0	< 2.0	< 2.0
Demeton-O	N	2820	mg/kg	0.20									
Phorate	N	2820	mg/kg	0.20									
Demeton-S	N	2820	mg/kg	0.20									
Disulfoton	N	2820	mg/kg	0.20									
Fenthion	N	2820	mg/kg	0.20									
Trichloronate	N	2820	mg/kg	0.20									
Prothiofos	N	2820	mg/kg	0.20									
Fensulphothion	N	2820	mg/kg	0.20									
Sulprofos	N	2820	mg/kg	0.20									
Azinphos-Methyl	N	2820	mg/kg	0.20									
Coumaphos	N	2820	mg/kg	0.20									
Alpha-HCH	N	2840	mg/kg	0.20									
Gamma-HCH (Lindane)	N	2840	mg/kg	0.20									
Beta-HCH	N	2840	mg/kg	0.20									
Delta-HCH	N	2840	mg/kg	0.20									
Heptachlor	N	2840	mg/kg	0.20									
Aldrin	N	2840	mg/kg	0.20									
Heptachlor Epoxide	N	2840	mg/kg	0.20									
Gamma-Chlordane	N	2840	mg/kg	0.20									
Alpha-Chlordane	N	2840	mg/kg	0.20									
Endosulfan I	N	2840	mg/kg	0.20									
4,4-DDE	N	2840	mg/kg	0.20									

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307037	1307038	1307039	1307040	1307041	1307042	1307043	1307044	1307045
Order No.:			Client Sample Ref.:		NG	TS	TS	NG	TS	TS	NG	TS	TS
			Sample Location:		TP349	TP350	TP352	TP352	TP353	TP355	TP355	TP356	TP358
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		1.1	0.1	0.2	2.9	0.3	0.5	1.1	0.3	0.6
			Bottom Depth (m):		1.1	0.1	0.2	2.9	0.3	0.5	1.1	0.3	0.6
			Date Sampled:		22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Dieldrin	N	2840	mg/kg	0.20									
Endrin	N	2840	mg/kg	0.20									
4,4-DDD	N	2840	mg/kg	0.20									
Endosulfan II	N	2840	mg/kg	0.20									
Endrin Aldehyde	N	2840	mg/kg	0.20									
4,4-DDT	N	2840	mg/kg	0.20									
Endosulfan Sulphate	N	2840	mg/kg	0.20									
Methoxychlor	N	2840	mg/kg	0.20									
Endrin Ketone	N	2840	mg/kg	0.20									

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307046	1307047	1307048	1307049	1307050	1307051	1307052	1307053	1307054
Order No.:			Client Sample Ref.:		NG	TS	TS	NG	TS	TS	NG	MG	MG
			Sample Location:		TP358	TP359	TP361	TP361	TP362	TP364	TP364	TP312A	TP312A
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.9	0.4	0.5	0.9	0.3	0.4	2.0	0.4	1.1
			Bottom Depth (m):		0.9	0.4	0.5	0.9	0.3	0.4	2.0	0.4	1.1
			Date Sampled:		22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021
			Asbestos Lab:									COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A								-	-
Asbestos Identification	U	2192		N/A								No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	15	16	16	16	21	15	13	11	10
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Clay	Sand	Clay	Clay	Loam	Loam	Clay	Sand	Sand
pH	M	2010		4.0	8.0	7.6	7.8	8.0	7.1	7.5	7.7	7.5	7.6
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010			< 0.010			< 0.010	0.19	0.30
Total Sulphur	M	2175	%	0.010	< 0.010			< 0.010			< 0.010	0.010	0.020
Sulphate (Acid Soluble)	M	2430	%	0.010	0.014			0.010			< 0.010	0.031	0.045
Arsenic	M	2450	mg/kg	1.0	12	10	5.5	10	4.3	2.4	5.5	5.0	6.7
Cadmium	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2450	mg/kg	1.0	26	16	12	22	9.9	8.0	15	19	23
Copper	M	2450	mg/kg	0.50	37	9.8	12	25	13	10	14	13	12
Mercury	M	2450	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Nickel	M	2450	mg/kg	0.50	13	4.6	4.1	7.1	4.0	4.0	19	5.6	6.8
Lead	M	2450	mg/kg	0.50	15	16	8.1	10	14	8.9	6.2	7.3	6.6
Selenium	M	2450	mg/kg	0.20	0.28	0.28	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.23	< 0.20
Zinc	M	2450	mg/kg	0.50	40	42	18	25	21	16	24	19	20
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Total Organic Carbon	M	2625	%	0.20									
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0									< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0									< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0									< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0									< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0									< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0									< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0									3.8
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0									< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0									< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0									< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0									< 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0									< 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0									< 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0									< 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0									10
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0									86
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0									< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0									96

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307046	1307047	1307048	1307049	1307050	1307051	1307052	1307053	1307054
Order No.:			Client Sample Ref.:		NG	TS	TS	NG	TS	TS	NG	MG	MG
			Sample Location:		TP358	TP359	TP361	TP361	TP362	TP364	TP364	TP312A	TP312A
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.9	0.4	0.5	0.9	0.3	0.4	2.0	0.4	1.1
			Bottom Depth (m):		0.9	0.4	0.5	0.9	0.3	0.4	2.0	0.4	1.1
			Date Sampled:		22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021
			Asbestos Lab:									COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0									100
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.9	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.3	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	9.6	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	7.7	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.5	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.1	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.5	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.3	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.0	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.7	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.34	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.5	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	40	< 2.0
Demeton-O	N	2820	mg/kg	0.20									
Phorate	N	2820	mg/kg	0.20									
Demeton-S	N	2820	mg/kg	0.20									
Disulfoton	N	2820	mg/kg	0.20									
Fenthion	N	2820	mg/kg	0.20									
Trichloronate	N	2820	mg/kg	0.20									
Prothiofos	N	2820	mg/kg	0.20									
Fensulphothion	N	2820	mg/kg	0.20									
Sulprofos	N	2820	mg/kg	0.20									
Azinphos-Methyl	N	2820	mg/kg	0.20									
Coumaphos	N	2820	mg/kg	0.20									
Alpha-HCH	N	2840	mg/kg	0.20									
Gamma-HCH (Lindane)	N	2840	mg/kg	0.20									
Beta-HCH	N	2840	mg/kg	0.20									
Delta-HCH	N	2840	mg/kg	0.20									
Heptachlor	N	2840	mg/kg	0.20									
Aldrin	N	2840	mg/kg	0.20									
Heptachlor Epoxide	N	2840	mg/kg	0.20									
Gamma-Chlordane	N	2840	mg/kg	0.20									
Alpha-Chlordane	N	2840	mg/kg	0.20									
Endosulfan I	N	2840	mg/kg	0.20									
4,4-DDE	N	2840	mg/kg	0.20									

Results - Soil

Project: 41623 Hogwood Farm, Finchampstead

Client: Eastwood & Partners			**Chemtest Job No.:**		21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428	21-37428
Quotation No.:			**Chemtest Sample ID.:**		1307046	1307047	1307048	1307049	1307050	1307051	1307052	1307053	1307054
Order No.:			Client Sample Ref.:		NG	TS	TS	NG	TS	TS	NG	MG	MG
			Sample Location:		TP358	TP359	TP361	TP361	TP362	TP364	TP364	TP312A	TP312A
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.9	0.4	0.5	0.9	0.3	0.4	2.0	0.4	1.1
			Bottom Depth (m):		0.9	0.4	0.5	0.9	0.3	0.4	2.0	0.4	1.1
			Date Sampled:		22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021	22-Oct-2021
			Asbestos Lab:									COVENTRY	COVENTRY
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Dieldrin	N	2840	mg/kg	0.20									
Endrin	N	2840	mg/kg	0.20									
4,4-DDD	N	2840	mg/kg	0.20									
Endosulfan II	N	2840	mg/kg	0.20									
Endrin Aldehyde	N	2840	mg/kg	0.20									
4,4-DDT	N	2840	mg/kg	0.20									
Endosulfan Sulphate	N	2840	mg/kg	0.20									
Methoxychlor	N	2840	mg/kg	0.20									
Endrin Ketone	N	2840	mg/kg	0.20									

Results - Soil

Project: 41623 Hogwood Farm - Parcel 15

Sports Field

Client: Eastwood & Partners			**Chemtest Job No.:**		22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649
Quotation No.:			**Chemtest Sample ID.:**		1499498	1499499	1499500	1499501	1499502	1499503	1499504	1499505	1499506
Order No.:			Client Sample Ref.:		TS	NG	TS	TS	TS	NG	TS	TS	NG
			Sample Location:		HP01	HP01	HP02	HP03	HP04	HP04	HP05	HP06	HP06
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.15	0.25	0.10	0.10	0.10	0.30	0.10	0.10	0.40
			Date Sampled:		31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A									
Asbestos Identification	U	2192		N/A									
Moisture	N	2030	%	0.020	12	7.6	7.9	8.6	11	10	12	13	11
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Hogwood Farm - Parcel 15

Client: Eastwood & Partners			**Chemtest Job No.:**		22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649
Quotation No.:			**Chemtest Sample ID.:**		1499507	1499508	1499509	1499510	1499511	1499512	1499513	1499514	1499515
Order No.:			Client Sample Ref.:		TS	NG	TS	NG	TS	NG	TS	TS	TS
			Sample Location:		HP07	HP07	HP08	HP08	HP09	HP09	HP10	HP11	HP12
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.15	0.40	0.20	0.50	0.20	0.50	0.10	0.10	0.10
			Date Sampled:		31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A									
Asbestos Identification	U	2192		N/A									
Moisture	N	2030	%	0.020	6.8	5.4	12	5.5	7.0	7.2	8.0	11	11
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Hogwood Farm - Parcel 15

Client: Eastwood & Partners			**Chemtest Job No.:**		22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649
Quotation No.:			**Chemtest Sample ID.:**		1499516	1499517	1499518	1499519	1499520	1499521	1499522	1499523	1499524
Order No.:			Client Sample Ref.:		NG	TS	NG	TS	TS	TS	NG	TS	TS
			Sample Location:		HP12	HP13	HP13	HP14	HP16	HP17	HP17	HP18	HP19
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.25	0.20	0.50	0.20	0.20	0.20	0.50	0.20	0.20
			Date Sampled:		31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	31-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022
			Asbestos Lab:										
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A									
Asbestos Identification	U	2192		N/A									
Moisture	N	2030	%	0.020	8.1	7.7	4.6	8.6	7.7	11	6.5	10	11
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.89	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.74	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Hogwood Farm - Parcel 15

Client: Eastwood & Partners			**Chemtest Job No.:**		22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649
Quotation No.:			**Chemtest Sample ID.:**		1499525	1499526	1499527	1499528	1499529	1499530	1499531	1499532	1499533
Order No.:			Client Sample Ref.:		TS	NG	TS	NG	TS	NG	TS	TS	NG
			Sample Location:		HP20	HP20	HP21	HP21	HP22	HP22	HP23	HP24	HP24
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.20	0.40	0.10	0.35	0.20	0.40	0.20	0.10	0.25
			Date Sampled:		30-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022
			Asbestos Lab:				DURHAM		DURHAM		DURHAM	DURHAM	
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A			-		-		-	-	
Asbestos Identification	U	2192		N/A			No Asbestos Detected		No Asbestos Detected		No Asbestos Detected	No Asbestos Detected	
Moisture	N	2030	%	0.020	10	6.1	12	8.9	9.2	8.1	9.7	14	9.9
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.13	0.15
Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	0.14
Benzo[a]anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Hogwood Farm - Parcel 15

Client: Eastwood & Partners			**Chemtest Job No.:**		22-33649	22-33649	22-33649	22-33649	22-33649	22-33649	22-33649
Quotation No.:			**Chemtest Sample ID.:**		1499534	1499535	1499536	1499537	1499538	1499539	1499540
Order No.:			Client Sample Ref.:		TS	TS	TS	NG	TS	NG	TS
			Sample Location:		HP25	HP26	HP27	HP27	HP28	HP28	HP29
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.10	0.10	0.10	0.30	0.10	0.40	0.15
			Date Sampled:		30-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022	30-Aug-2022
			Asbestos Lab:		DURHAM	DURHAM	DURHAM		DURHAM		DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**							
ACM Type	U	2192		N/A	-	-	-		-		-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected		No Asbestos Detected		No Asbestos Detected
Moisture	N	2030	%	0.020	11	12	9.9	9.3	11	8.1	8.6
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

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Final Report

Report No.:	23-05373-1
Initial Date of Issue:	22-Feb-2023
Client	Eastwood & Partners
Client Address:	St. Andrews House 23 Kingfield Road Sheffield South Yorkshire S11 9AS
Contact(s):	Melanie Ebling Ruth Noble
Project	41623 Parcel 15 - Finchampstead, Hogwood Farm

Quotation No.:		**Date Received:**	16-Feb-2023
Order No.:		**Date Instructed:**	16-Feb-2023
No. of Samples:	83		
Turnaround (Wkdays):	5	**Results Due:**	22-Feb-2023
Date Approved:	22-Feb-2023		

[redacted]

Stuart Henderson, Technical Manager

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:		**Chemtest Sample ID.:**			1591687	1591688	1591689	1591690	1591691	1591692	1591693	1591694	1591695
		Sample Location:			D01	D02	D03	D04	D05	D06	D07	D08	D09
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.5	0.6	0.8	0.6	0.6	0.6	0.6	0.65	0.6
		Date Sampled:			13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Moisture	N	2030	%	0.020	14	14	19	15	14	15	14	16	14
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones	Stones	Stones	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Clay	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.18	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	0.14
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	< 0.10	< 0.10	0.10
Phenanthrene	M	2800	mg/kg	0.10	0.20	< 0.10	< 0.10	< 0.10	0.17	0.20	0.14	0.12	0.16
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:		**Chemtest Sample ID.:**			1591696	1591697	1591698	1591699	1591700	1591701	1591702	1591703	1591704
		Sample Location:			D10	D11	D12	D13	D14	D15	D16	D17	D18
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.8	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.8
		Date Sampled:			13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Moisture	N	2030	%	0.020	17	16	14	17	17	16	12	16	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones and Roots	Stones	Stones and Roots	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.14	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.11	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	0.15	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16	0.13	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.32	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.33	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.25	0.27	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.38	0.24	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.40	0.21	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.48	1.4	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.28	1.9	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.60	1.3	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.0	5.6	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:		**Chemtest Sample ID.:**			1591705	1591706	1591707	1591708	1591709	1591710	1591711	1591712	1591713
		Sample Location:			D19	D20	D21	D22	D23	D24	D25	D26	D27
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.6	0.6	0.6	0.1	0.15	0.15	0.15	0.15	0.15
		Date Sampled:			13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Moisture	N	2030	%	0.020	15	13	15	24	20	17	17	9.6	23
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones and Roots	Stones	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.23	0.21	0.24	0.17	0.21
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.12	0.11	0.11	0.14
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:		**Chemtest Sample ID.:**			1591714	1591715	1591716	1591717	1591718	1591719	1591720	1591721	1591722
		Sample Location:			D28	D29	D30	D31	D32	D33	D34	D35	D36
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.15	0.15	0.15	0.2	0.2	0.2	0.2	0.2	0.2
		Date Sampled:			13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Moisture	N	2030	%	0.020	22	21	18	19	19	23	21	21	23
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones	Roots and Stones	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.21	0.23	0.28	0.29	0.22	0.24	0.23	< 0.10	0.31
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.11	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.16
Fluorene	M	2800	mg/kg	0.10	0.11	0.10	0.11	< 0.10	< 0.10	0.14	< 0.10	< 0.10	0.19
Phenanthrene	M	2800	mg/kg	0.10	0.16	0.15	0.11	< 0.10	0.13	0.19	0.17	< 0.10	0.43
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	0.11	< 0.10	< 0.10	< 0.10	< 0.10	0.12	< 0.10	0.17
Pyrene	M	2800	mg/kg	0.10	< 0.10	0.11	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.26
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.26
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.46
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.29
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	2.5

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:		**Chemtest Sample ID.:**			1591723	1591724	1591725	1591726	1591727	1591728	1591729	1591730	1591731
		Sample Location:			D37	D38	D39	D40	D41	D42	D43	D44	D45
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.2	0.2	0.2	0.2	0.2	0.2	0.7	0.7	0.7
		Date Sampled:			13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Moisture	N	2030	%	0.020	21	21	22	17	16	14	15	11	14
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones	Stones and Roots	Stones and Roots	Stones	Stones and Roots	Stones and Roots	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.22	0.30	0.21	< 0.10	0.19	< 0.10	0.32	0.31	0.31
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	0.20	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	0.22	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	0.43	< 0.10	< 0.10	< 0.10	< 0.10	0.27	0.30	0.35
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.66	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.93	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.92	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.0	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.4	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.4	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.3	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.1	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.3	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.4	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	2.3	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	21	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:		**Chemtest Sample ID.:**			1591732	1591733	1591734	1591735	1591736	1591737	1591738	1591739	1591740
		Sample Location:			D46	D47	D48	D49	D50	D51	D52	D53	D54
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.6	0.6	0.8	0.8	0.8	0.7	0.6	0.55	0.6
		Date Sampled:			13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Moisture	N	2030	%	0.020	14	14	14	22	19	16	13	9.7	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones	Stones	Roots and Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.19	0.27	0.18	0.25	< 0.10	0.20	0.14	0.17	0.21
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	0.18	0.21	< 0.10	< 0.10	< 0.10	< 0.10	0.21	0.30	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:		**Chemtest Sample ID.:**			1591741	1591742	1591743	1591744	1591745	1591746	1591747	1591748	1591749
		Sample Location:			D55	D56	D57	D58	D59	D60	D61	D62	D63
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.65	0.55	0.45	0.6	0.6	0.5	0.6	0.5	0.5
		Date Sampled:			13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Moisture	N	2030	%	0.020	17	13	13	17	19	16	17	14	14
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones and Roots	Stones and Roots	Stones	Stones	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10									
Naphthalene	M	2800	mg/kg	0.10	0.20	< 0.10	0.22	0.12	0.31	0.20	0.22	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.16	0.13	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:		**Chemtest Sample ID.:**			1591750	1591751	1591752	1591753	1591754	1591755	1591756	1591757	1591758
		Sample Location:			D64	D65	D66	D67	D68	D69	D70	D71	D72
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
		Date Sampled:			13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Moisture	N	2030	%	0.020									
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10	0.22	0.11	< 0.10	< 0.10	0.13	< 0.10	< 0.10	< 0.10	< 0.10
Naphthalene	M	2800	mg/kg	0.10									
Acenaphthylene	N	2800	mg/kg	0.10									
Acenaphthene	M	2800	mg/kg	0.10									
Fluorene	M	2800	mg/kg	0.10									
Phenanthrene	M	2800	mg/kg	0.10									
Anthracene	M	2800	mg/kg	0.10									
Fluoranthene	M	2800	mg/kg	0.10									
Pyrene	M	2800	mg/kg	0.10									
Benzo[a]anthracene	M	2800	mg/kg	0.10									
Chrysene	M	2800	mg/kg	0.10									
Benzo[b]fluoranthene	M	2800	mg/kg	0.10									
Benzo[k]fluoranthene	M	2800	mg/kg	0.10									
Benzo[a]pyrene	M	2800	mg/kg	0.10									
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10									
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10									
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10									
Total Of 16 PAH's	N	2800	mg/kg	2.0									

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373	23-05373
Quotation No.:		**Chemtest Sample ID.:**			1591759	1591760	1591761	1591762	1591763	1591764	1591765	1591766	1591767
		Sample Location:			D73	D74	D75	D76	D77	D78	D79	D80	D81
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.15
		Date Sampled:			13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023	13-Feb-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Moisture	N	2030	%	0.020									
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones and Roots	Roots and Stones	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Naphthalene	M	2800	mg/kg	0.10									
Acenaphthylene	N	2800	mg/kg	0.10									
Acenaphthene	M	2800	mg/kg	0.10									
Fluorene	M	2800	mg/kg	0.10									
Phenanthrene	M	2800	mg/kg	0.10									
Anthracene	M	2800	mg/kg	0.10									
Fluoranthene	M	2800	mg/kg	0.10									
Pyrene	M	2800	mg/kg	0.10									
Benzo[a]anthracene	M	2800	mg/kg	0.10									
Chrysene	M	2800	mg/kg	0.10									
Benzo[b]fluoranthene	M	2800	mg/kg	0.10									
Benzo[k]fluoranthene	M	2800	mg/kg	0.10									
Benzo[a]pyrene	M	2800	mg/kg	0.10									
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10									
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10									
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10									
Total Of 16 PAH's	N	2800	mg/kg	2.0									

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-05373	23-05373
Quotation No.:		**Chemtest Sample ID.:**			1591768	1591769
		Sample Location:			D82	D83
		Sample Type:			SOIL	SOIL
		Top Depth (m):			0.15	0.1
		Date Sampled:			13-Feb-2023	13-Feb-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**		
Moisture	N	2030	%	0.020		
Soil Colour	N	2040		N/A	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones and Roots
Soil Texture	N	2040		N/A	Sand	Sand
Cadmium	M	2455	mg/kg	0.10	< 0.10	0.18
Naphthalene	M	2800	mg/kg	0.10		
Acenaphthylene	N	2800	mg/kg	0.10		
Acenaphthene	M	2800	mg/kg	0.10		
Fluorene	M	2800	mg/kg	0.10		
Phenanthrene	M	2800	mg/kg	0.10		
Anthracene	M	2800	mg/kg	0.10		
Fluoranthene	M	2800	mg/kg	0.10		
Pyrene	M	2800	mg/kg	0.10		
Benzo[a]anthracene	M	2800	mg/kg	0.10		
Chrysene	M	2800	mg/kg	0.10		
Benzo[b]fluoranthene	M	2800	mg/kg	0.10		
Benzo[k]fluoranthene	M	2800	mg/kg	0.10		
Benzo[a]pyrene	M	2800	mg/kg	0.10		
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10		
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10		
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10		
Total Of 16 PAH's	N	2800	mg/kg	2.0		

Test Methods

SOP	Title	Parameters included	Method summary
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

Amended Report

Report No.:	23-12734-2		
Initial Date of Issue:	25-Apr-2023	**Date of Re-Issue:**	09-May-2023
Re-Issue Details:	This report has been revised and directly supersedes 23-12734-1 in its entirety		
Client	Eastwood & Partners		
Client Address:	St. Andrews House 23 Kingfield Road Sheffield South Yorkshire S11 9AS		
Contact(s):	Melanie Ebling Ruth Noble		
Project	41623 Parcel 15 - Finchampstead, Hogwood Farm		
Quotation No.:		**Date Received:**	19-Apr-2023
Order No.:		**Date Instructed:**	03-May-2023
No. of Samples:	24		
Turnaround (Wkdays):	5	**Results Due:**	10-May-2023
Date Approved:	09-May-2023		

[redacted] Stuart Henderson, Technical Manager

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners					**Chemtest Job No.:**	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:					**Chemtest Sample ID.:**	1625355	1625356	1625357	1625358	1625359	1625360	1625361	1625362	1625363
					Sample Location:	D113	D114	D115	TP601	TP601	TP602	TP602	TP603	TP603
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.45	0.60	0.45	0.25	0.50	0.30	0.50	0.20	0.45
					Date Sampled:	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
					Asbestos Lab:				DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
ACM Type	U	2192		N/A					-	-	-	-	-	-
Asbestos Identification	U	2192		N/A					No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	15	14	13	13	21	12	14	19	14	
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	
Other Material	N	2040		N/A	Stones	30% Stones	Stones	Stones	Stones	45% Stones	Stones	30% Stones	Stones	
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Clay	Clay	Clay	Clay	Sand	Clay	
pH	M	2010		4.0				8.3	5.2	8.6	7.9	8.3	7.1	
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010				0.15	< 0.010	0.096	0.014	0.23	0.085	
Total Sulphur	M	2175	%	0.010				0.29	< 0.010	0.17	< 0.010	0.13	0.012	
Sulphate (Acid Soluble)	U	2430	%	0.010				0.092	0.014	0.12	< 0.010	0.25	0.030	
Arsenic	M	2455	mg/kg	0.5				11	12	7.6	4.8	11	4.0	
Cadmium	M	2455	mg/kg	0.10				0.12	< 0.10	0.44	< 0.10	0.69	< 0.10	
Chromium	M	2455	mg/kg	0.5				21	18	12	12	18	10	
Copper	M	2455	mg/kg	0.50				12	8.7	8.9	3.5	10	4.2	
Mercury	M	2455	mg/kg	0.05				0.06	< 0.05	< 0.05	< 0.05	0.50	0.06	
Nickel	M	2455	mg/kg	0.50				11	10	8.7	4.7	12	4.0	
Lead	M	2455	mg/kg	0.50				49	7.3	38	8.3	41	14	
Selenium	M	2455	mg/kg	0.25				0.39	0.37	0.45	0.34	0.40	0.26	
Zinc	M	2455	mg/kg	0.50				61	23	70	17	67	19	
Chromium (Hexavalent)	N	2490	mg/kg	0.50				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10							
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10							
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10							
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10							
Phenanthrene	M	2700	mg/kg	0.10	1.6	< 0.10	< 0.10							
Anthracene	M	2700	mg/kg	0.10	0.47	< 0.10	< 0.10							
Fluoranthene	M	2700	mg/kg	0.10	3.4	0.47	< 0.10							
Pyrene	M	2700	mg/kg	0.10	2.9	0.48	< 0.10							
Benzo[a]anthracene	M	2700	mg/kg	0.10	1.3	0.28	< 0.10							
Chrysene	M	2700	mg/kg	0.10	3.0	0.63	< 0.10							
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	1.7	< 0.10	< 0.10							
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	0.96	< 0.10	< 0.10							
Benzo[a]pyrene	M	2700	mg/kg	0.10	1.1	< 0.10	< 0.10							
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	0.84	< 0.10	< 0.10							
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	0.52	< 0.10	< 0.10							
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	0.86	< 0.10	< 0.10							
Total Of 16 PAH's	M	2700	mg/kg	2.0	19	< 2.0	< 2.0							

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners			**Chemtest Job No.:**		23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:			**Chemtest Sample ID.:**		1625355	1625356	1625357	1625358	1625359	1625360	1625361	1625362	1625363
			Sample Location:		D113	D114	D115	TP601	TP601	TP602	TP602	TP603	TP603
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.45	0.60	0.45	0.25	0.50	0.30	0.50	0.20	0.45
			Date Sampled:		17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
			Asbestos Lab:					DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Naphthalene	M	2800	mg/kg	0.10				< 0.10	< 0.10	0.38	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10				0.15	< 0.10	0.79	< 0.10	0.19	< 0.10
Acenaphthene	M	2800	mg/kg	0.10				0.11	< 0.10	4.4	< 0.10	0.19	< 0.10
Fluorene	M	2800	mg/kg	0.10				0.11	< 0.10	5.0	< 0.10	0.18	< 0.10
Phenanthrene	M	2800	mg/kg	0.10				0.68	0.16	47	0.25	2.1	0.29
Anthracene	M	2800	mg/kg	0.10				0.31	< 0.10	11	< 0.10	0.68	0.10
Fluoranthene	M	2800	mg/kg	0.10				2.3	0.24	100	0.49	4.9	0.55
Pyrene	M	2800	mg/kg	0.10				2.2	0.17	67	0.38	4.1	0.49
Benzo[a]anthracene	M	2800	mg/kg	0.10				1.6	0.13	32	0.22	2.4	0.32
Chrysene	M	2800	mg/kg	0.10				1.4	0.13	33	0.25	2.1	0.28
Benzo[b]fluoranthene	M	2800	mg/kg	0.10				3.4	< 0.10	43	0.31	3.9	0.33
Benzo[k]fluoranthene	M	2800	mg/kg	0.10				1.1	< 0.10	13	< 0.10	1.2	0.15
Benzo[a]pyrene	M	2800	mg/kg	0.10				2.5	< 0.10	29	0.19	2.8	0.25
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10				2.5	< 0.10	25	0.20	2.3	0.26
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10				0.51	< 0.10	4.0	< 0.10	0.49	0.14
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10				2.5	< 0.10	20	0.17	2.3	0.26
Total Of 16 PAH's	N	2800	mg/kg	2.0				21	< 2.0	430	2.5	30	3.4

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners					**Chemtest Job No.:**	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:					**Chemtest Sample ID.:**	1625364	1625365	1625366	1625367	1625368	1625369	1625370	1625371	1625372
					Sample Location:	TP604	TP604	TP604	D101	D102	D103	D104	D105	D106
					Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Top Depth (m):	0.10	0.25	0.80	0.50	0.45	0.50	0.60		0.50
					Date Sampled:	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
					Asbestos Lab:	DURHAM	DURHAM	DURHAM						
Determinand	**Accred.**	**SOP**	**Units**	**LOD**										
ACM Type	U	2192		N/A		-	-	-						
Asbestos Identification	U	2192		N/A		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected						
Moisture	N	2030	%	0.020		8.6	14	19	13	17	15	16	16	15
Soil Colour	N	2040		N/A		Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A		50% Stones	45% Stones	Stones	None	None	None	None	None	None
Soil Texture	N	2040		N/A		Sand	Sand	Clay	Sand	Sand	Sand	Sand	Sand	Sand
pH	M	2010		4.0		8.7	8.8	7.8						
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010		0.30	0.45	0.026						
Total Sulphur	M	2175	%	0.010		0.43	0.11	< 0.010						
Sulphate (Acid Soluble)	U	2430	%	0.010		0.11	0.15	< 0.010						
Arsenic	M	2455	mg/kg	0.5		7.7	4.2	9.1						
Cadmium	M	2455	mg/kg	0.10		0.22	< 0.10	< 0.10						
Chromium	M	2455	mg/kg	0.5		11	8.5	21						
Copper	M	2455	mg/kg	0.50		18	4.8	7.8						
Mercury	M	2455	mg/kg	0.05		< 0.05	< 0.05	< 0.05						
Nickel	M	2455	mg/kg	0.50		9.7	5.7	9.5						
Lead	M	2455	mg/kg	0.50		25	33	8.8						
Selenium	M	2455	mg/kg	0.25		0.29	< 0.25	0.39						
Zinc	M	2455	mg/kg	0.50		58	41	24						
Chromium (Hexavalent)	N	2490	mg/kg	0.50		< 0.50	< 0.50	< 0.50						
Naphthalene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10					< 0.10	< 0.10	0.35	< 0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10					< 0.10	< 0.10	0.42	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10					< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0					< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners			**Chemtest Job No.:**		23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:			**Chemtest Sample ID.:**		1625364	1625365	1625366	1625367	1625368	1625369	1625370	1625371	1625372
			Sample Location:		TP604	TP604	TP604	D101	D102	D103	D104	D105	D106
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.10	0.25	0.80	0.50	0.45	0.50	0.60		0.50
			Date Sampled:		17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
			Asbestos Lab:		DURHAM	DURHAM	DURHAM						
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Naphthalene	M	2800	mg/kg	0.10	0.45	< 0.10	< 0.10						
Acenaphthylene	N	2800	mg/kg	0.10	1.2	< 0.10	< 0.10						
Acenaphthene	M	2800	mg/kg	0.10	10	< 0.10	< 0.10						
Fluorene	M	2800	mg/kg	0.10	12	< 0.10	< 0.10						
Phenanthrene	M	2800	mg/kg	0.10	110	6.7	1.3						
Anthracene	M	2800	mg/kg	0.10	23	1.9	< 0.10						
Fluoranthene	M	2800	mg/kg	0.10	160	12	3.1						
Pyrene	M	2800	mg/kg	0.10	110	9.7	2.8						
Benzo[a]anthracene	M	2800	mg/kg	0.10	57	5.9	3.0						
Chrysene	M	2800	mg/kg	0.10	58	4.6	2.0						
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	75	8.4	3.7						
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	27	3.1	2.3						
Benzo[a]pyrene	M	2800	mg/kg	0.10	54	7.3	3.4						
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	46	5.2	3.6						
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	6.3	1.2	1.9						
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	37	4.1	2.8						
Total Of 16 PAH's	N	2800	mg/kg	2.0	790	70	30						

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners		**Chemtest Job No.:**			23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:		**Chemtest Sample ID.:**			1625373	1625374	1625375	1625376	1625377	1625378
		Sample Location:			D107	D108	D109	D110	D111	D112
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):			0.50	0.45	0.50	0.60	0.40	0.40
		Date Sampled:			17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
		Asbestos Lab:								
Determinand	**Accred.**	**SOP**	**Units**	**LOD**						
ACM Type	U	2192		N/A						
Asbestos Identification	U	2192		N/A						
Moisture	N	2030	%	0.020	18	18	14	12	15	15
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	None	None	None	None	None	None
Soil Texture	N	2040		N/A	Sand	Sand	Sand	Sand	Sand	Sand
pH	M	2010		4.0						
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010						
Total Sulphur	M	2175	%	0.010						
Sulphate (Acid Soluble)	U	2430	%	0.010						
Arsenic	M	2455	mg/kg	0.5						
Cadmium	M	2455	mg/kg	0.10						
Chromium	M	2455	mg/kg	0.5						
Copper	M	2455	mg/kg	0.50						
Mercury	M	2455	mg/kg	0.05						
Nickel	M	2455	mg/kg	0.50						
Lead	M	2455	mg/kg	0.50						
Selenium	M	2455	mg/kg	0.25						
Zinc	M	2455	mg/kg	0.50						
Chromium (Hexavalent)	N	2490	mg/kg	0.50						
Naphthalene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chrysene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners			**Chemtest Job No.:**		23-12734	23-12734	23-12734	23-12734	23-12734	23-12734
Quotation No.:			**Chemtest Sample ID.:**		1625373	1625374	1625375	1625376	1625377	1625378
			Sample Location:		D107	D108	D109	D110	D111	D112
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Top Depth (m):		0.50	0.45	0.50	0.60	0.40	0.40
			Date Sampled:		17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
			Asbestos Lab:							
Determinand	**Accred.**	**SOP**	**Units**	**LOD**						
Naphthalene	M	2800	mg/kg	0.10						
Acenaphthylene	N	2800	mg/kg	0.10						
Acenaphthene	M	2800	mg/kg	0.10						
Fluorene	M	2800	mg/kg	0.10						
Phenanthrene	M	2800	mg/kg	0.10						
Anthracene	M	2800	mg/kg	0.10						
Fluoranthene	M	2800	mg/kg	0.10						
Pyrene	M	2800	mg/kg	0.10						
Benzo[a]anthracene	M	2800	mg/kg	0.10						
Chrysene	M	2800	mg/kg	0.10						
Benzo[b]fluoranthene	M	2800	mg/kg	0.10						
Benzo[k]fluoranthene	M	2800	mg/kg	0.10						
Benzo[a]pyrene	M	2800	mg/kg	0.10						
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10						
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10						
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10						
Total Of 16 PAH's	N	2800	mg/kg	2.0						

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2175	Total Sulphur in Soils	Total Sulphur	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

UKAS TESTING
2183

Final Report

Report No.:	23-15547-1
Initial Date of Issue:	17-May-2023
Re-Issue Details:	
Client	Eastwood & Partners
Client Address:	St. Andrews House 23 Kingfield Road Sheffield South Yorkshire S11 9AS
Contact(s):	Melanie Ebling Ruth Noble
Project	41623 Parcel 15 - Finchampstead, Hogwood Farm

Quotation No.:		**Date Received:**	11-May-2023
Order No.:		**Date Instructed:**	11-May-2023
No. of Samples:	4		
Turnaround (Wkdays):	5	**Results Due:**	17-May-2023
Date Approved:	17-May-2023		

[redacted]
Stuart Henderson, Technical Manager

Results - Soil

Project: 41623 Parcel 15 - Finchampstead, Hogwood Farm

Client: Eastwood & Partners			**Chemtest Job No.:**		23-15547	23-15547	23-15547	23-15547
Quotation No.:			**Chemtest Sample ID.:**		1637296	1637297	1637298	1637299
Order No.:			Client Sample Ref.:		Sub sample 1	Sub sample 2	Sub sample 3	Sub sample 4
			Client Sample ID.:		Retest sample 1625355	Retest sample 1625355	Retest sample 1625355	Retest sample 1625355
			Sample Location:		D113	D113	D113	D113
			Sample Type:		SOIL	SOIL	SOIL	SOIL
			Date Sampled:		17-Apr-2023	17-Apr-2023	17-Apr-2023	17-Apr-2023
Determinand	**Accred.**	**SOP**	**Units**	**LOD**				
Moisture	N	2030	%	0.020	18	18	18	18
Naphthalene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluorene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Phenanthrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[a]anthracene	U	2800	mg/kg	0.10	< 0.10	< 0.10	0.19	< 0.10
Chrysene	U	2800	mg/kg	0.10	< 0.10	< 0.10	0.16	< 0.10
Benzo[b]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	0.25	< 0.10
Benzo[k]fluoranthene	U	2800	mg/kg	0.10	< 0.10	< 0.10	0.18	< 0.10
Benzo[a]pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Indeno(1,2,3-c,d)Pyrene	U	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	U	2800	mg/kg	0.10	< 0.10	< 0.10	0.30	< 0.10
Total Of 16 PAH's	N	2800	mg/kg	2.0	< 2.0	< 2.0	< 2.0	< 2.0

Test Methods

SOP	Title	Parameters included	Method summary
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

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All results are expressed on a dry weight basis

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Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

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C - Sample not received in appropriate containers
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Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

Mel Ebling
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t: 0114 255 4554
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i2 Analytical Ltd.
7 Woodshots Meadow,
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Herts,
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e: reception@i2analytical.com

Analytical Report Number : 23-64744

Project / Site name:	Finchwood Park	Samples received on:	25/10/2023
Your job number:	41623	Samples instructed on/ Analysis started on:	25/10/2023
Your order number:	41623	Analysis completed by:	01/11/2023
Report Issue Number:	1	Report issued on:	01/11/2023
Samples Analysed:	26 soil samples		

Signe[redacted]

Joanna

Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856889	2856890	2856891	2856892	2856893
Sample Reference				TP703	TP704	TP705	TP715	TP715
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.35	0.35	0.35	0.20	0.80-1.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	11	11	15	17
Total mass of sample received	kg	0.001	NONE	0.3	0.3	0.3	0.3	0.2

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	-	-	8	7.8
Total Sulphate as SO4	%	0.005	MCERTS	-	-	-	-	0.014
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-	-	-	0.0194
Total Sulphur	%	0.005	MCERTS	-	-	-	-	0.009

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	7	13
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	-	-	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	-	-	-	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	21	37
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	11	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	26	12
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	-	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	9.2	35
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	-	-	38	49

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856889	2856890	2856891	2856892	2856893
Sample Reference				TP703	TP704	TP705	TP715	TP715
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.35	0.35	0.35	0.20	0.80-1.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_1D_AR	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856889	2856890	2856891	2856892	2856893
Sample Reference				TP703	TP704	TP705	TP715	TP715
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.35	0.35	0.35	0.20	0.80-1.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Pesticides								
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	-	-	-	-
BHC-beta	µg/kg	10	NONE	-	-	-	-	-
BHC-delta	µg/kg	10	NONE	-	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	20	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
DDD-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDD-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-p,p'	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	20	NONE	-	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin ketone	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Heptachlor	µg/kg	10	NONE	-	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	20	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856889	2856890	2856891	2856892	2856893
Sample Reference				TP703	TP704	TP705	TP715	TP715
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.35	0.35	0.35	0.20	0.80-1.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	20	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856894	2856895	2856896	2856897	2856898
Sample Reference				TP717	TP717	TP718	TP718	TP719
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	1.20	0.20	1.10	0.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	15	17	19	17	20
Total mass of sample received	kg	0.001	NONE	0.3	0.3	0.3	0.2	0.3

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.4	7.8	8.2	7.3	7.6
Total Sulphate as SO4	%	0.005	MCERTS	-	0.009	-	0.011	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.0216	-	0.0358	-
Total Sulphur	%	0.005	MCERTS	-	0.008	-	0.007	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.07	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.15	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.13	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.08	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.09	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.11	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	0.07	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	0.09	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.2	12	10	10	9.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.4	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	20	40	36	38	27
Copper (aqua regia extractable)	mg/kg	1	MCERTS	8.8	15	63	13	12
Lead (aqua regia extractable)	mg/kg	1	MCERTS	18	12	26	10	14
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	7.5	31	17	28	14
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	33	51	120	43	40

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856894	2856895	2856896	2856897	2856898
Sample Reference				TP717	TP717	TP718	TP718	TP719
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	1.20	0.20	1.10	0.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_1D_AR	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856894	2856895	2856896	2856897	2856898
Sample Reference				TP717	TP717	TP718	TP718	TP719
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	1.20	0.20	1.10	0.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Pesticides								
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	-	-	-	-
BHC-beta	µg/kg	10	NONE	-	-	-	-	-
BHC-delta	µg/kg	10	NONE	-	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	20	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
DDD-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDD-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-p,p'	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	20	NONE	-	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin ketone	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Heptachlor	µg/kg	10	NONE	-	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	20	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856894	2856895	2856896	2856897	2856898
Sample Reference				TP717	TP717	TP718	TP718	TP719
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.15	1.20	0.20	1.10	0.20
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	20	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856899	2856900	2856901	2856902	2856903
Sample Reference				TP719	TP720	TP720	TP722	TP722
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.30	1.50	0.20	1.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	17	16	17	17	17
Total mass of sample received	kg	0.001	NONE	0.3	0.2	0.3	0.3	0.2

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.6	7.5	7.6	8.1	7.6
Total Sulphate as SO4	%	0.005	MCERTS	0.01	-	0.007	-	0.012
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0208	-	0.0097	-	0.0114
Total Sulphur	%	0.005	MCERTS	0.009	-	0.005	-	0.005

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	0.1	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.18	< 0.05	0.07	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.16	< 0.05	0.07	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.07	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	0.08	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	11	5.8	11	7.9	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	41	18	36	22	35
Copper (aqua regia extractable)	mg/kg	1	MCERTS	14	12	14	14	13
Lead (aqua regia extractable)	mg/kg	1	MCERTS	12	21	11	23	11
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	27	6.8	31	8.9	22
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	51	38	43	53	44

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Toluene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
Ethylbenzene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
p & m-xylene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
o-xylene	µg/kg	5	MCERTS	-	-	< 5.0	-	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	< 5.0	-	< 5.0

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856899	2856900	2856901	2856902	2856903
Sample Reference				TP719	TP720	TP720	TP722	TP722
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.30	1.50	0.20	1.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.02	NONE	-	-	< 0.020	-	< 0.020
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.02	NONE	-	-	< 0.020	-	< 0.020
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.05	NONE	-	-	< 0.050	-	< 0.050
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	-	-	< 2.0	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	-	-	< 8.0	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	-	-	< 8.0	-	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10	NONE	-	-	< 10	-	< 10
TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	-	-	< 0.010	-	< 0.010
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	-	-	< 0.010	-	< 0.010
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	-	-	< 0.050	-	< 0.050
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	-	-	< 1.0	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	-	-	< 2.0	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	-	-	< 10	-	< 10
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	-	-	< 10	-	< 10
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_1D_AR	mg/kg	10	NONE	-	-	< 10	-	< 10

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856899	2856900	2856901	2856902	2856903
Sample Reference				TP719	TP720	TP720	TP722	TP722
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.30	1.50	0.20	1.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Pesticides								
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	-	-	-	-
BHC-beta	µg/kg	10	NONE	-	-	-	-	-
BHC-delta	µg/kg	10	NONE	-	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Bifenthrin	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	20	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	-	-	-	-
DDD-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDD-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDE-p,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-o,p'	µg/kg	10	NONE	-	-	-	-	-
DDT-p,p'	µg/kg	10	NONE	-	-	-	-	-
Deltamethrin	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	20	NONE	-	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin ketone	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Heptachlor	µg/kg	10	NONE	-	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	20	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856899	2856900	2856901	2856902	2856903
Sample Reference				TP719	TP720	TP720	TP722	TP722
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.70	0.30	1.50	0.20	1.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	20	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Pendimethalin	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	-	-	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Propyzamide	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	-	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856904	2856905	2856906	2856907	2856908
Sample Reference				TP721	TP723	TP724	TP725	TP726
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.15	0.15	0.15	0.15
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	18	12	14	13	16
Total mass of sample received	kg	0.001	NONE	0.3	0.2	0.3	0.3	0.2

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8	7.1	6.6	6.9	6.8
Total Sulphate as SO4	%	0.005	MCERTS	-	-	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	-	-	-	-
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05	0.06	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05	0.06	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.3	7.3	6	6	6.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	25	20	20	18	19
Copper (aqua regia extractable)	mg/kg	1	MCERTS	26	6.3	13	9	8.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	25	19	21	19	20
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	12	6.4	5.4	5.2	5.9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	84	29	26	28	30

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	-	-	-	-
Toluene	µg/kg	5	MCERTS	-	-	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	-	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	-	-	-	-
o-xylene	µg/kg	5	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856904	2856905	2856906	2856907	2856908
Sample Reference				TP721	TP723	TP724	TP725	TP726
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.15	0.15	0.15	0.15
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.02	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	-	-	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	-	-	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	-	-	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_1D_AR	mg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856904	2856905	2856906	2856907	2856908
Sample Reference				TP721	TP723	TP724	TP725	TP726
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.15	0.15	0.15	0.15
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Pesticides								
Alachlor	µg/kg	10	NONE	-	< 10	-	-	-
Aldrin	µg/kg	10	NONE	-	< 10	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	< 10	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	< 10	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-	< 10	-	-	-
BHC-beta	µg/kg	10	NONE	-	< 10	-	-	-
BHC-delta	µg/kg	10	NONE	-	< 10	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-	< 10	-	-	-
Bifenthrin	µg/kg	10	NONE	-	< 10	-	-	-
Carbophenothion	µg/kg	10	NONE	-	< 10	-	-	-
Chlordane-cis	µg/kg	10	NONE	-	< 10	-	-	-
Chlordane-trans	µg/kg	10	NONE	-	< 10	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	< 10	-	-	-
Chlorothalonil	µg/kg	20	NONE	-	< 20	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	< 10	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-	< 10	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-	< 10	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	-	< 10	-	-	-
DDD-o,p'	µg/kg	10	NONE	-	< 10	-	-	-
DDD-p,p'	µg/kg	10	NONE	-	< 10	-	-	-
DDE-o,p'	µg/kg	10	NONE	-	< 10	-	-	-
DDE-p,p'	µg/kg	10	NONE	-	< 10	-	-	-
DDT-o,p'	µg/kg	10	NONE	-	< 10	-	-	-
DDT-p,p'	µg/kg	10	NONE	-	< 10	-	-	-
Deltamethrin	µg/kg	10	NONE	-	< 10	-	-	-
Demeton-O	µg/kg	10	NONE	-	< 10	-	-	-
Demeton-S	µg/kg	10	NONE	-	< 10	-	-	-
Diazinon	µg/kg	10	NONE	-	< 10	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-	< 10	-	-	-
Dichlorvos	µg/kg	10	NONE	-	< 10	-	-	-
Dieldrin	µg/kg	10	NONE	-	< 10	-	-	-
Dimethoate	µg/kg	10	NONE	-	< 10	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	< 10	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	< 10	-	-	-
Endrin	µg/kg	20	NONE	-	< 20	-	-	-
Endrin aldehyde	µg/kg	10	NONE	-	< 10	-	-	-
Endrin ketone	µg/kg	10	NONE	-	< 10	-	-	-
Ethion	µg/kg	10	NONE	-	< 10	-	-	-
Etrimfos	µg/kg	10	NONE	-	< 10	-	-	-
Fenitrothion	µg/kg	10	NONE	-	< 10	-	-	-
Fenthion	µg/kg	10	NONE	-	< 10	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	< 10	-	-	-
Heptachlor	µg/kg	10	NONE	-	< 10	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-	< 10	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	< 10	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	< 10	-	-	-
Isodrin	µg/kg	20	NONE	-	< 20	-	-	-
Malathion	µg/kg	10	NONE	-	< 10	-	-	-
Methacrifos	µg/kg	10	NONE	-	< 10	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-	< 20	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856904	2856905	2856906	2856907	2856908
Sample Reference				TP721	TP723	TP724	TP725	TP726
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.15	0.15	0.15	0.15
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Mevinphos, E+Z	µg/kg	10	NONE	-	< 10	-	-	-
Omethoate	µg/kg	20	NONE	-	< 20	-	-	-
Parathion	µg/kg	10	NONE	-	< 10	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	< 10	-	-	-
Pendimethalin	µg/kg	10	NONE	-	< 10	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	< 10	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	-	< 10	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	-	< 10	-	-	-
Phorate	µg/kg	10	NONE	-	< 10	-	-	-
Phosalone	µg/kg	10	NONE	-	< 10	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	< 10	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	< 10	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	< 10	-	-	-
Propetamphos	µg/kg	10	NONE	-	< 10	-	-	-
Propyzamide	µg/kg	10	NONE	-	< 10	-	-	-
Tecnazene	µg/kg	10	NONE	-	< 10	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-	< 10	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-	< 10	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-	< 10	-	-	-
Trifluralin	µg/kg	10	NONE	-	< 10	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856909	2856910	2856911	2856912	2856913
Sample Reference				TP727	TP723	TP721	TP722	TP724
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.30	1.00	0.90	0.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	14	16	17	17	18
Total mass of sample received	kg	0.001	NONE	0.3	0.3	0.2	0.3	0.2

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.1	7.3	7.1	7.1	7.1
Total Sulphate as SO4	%	0.005	MCERTS	-	0.012	0.015	0.009	0.013
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.0027	0.0084	0.0073	0.0029
Total Sulphur	%	0.005	MCERTS	-	0.006	< 0.005	< 0.005	0.008

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.6	11	11	8.3	13
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	35	34	30	43
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	9.3	14	8.9	8.1
Lead (aqua regia extractable)	mg/kg	1	MCERTS	23	10	12	9.7	11
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	7.6	11	28	13	11
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	35	33	48	31	39

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
Toluene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
Ethylbenzene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
p & m-xylene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
o-xylene	µg/kg	5	MCERTS	-	< 5.0	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-	< 5.0	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856909	2856910	2856911	2856912	2856913
Sample Reference				TP727	TP723	TP721	TP722	TP724
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.30	1.00	0.90	0.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.02	NONE	-	< 0.020	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.02	NONE	-	< 0.020	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.05	NONE	-	< 0.050	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	-	< 2.0	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	-	< 8.0	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	-	< 8.0	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10	NONE	-	< 10	-	-	-
TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	-	< 0.010	-	-	-
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	-	< 0.010	-	-	-
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	-	< 0.050	-	-	-
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	-	< 1.0	-	-	-
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	-	< 2.0	-	-	-
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	-	< 10	-	-	-
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	-	< 10	-	-	-
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_1D_AR	mg/kg	10	NONE	-	< 10	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856909	2856910	2856911	2856912	2856913
Sample Reference				TP727	TP723	TP721	TP722	TP724
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.30	1.00	0.90	0.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Pesticides								
Alachlor	µg/kg	10	NONE	< 10	-	-	-	-
Aldrin	µg/kg	10	NONE	< 10	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	< 10	-	-	-	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	< 10	-	-	-	-
BHC-beta	µg/kg	10	NONE	< 10	-	-	-	-
BHC-delta	µg/kg	10	NONE	< 10	-	-	-	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	< 10	-	-	-	-
Bifenthrin	µg/kg	10	NONE	< 10	-	-	-	-
Carbophenothion	µg/kg	10	NONE	< 10	-	-	-	-
Chlordane-cis	µg/kg	10	NONE	< 10	-	-	-	-
Chlordane-trans	µg/kg	10	NONE	< 10	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	< 10	-	-	-	-
Chlorothalonil	µg/kg	20	NONE	< 20	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	< 10	-	-	-	-
Cyfluthrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	< 10	-	-	-	-
Cypermethrin (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
DDD-o,p'	µg/kg	10	NONE	< 10	-	-	-	-
DDD-p,p'	µg/kg	10	NONE	< 10	-	-	-	-
DDE-o,p'	µg/kg	10	NONE	< 10	-	-	-	-
DDE-p,p'	µg/kg	10	NONE	< 10	-	-	-	-
DDT-o,p'	µg/kg	10	NONE	< 10	-	-	-	-
DDT-p,p'	µg/kg	10	NONE	< 10	-	-	-	-
Deltamethrin	µg/kg	10	NONE	< 10	-	-	-	-
Demeton-O	µg/kg	10	NONE	< 10	-	-	-	-
Demeton-S	µg/kg	10	NONE	< 10	-	-	-	-
Diazinon	µg/kg	10	NONE	< 10	-	-	-	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	< 10	-	-	-	-
Dichlorvos	µg/kg	10	NONE	< 10	-	-	-	-
Dieldrin	µg/kg	10	NONE	< 10	-	-	-	-
Dimethoate	µg/kg	10	NONE	< 10	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	< 10	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	< 10	-	-	-	-
Endrin	µg/kg	20	NONE	< 20	-	-	-	-
Endrin aldehyde	µg/kg	10	NONE	< 10	-	-	-	-
Endrin ketone	µg/kg	10	NONE	< 10	-	-	-	-
Ethion	µg/kg	10	NONE	< 10	-	-	-	-
Etrimfos	µg/kg	10	NONE	< 10	-	-	-	-
Fenitrothion	µg/kg	10	NONE	< 10	-	-	-	-
Fenthion	µg/kg	10	NONE	< 10	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Heptachlor	µg/kg	10	NONE	< 10	-	-	-	-
Heptachlor exo-epoxide	µg/kg	10	NONE	< 10	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	< 10	-	-	-	-
Isodrin	µg/kg	20	NONE	< 20	-	-	-	-
Malathion	µg/kg	10	NONE	< 10	-	-	-	-
Methacrifos	µg/kg	10	NONE	< 10	-	-	-	-
Methoxychlor, p,p'-	µg/kg	20	NONE	< 20	-	-	-	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856909	2856910	2856911	2856912	2856913
Sample Reference				TP727	TP723	TP721	TP722	TP724
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.30	1.00	0.90	0.50
Date Sampled				23/10/2023	23/10/2023	23/10/2023	23/10/2023	23/10/2023
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Mevinphos, E+Z	µg/kg	10	NONE	< 10	-	-	-	-
Omethoate	µg/kg	20	NONE	< 20	-	-	-	-
Parathion	µg/kg	10	NONE	< 10	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	< 10	-	-	-	-
Pendimethalin	µg/kg	10	NONE	< 10	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	< 10	-	-	-	-
Permethrin, Cis-	µg/kg	10	NONE	< 10	-	-	-	-
Permethrin, Trans-	µg/kg	10	NONE	< 10	-	-	-	-
Phorate	µg/kg	10	NONE	< 10	-	-	-	-
Phosalone	µg/kg	10	NONE	< 10	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	< 10	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	< 10	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	< 10	-	-	-	-
Propetamphos	µg/kg	10	NONE	< 10	-	-	-	-
Propyzamide	µg/kg	10	NONE	< 10	-	-	-	-
Tecnazene	µg/kg	10	NONE	< 10	-	-	-	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	< 10	-	-	-	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	< 10	-	-	-	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	< 10	-	-	-	-
Trifluralin	µg/kg	10	NONE	< 10	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856914
Sample Reference				TP726
Sample Number				None Supplied
Depth (m)				0.70
Date Sampled				23/10/2023
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Stone Content	%	0.1	NONE	< 0.1
Moisture Content	%	0.01	NONE	16
Total mass of sample received	kg	0.001	NONE	0.3

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	6.9
Total Sulphate as SO4	%	0.005	MCERTS	0.021
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0277
Total Sulphur	%	0.005	MCERTS	0.008

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.4
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	31
Copper (aqua regia extractable)	mg/kg	1	MCERTS	8.3
Lead (aqua regia extractable)	mg/kg	1	MCERTS	10
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	9.9
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	37

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	-
Toluene	µg/kg	5	MCERTS	-
Ethylbenzene	µg/kg	5	MCERTS	-
p & m-xylene	µg/kg	5	MCERTS	-
o-xylene	µg/kg	5	MCERTS	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856914
Sample Reference				TP726
Sample Number				None Supplied
Depth (m)				0.70
Date Sampled				23/10/2023
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Petroleum Hydrocarbons				
TPH-CWG - Aliphatic >EC5 - EC6 HS_1D_AL	mg/kg	0.02	NONE	-
TPH-CWG - Aliphatic >EC6 - EC8 HS_1D_AL	mg/kg	0.02	NONE	-
TPH-CWG - Aliphatic >EC8 - EC10 HS_1D_AL	mg/kg	0.05	NONE	-
TPH-CWG - Aliphatic >EC10 - EC12 EH_CU_1D_AL	mg/kg	1	MCERTS	-
TPH-CWG - Aliphatic >EC12 - EC16 EH_CU_1D_AL	mg/kg	2	MCERTS	-
TPH-CWG - Aliphatic >EC16 - EC21 EH_CU_1D_AL	mg/kg	8	MCERTS	-
TPH-CWG - Aliphatic >EC21 - EC35 EH_CU_1D_AL	mg/kg	8	MCERTS	-
TPH-CWG - Aliphatic (EC5 - EC35) EH_CU+HS_1D_AL	mg/kg	10	NONE	-
TPH-CWG - Aromatic >EC5 - EC7 HS_1D_AR	mg/kg	0.01	NONE	-
TPH-CWG - Aromatic >EC7 - EC8 HS_1D_AR	mg/kg	0.01	NONE	-
TPH-CWG - Aromatic >EC8 - EC10 HS_1D_AR	mg/kg	0.05	NONE	-
TPH-CWG - Aromatic >EC10 - EC12 EH_CU_1D_AR	mg/kg	1	MCERTS	-
TPH-CWG - Aromatic >EC12 - EC16 EH_CU_1D_AR	mg/kg	2	MCERTS	-
TPH-CWG - Aromatic >EC16 - EC21 EH_CU_1D_AR	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic >EC21 - EC35 EH_CU_1D_AR	mg/kg	10	MCERTS	-
TPH-CWG - Aromatic (EC5 - EC35) EH_CU+HS_1D_AR	mg/kg	10	NONE	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856914
Sample Reference				TP726
Sample Number				None Supplied
Depth (m)				0.70
Date Sampled				23/10/2023
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Pesticides				
Alachlor	µg/kg	10	NONE	-
Aldrin	µg/kg	10	NONE	-
Azinphos-ethyl	µg/kg	10	NONE	-
Azinphos-methyl	µg/kg	10	NONE	-
BHC-alpha (benzene hexachloride)	µg/kg	10	NONE	-
BHC-beta	µg/kg	10	NONE	-
BHC-delta	µg/kg	10	NONE	-
BHC-gamma (Lindane, gamma HCH)	µg/kg	10	NONE	-
Bifenthrin	µg/kg	10	NONE	-
Carbophenothion	µg/kg	10	NONE	-
Chlordane-cis	µg/kg	10	NONE	-
Chlordane-trans	µg/kg	10	NONE	-
Chlorfenvinphos	µg/kg	10	NONE	-
Chlorothalonil	µg/kg	20	NONE	-
Chlorpyrifos	µg/kg	10	NONE	-
Cyfluthrin (Sum)	µg/kg	10	NONE	-
Cyhalothrin (Lambda)	µg/kg	10	NONE	-
Cypermethrin (Sum)	µg/kg	10	NONE	-
DDD-o,p'	µg/kg	10	NONE	-
DDD-p,p'	µg/kg	10	NONE	-
DDE-o,p'	µg/kg	10	NONE	-
DDE-p,p'	µg/kg	10	NONE	-
DDT-o,p'	µg/kg	10	NONE	-
DDT-p,p'	µg/kg	10	NONE	-
Deltamethrin	µg/kg	10	NONE	-
Demeton-O	µg/kg	10	NONE	-
Demeton-S	µg/kg	10	NONE	-
Diazinon	µg/kg	10	NONE	-
Dichlorobenzonitrile, 2,6-	µg/kg	10	NONE	-
Dichlorvos	µg/kg	10	NONE	-
Dieldrin	µg/kg	10	NONE	-
Dimethoate	µg/kg	10	NONE	-
Dimethylvinphos	µg/kg	10	NONE	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-
Endosulfan sulfate	µg/kg	10	NONE	-
Endrin	µg/kg	20	NONE	-
Endrin aldehyde	µg/kg	10	NONE	-
Endrin ketone	µg/kg	10	NONE	-
Ethion	µg/kg	10	NONE	-
Etrimfos	µg/kg	10	NONE	-
Fenitrothion	µg/kg	10	NONE	-
Fenthion	µg/kg	10	NONE	-
Fenvalerate (Sum)	µg/kg	10	NONE	-
Heptachlor	µg/kg	10	NONE	-
Heptachlor exo-epoxide	µg/kg	10	NONE	-
Hexachlorobenzene	µg/kg	10	NONE	-
Hexachlorobutadiene	µg/kg	10	NONE	-
Isodrin	µg/kg	20	NONE	-
Malathion	µg/kg	10	NONE	-
Methacrifos	µg/kg	10	NONE	-
Methoxychlor, p,p'-	µg/kg	20	NONE	-

Analytical Report Number: 23-64744
Project / Site name: Finchwood Park
Your Order No: 41623

Lab Sample Number				2856914
Sample Reference				TP726
Sample Number				None Supplied
Depth (m)				0.70
Date Sampled				23/10/2023
Time Taken				None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
Mevinphos, E+Z	µg/kg	10	NONE	-
Omethoate	µg/kg	20	NONE	-
Parathion	µg/kg	10	NONE	-
Parathion-methyl	µg/kg	10	NONE	-
Pendimethalin	µg/kg	10	NONE	-
Pentachlorobenzene	µg/kg	10	NONE	-
Permethrin, Cis-	µg/kg	10	NONE	-
Permethrin, Trans-	µg/kg	10	NONE	-
Phorate	µg/kg	10	NONE	-
Phosalone	µg/kg	10	NONE	-
Phosphamidon (Sum)	µg/kg	10	NONE	-
Pirimiphos-ethyl	µg/kg	10	NONE	-
Pirimiphos-methyl	µg/kg	10	NONE	-
Propetamphos	µg/kg	10	NONE	-
Propyzamide	µg/kg	10	NONE	-
Tecnazene	µg/kg	10	NONE	-
Tetrachlorobenzene, 1,2,4,5-	µg/kg	10	NONE	-
Trichlorobenzene, 1,2,3-	µg/kg	10	NONE	-
Trichlorobenzene, 1,3,5-	µg/kg	10	NONE	-
Trifluralin	µg/kg	10	NONE	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 23-64744
Project / Site name: Finchwood Park

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2856889	TP703	None Supplied	0.35	Brown sand with gravel.
2856890	TP704	None Supplied	0.35	Brown sand with gravel.
2856891	TP705	None Supplied	0.35	Brown sand with gravel.
2856892	TP715	None Supplied	0.2	Brown loam and clay with gravel and vegetation.
2856893	TP715	None Supplied	0.80-1.20	Brown clay.
2856894	TP717	None Supplied	0.15	Brown loam and clay with gravel and vegetation.
2856895	TP717	None Supplied	1.2	Brown clay and sand.
2856896	TP718	None Supplied	0.2	Brown clay and loam with gravel and vegetation.
2856897	TP718	None Supplied	1.1	Brown clay and sand with gravel.
2856898	TP719	None Supplied	0.2	Brown clay and sand with gravel.
2856899	TP719	None Supplied	0.7	Brown clay and sand.
2856900	TP720	None Supplied	0.3	Brown clay and loam with gravel and vegetation.
2856901	TP720	None Supplied	1.5	Brown clay and sand.
2856902	TP722	None Supplied	0.2	Brown clay and sand with gravel.
2856903	TP722	None Supplied	1.5	Brown sandy clay with gravel.
2856904	TP721	None Supplied	0.2	Brown sandy clay with gravel.
2856905	TP723	None Supplied	0.15	Brown clay and sand with gravel.
2856906	TP724	None Supplied	0.15	Brown clay and sand with gravel.
2856907	TP725	None Supplied	0.15	Brown clay and sand with gravel and vegetation.
2856908	TP726	None Supplied	0.15	Brown clay and sand with gravel and vegetation.
2856909	TP727	None Supplied	0.2	Brown clay and sand with gravel and vegetation.
2856910	TP723	None Supplied	1.3	Brown sandy clay with gravel.
2856911	TP721	None Supplied	1	Brown sandy clay with gravel.
2856912	TP722	None Supplied	0.9	Brown sandy clay with gravel.
2856913	TP724	None Supplied	0.5	Brown sandy clay with gravel.
2856914	TP726	None Supplied	0.7	Brown sandy clay with gravel.

Analytical Report Number : 23-64744
Project / Site name: Finchwood Park

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards. Refer to CoA for analyte specific accreditation.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260. Refer to CoA for analyte specific accreditation	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID. Refer to CoA for band specific accreditation.	In-house method with silica gel split/clean up.	L088/76-PL	D	MCERTS
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B-PL	W	NONE
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS

Analytical Report Number : 23-64744
Project / Site name: Finchwood Park

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Total Sulphur in soil as %	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

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Analytical Report Number : 24-038320

Project / Site name:	Hogwood Farm, Finchamsptead Phase 3	Samples received on:	23/08/2024
Your job number:	41623	Samples instructed on/ Analysis started on:	23/08/2024
Your order number:		Analysis completed by:	30/08/2024
Report Issue Number:	1	Report issued on:	02/09/2024
Samples Analysed:	2 soil samples		

Sig[redacted]

Joa[redacted]
Reporting Specialist
For & on behalf of i2 Analytical Ltd.

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

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

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

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

Excel copies of reports are only valid when accompanied by this PDF certificate.

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

Analytical Report Number: 24-038320
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297291	297292
Sample Reference				TPE (P16) - ES101	TPE (P16) - ES102
Sample Number				None Supplied	None Supplied
Depth (m)				0.20	0.60
Date Sampled				21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	7.5	12
Total mass of sample received	kg	0.1	NONE	0.8	0.9

General Inorganics

pH (L099)	pH Units	N/A	MCERTS	7.9	7
Total Sulphate as SO_4	%	0.005	MCERTS	-	0.023
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	71
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.0356
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	35.6
Total Sulphur	mg/kg	50	MCERTS	-	73
Total Sulphur	%	0.005	MCERTS	-	0.007

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.8	8.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	13	28
Copper (aqua regia extractable)	mg/kg	1	MCERTS	4.3	5.4
Lead (aqua regia extractable)	mg/kg	1	MCERTS	12	7.2
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	4.8	8.5
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	23	29

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 24-038320
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
297291	TPE (P16) - ES10	None Supplied	0.2	Brown sandy loam with gravel and vegetation
297292	TPE (P16) - ES10	None Supplied	0.6	Brown loam and clay with gravel and vegetation

Analytical Report Number : 24-038320
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

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Analytical Report Number : 24-038329

Replaces Analytical Report Number: 24-038329, issue no. 1
Additional analysis undertaken.
OCP+OPP has been added to samples 297347 & 297357 as per client's request.

Project / Site name:	Hogwood Farm, Finchamsptead Phase 3	Samples received on:	23/08/2024
Your job number:	41623	Samples instructed on/ Analysis started on:	23/08/2024
Your order number:		Analysis completed by:	13/09/2024
Report Issue Number:	2	Report issued on:	18/09/2024
Samples Analysed:	14 soil samples		

Sig [redacted]

Rach
Key Account Manager
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297345	297346	297347	297348	297349
Sample Reference				TPA (P6) - ES101	TPA (P6) - ES102	TPB (P6) - ES101	TPB (P6) - ES102	TPC (P6) - ES101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.70	0.20	0.60	0.20
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	11	12	14	11
Total mass of sample received	kg	0.1	NONE	0.9	0.8	0.9	0.8	0.9
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.5	7.9	6.9	7.5	8.3
Total Sulphate as SO_4	%	0.005	MCERTS	-	0.051	-	0.031	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	530	-	120	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.263	-	0.0614	-
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	263	-	61.4	-
Total Sulphur	mg/kg	50	MCERTS	-	180	-	180	-
Total Sulphur	%	0.005	MCERTS	-	0.018	-	0.018	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.12	< 0.05	0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.1	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	0.15	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.09	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.08	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.07	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	0.85	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	7.4	11	6.1	7.6	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	23	41	22	26	37
Copper (aqua regia extractable)	mg/kg	1	MCERTS	9.9	13	7.6	6.8	15
Lead (aqua regia extractable)	mg/kg	1	MCERTS	21	10	18	10	21
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	8.8	9.7	7	10	25
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	44	42	35	39	60

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297345	297346	297347	297348	297349
Sample Reference				TPA (P6) - ES101	TPA (P6) - ES102	TPB (P6) - ES101	TPB (P6) - ES102	TPC (P6) - ES101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.70	0.20	0.60	0.20
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Pesticides								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	< 10	-	-
Alachlor	µg/kg	10	NONE	-	-	< 10	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	< 10	-	-
Omethoate	µg/kg	10	NONE	-	-	< 10	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	< 10	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	< 10	-	-
Demeton-O	µg/kg	10	NONE	-	-	< 10	-	-
Demeton-S	µg/kg	10	NONE	-	-	< 10	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	< 10	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	< 10	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	< 10	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	< 10	-	-
Etrimfos	µg/kg	10	NONE	-	-	< 10	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	< 10	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	< 10	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	< 10	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	-
Propetamphos	µg/kg	10	NONE	-	-	< 10	-	-
Tecnazene	µg/kg	10	NONE	-	-	< 10	-	-
Aldrin	µg/kg	10	NONE	-	-	< 10	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Beta-BHC	µg/kg	10	NONE	-	-	< 10	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	< 10	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	< 10	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	< 10	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	< 10	-	-
Carbophenothion	µg/kg	10	NONE	-	-	< 10	-	-
Delta-BHC	µg/kg	10	NONE	-	-	< 10	-	-
Dieldrin	µg/kg	10	NONE	-	-	< 10	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	< 10	-	-
Endrin	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	< 10	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	< 10	-	-
Fenthion	µg/kg	10	NONE	-	-	< 10	-	-
Isodrin	µg/kg	10	NONE	-	-	< 10	-	-
Methacrifos	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	-
Parathion	µg/kg	10	NONE	-	-	< 10	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Phorate	µg/kg	10	NONE	-	-	< 10	-	-
Phosalone	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	< 10	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	< 10	-	-

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297345	297346	297347	297348	297349
Sample Reference				TPA (P6) - ES101	TPA (P6) - ES102	TPB (P6) - ES101	TPB (P6) - ES102	TPC (P6) - ES101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.70	0.20	0.60	0.20
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	< 10	-	-
Triazophos	µg/kg	10	NONE	-	-	< 10	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	< 10	-	-
Dichlorvos	µg/kg	10	NONE	-	-	< 10	-	-
Dimethoate	µg/kg	10	NONE	-	-	< 10	-	-
Diazinon	µg/kg	10	NONE	-	-	< 10	-	-
Ethion	µg/kg	10	NONE	-	-	< 10	-	-
Fenitrothion	µg/kg	10	NONE	-	-	< 10	-	-
Malathion	µg/kg	10	NONE	-	-	< 10	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	< 10	-	-
Trifluralin	µg/kg	10	NONE	-	-	< 10	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	< 10	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297350	297351	297352	297353	297354
Sample Reference				TPC (P6) - ES102	TPA (P16) - ES101	TPA (P16) - ES102	TPB (P16) - ES101	TPB (P16) - ES102
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.60	0.20	0.50	0.20	0.60
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	14	14	11	14
Total mass of sample received	kg	0.1	NONE	0.8	0.9	0.8	0.9	0.8
General Inorganics								
pH (L099)	pH Units	N/A	MCERTS	7.4	7.9	8.3	7.7	7.8
Total Sulphate as SO_4	%	0.005	MCERTS	0.023	-	0.024	-	0.019
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	130	-	140	-	78
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0666	-	0.0675	-	0.0388
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	66.6	-	67.5	-	38.8
Total Sulphur	mg/kg	50	MCERTS	150	-	160	-	99
Total Sulphur	%	0.005	MCERTS	0.015	-	0.016	-	0.01
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	10	6.4	5.9	6.8	11
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	38	17	23	17	32
Copper (aqua regia extractable)	mg/kg	1	MCERTS	5.6	5.8	4.4	4.6	5.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	11	19	12	13	12
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	11	5.6	6.4	6	13
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	1
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	36	36	33	33	59

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297350	297351	297352	297353	297354
Sample Reference				TPC (P6) - ES102	TPA (P16) - ES101	TPA (P16) - ES102	TPB (P16) - ES101	TPB (P16) - ES102
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.60	0.20	0.50	0.20	0.60
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
Pesticides								
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	-	-	-
Alachlor	µg/kg	10	NONE	-	-	-	-	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	-	-	-
Omethoate	µg/kg	10	NONE	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	-	-	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	-	-	-
Dimethylvinphos	µg/kg	10	NONE	-	-	-	-	-
Demeton-O	µg/kg	10	NONE	-	-	-	-	-
Demeton-S	µg/kg	10	NONE	-	-	-	-	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	-	-	-
Endrin Ketone	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	-	-	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	-	-	-
Etrimfos	µg/kg	10	NONE	-	-	-	-	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	-	-	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	-	-	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	-	-	-
Propetamphos	µg/kg	10	NONE	-	-	-	-	-
Tecnazene	µg/kg	10	NONE	-	-	-	-	-
Aldrin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Beta-BHC	µg/kg	10	NONE	-	-	-	-	-
Cis-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	-	-	-
Chlorpyrifos	µg/kg	10	NONE	-	-	-	-	-
Chlorothalonil	µg/kg	10	NONE	-	-	-	-	-
Carbophenothion	µg/kg	10	NONE	-	-	-	-	-
Delta-BHC	µg/kg	10	NONE	-	-	-	-	-
Dieldrin	µg/kg	10	NONE	-	-	-	-	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	-	-	-
Endrin	µg/kg	10	NONE	-	-	-	-	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	-	-	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	-	-	-
Fenthion	µg/kg	10	NONE	-	-	-	-	-
Isodrin	µg/kg	10	NONE	-	-	-	-	-
Methacrifos	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
O,p'-DDT	µg/kg	10	NONE	-	-	-	-	-
Parathion	µg/kg	10	NONE	-	-	-	-	-
Parathion-methyl	µg/kg	10	NONE	-	-	-	-	-
Phorate	µg/kg	10	NONE	-	-	-	-	-
Phosalone	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDD	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDE	µg/kg	10	NONE	-	-	-	-	-
P,p'-DDT	µg/kg	10	NONE	-	-	-	-	-

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297350	297351	297352	297353	297354
Sample Reference				TPC (P6) - ES102	TPA (P16) - ES101	TPA (P16) - ES102	TPB (P16) - ES101	TPB (P16) - ES102
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.60	0.20	0.50	0.20	0.60
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status					
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	-	-	-
Triazophos	µg/kg	10	NONE	-	-	-	-	-
Trans-Chlordane	µg/kg	10	NONE	-	-	-	-	-
Dichlorvos	µg/kg	10	NONE	-	-	-	-	-
Dimethoate	µg/kg	10	NONE	-	-	-	-	-
Diazinon	µg/kg	10	NONE	-	-	-	-	-
Ethion	µg/kg	10	NONE	-	-	-	-	-
Fenitrothion	µg/kg	10	NONE	-	-	-	-	-
Malathion	µg/kg	10	NONE	-	-	-	-	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	-	-	-
Trifluralin	µg/kg	10	NONE	-	-	-	-	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297355	297356	297357	297358
Sample Reference				TPC (P16) - ES101	TPC (P16) - ES102	TPD (P16) - ES101	TPD (P16) - ES102
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.60	0.20	0.50
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	12	13	10	11
Total mass of sample received	kg	0.1	NONE	0.9	0.8	0.9	0.9
General Inorganics							
pH (L099)	pH Units	N/A	MCERTS	7.4	7.8	7.4	7.5
Total Sulphate as SO_4	%	0.005	MCERTS	-	0.019	-	0.013
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	48	-	25
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.0242	-	0.0123
Water Soluble SO_4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	24.2	-	12.3
Total Sulphur	mg/kg	50	MCERTS	-	89	-	60
Total Sulphur	%	0.005	MCERTS	-	0.009	-	0.006
Speciated PAHs							
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH							
Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	< 0.80	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids							
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.8	10	5	10
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	27	12	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	7.7	6.6	4.7	5.6
Lead (aqua regia extractable)	mg/kg	1	MCERTS	19	10	14	8.4
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	5.5	7.8	3.6	7.2
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	37	32	24	26

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297355	297356	297357	297358
Sample Reference				TPC (P16) - ES101	TPC (P16) - ES102	TPD (P16) - ES101	TPD (P16) - ES102
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.60	0.20	0.50
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				
Pesticides							
Alpha-BHC (Benzene Hexachloride)	µg/kg	10	NONE	-	-	< 10	-
Alachlor	µg/kg	10	NONE	-	-	< 10	-
Gamma-BHC (Lindane, gamma HCH)	µg/kg	10	NONE	-	-	< 10	-
Omethoate	µg/kg	10	NONE	-	-	< 10	-
1,2,3-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-
1,3,5-Trichlorobenzene	µg/kg	10	NONE	-	-	< 10	-
2,6-Dichlorobenzonitrile	µg/kg	10	NONE	-	-	< 10	-
Dimethylvinphos	µg/kg	10	NONE	-	-	< 10	-
Demeton-O	µg/kg	10	NONE	-	-	< 10	-
Demeton-S	µg/kg	10	NONE	-	-	< 10	-
Endrin Aldehyde	µg/kg	10	NONE	-	-	< 10	-
Endrin Ketone	µg/kg	10	NONE	-	-	< 10	-
Hexachlorobutadiene	µg/kg	10	NONE	-	-	< 10	-
Phosphamidon (Sum)	µg/kg	10	NONE	-	-	< 10	-
1,2,4,5-Tetrachlorobenzene	µg/kg	10	NONE	-	-	< 10	-
Endosulfan sulfate	µg/kg	10	NONE	-	-	< 10	-
Etrimfos	µg/kg	10	NONE	-	-	< 10	-
Fenvalerate (Sum)	µg/kg	10	NONE	-	-	< 10	-
Hexachlorobenzene	µg/kg	10	NONE	-	-	< 10	-
Mevinphos, E+Z	µg/kg	10	NONE	-	-	< 10	-
Pentachlorobenzene	µg/kg	10	NONE	-	-	< 10	-
Pirimiphos-ethyl	µg/kg	10	NONE	-	-	< 10	-
Propetamphos	µg/kg	10	NONE	-	-	< 10	-
Tecnazene	µg/kg	10	NONE	-	-	< 10	-
Aldrin	µg/kg	10	NONE	-	-	< 10	-
Azinphos-methyl	µg/kg	10	NONE	-	-	< 10	-
Beta-BHC	µg/kg	10	NONE	-	-	< 10	-
Cis-Chlordane	µg/kg	10	NONE	-	-	< 10	-
Chlorfenvinphos	µg/kg	10	NONE	-	-	< 10	-
Chlorpyrifos	µg/kg	10	NONE	-	-	< 10	-
Chlorothalonil	µg/kg	10	NONE	-	-	< 10	-
Carbophenothion	µg/kg	10	NONE	-	-	< 10	-
Delta-BHC	µg/kg	10	NONE	-	-	< 10	-
Dieldrin	µg/kg	10	NONE	-	-	< 10	-
Heptachlor Exo-epoxide	µg/kg	10	NONE	-	-	< 10	-
Endrin	µg/kg	10	NONE	-	-	< 10	-
Endosulfan I (alpha isomer)	µg/kg	10	NONE	-	-	< 10	-
Endosulfan II (beta isomer)	µg/kg	10	NONE	-	-	< 10	-
Fenthion	µg/kg	10	NONE	-	-	< 10	-
Isodrin	µg/kg	10	NONE	-	-	< 10	-
Methacrifos	µg/kg	10	NONE	-	-	< 10	-
O,p'-DDD	µg/kg	10	NONE	-	-	< 10	-
O,p'-DDE	µg/kg	10	NONE	-	-	< 10	-
O,p'-DDT	µg/kg	10	NONE	-	-	< 10	-
Parathion	µg/kg	10	NONE	-	-	< 10	-
Parathion-methyl	µg/kg	10	NONE	-	-	< 10	-
Phorate	µg/kg	10	NONE	-	-	< 10	-
Phosalone	µg/kg	10	NONE	-	-	< 10	-
P,p'-DDD	µg/kg	10	NONE	-	-	< 10	-
P,p'-DDE	µg/kg	10	NONE	-	-	< 10	-
P,p'-DDT	µg/kg	10	NONE	-	-	< 10	-

Analytical Report Number: 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Lab Sample Number				297355	297356	297357	297358
Sample Reference				TPC (P16) - ES101	TPC (P16) - ES102	TPD (P16) - ES101	TPD (P16) - ES102
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.60	0.20	0.50
Date Sampled				21/08/2024	21/08/2024	21/08/2024	21/08/2024
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Test Limit of detection	Test Accreditation Status				
P,p'-Methoxychlor	µg/kg	10	NONE	-	-	< 10	-
Triazophos	µg/kg	10	NONE	-	-	< 10	-
Trans-Chlordane	µg/kg	10	NONE	-	-	< 10	-
Dichlorvos	µg/kg	10	NONE	-	-	< 10	-
Dimethoate	µg/kg	10	NONE	-	-	< 10	-
Diazinon	µg/kg	10	NONE	-	-	< 10	-
Ethion	µg/kg	10	NONE	-	-	< 10	-
Fenitrothion	µg/kg	10	NONE	-	-	< 10	-
Malathion	µg/kg	10	NONE	-	-	< 10	-
Pirimiphos-methyl	µg/kg	10	NONE	-	-	< 10	-
Trifluralin	µg/kg	10	NONE	-	-	< 10	-
Azinphos-ethyl	µg/kg	10	NONE	-	-	< 10	-

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

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* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
297345	TPA (P6) - ES101	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297346	TPA (P6) - ES102	None Supplied	0.7	Brown clay
297347	TPB (P6) - ES101	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297348	TPB (P6) - ES102	None Supplied	0.6	Brown clay
297349	TPC (P6) - ES101	None Supplied	0.2	Brown loam and clay with gravel and vegetation
297350	TPC (P6) - ES102	None Supplied	0.6	Brown clay
297351	TPA (P16) - ES10	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297352	TPA (P16) - ES10	None Supplied	0.5	Brown clay and sand with gravel
297353	TPB (P16) - ES10	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297354	TPB (P16) - ES10	None Supplied	0.6	Brown loam and clay with gravel and vegetation
297355	TPC (P16) - ES10	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297356	TPC (P16) - ES10	None Supplied	0.6	Brown clay
297357	TPD (P16) - ES10	None Supplied	0.2	Brown loam and sand with gravel and vegetation
297358	TPD (P16) - ES10	None Supplied	0.5	Brown clay and sand with gravel

Analytical Report Number : 24-038329
Project / Site name: Hogwood Farm, Finchamsptead Phase 3

Water matrix abbreviations:
Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically (up to 30°C)	In-house method	L019B	W	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight	In-house method based on British Standard Methods and MCERTS requirements.	L019B	D	NONE
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil	L038B	D	MCERTS
Total sulphate (as SO4 in soil)	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES	In-house method	L038B	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Sulphate, water soluble, in soil (16hr extraction)	In-house method	L038B	D	MCERTS
Total Sulphur in soil	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES	In-house method	L038B	D	MCERTS
Pesticides by GC-MS/MS	Detemination of Pesticides in soil by GC MS/MS	In-house method	L055B	W	NONE
Speciated PAHs and/or Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds (including PAH) in soil by extraction in dichloromethane and hexane followed by GC-MS	In-house method based on USEPA 8270	L064B	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry	In-house method	L080-PL	W	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement	In-house method	L099-PL	D	MCERTS

For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).
For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).
For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.
Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.
Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Quality control parameter failure associated with individual result applies to calculated sum of individuals.
The result for sum should be interpreted with caution

Inorganic Compounds	Human Health - Residential with Homegrown Produce (mg/kg)
Arsenic	37
Cadmium	11
Chromium (III)	910
Chromium (VI)	6
Lead	200
Mercury	1.2
Nickel	180
Selenium	250
Copper	2400
Zinc	3700

Organic Compounds	Human Health - Residential with Homegrown Produce (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	2.3	5.6	13
Acenaphthene	210	510	1100
Acenaphthylene	170	420	920
Fluorene	170	400	860
Phenanthrene	95	220	440
Anthracene	2400	5400	11000
Fluoranthene	280	560	890
Pyrene	620	1200	2000
Benzo(a)anthracene	7.2	11	13
Chrysene	15	22	27
Benzo(b)fluoranthene	2.6	3.3	3.7
Benzo(k)fluoranthene	77	93	100
Benzo(a)pyrene	2.2	2.7	3.0
Dibenz(a,h)anthracene	0.24	0.28	0.3
Indeno(1,2,3-cd)pyrene	27	36	41
Benzo(g,h,i)perylene	320	340	350
Benzene	0.087	0.17	0.37
Toluene	130	290	660
Ethylbenzene	47	110	260
o-Xylene	60	140	330
m-Xylene	59	140	320
p-Xylene	56	130	310

Prepared	LM	Checked	RAN	Date	19.11.24	Job No	41623

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CALA HOMES THAMES AND LEGAL & GENERAL HOMES LTD

PARCEL 16 HOGWOOD FARM (FINCHWOOD PARK)

ASSESSMENT CRITERIA – RESIDENTIAL WITH HOMEGROWN PRODUCE

Contaminant	Phytotoxicity			
	pH 5.0 to 5.5	pH 5.5 to 6.0	pH 6.0 to 7.0	pH >7.0
Arsenic	50			
Cadmium	3			
Chromium	400			
Lead	300			
Mercury	1			
Nickel	50	60	75	110
Copper	80	100	135	200
Zinc	200	200	200	300

The assessment concentration for lead is the Category 4 Screening Level produced by Contaminated Land: Applications in Real Environments (CL:AIRE) and outlined in Appendix H of their report SP1010. The others have been taken from Nathanail, C. P., McCaffrey, C., Gillett, A., Ogden, R., and Nathanail, J., 2015, *'The LQM/CIEH S4ULs for Human Health Risk Assessment'*, Land Quality Press, Nottingham. The metals/metalloids are based on a sandy loam soil and 6% soil organic matter. The assessment values are not intended to be applied to individual sample results where materials are similar, as the levels of contaminants will have a natural variability across the site. Instead, the modified mean value should be compared with the assessment concentration.

The assessment values for phytotoxicity are the levels at which plant growth is thought to be affected. They are taken from the maximum permissible and advisable concentrations in soil after application of soil sludge given in the *'The Code of Good Agricultural Practice for the Protection of Soil*', MAFF, 1998.

The assessment of sulphate, water soluble sulphate, elemental sulphur and sulphide is to determine the aggressive nature of the ground with respect to concrete and consequently the results are compared with BRE Special Digest 1:2005 '*Concrete in Aggressive Ground*'.

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ASSESSMENT CRITERIA – RESIDENTIAL WITH HOMEGROWN PRODUCE

TPH Fraction	Intended Land Use Residential (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Aliphatic EC 5-6	42	78	160
Aliphatic EC >6-8	100	230	530
Aliphatic EC >8-10	27	65	150
Aliphatic EC >10-12	130 (48)[vap]	330 (118)[vap]	760 (283)[vap]
Aliphatic EC >12-16	1100 (24)[sol]	2400 (59)[sol]	4,300 (142)[sol]
Aliphatic EC >16-35	65,000 (8.48)[f,sol]	92,000 (21)[f,sol]	110,000[f]
Aliphatic EC >35-44	65,000 (8.48)[f, sol]	92,000 (21)[f,sol]	110,000[f]
Aromatic EC 5-7	70	140	300
Aromatic EC >7-8	130	290	660
Aromatic EC>8-10	34	83	190
Aromatic EC >10-12	74	180	380
Aromatic EC >12-16	140	330	660
Aromatic EC >16-21	260[f]	540[f]	930[f]
Aromatic EC >21-35	1,100[f]	1,500[f]	1,700[f]
Aromatic EC >35-44	1,100[f]	1,500[f]	1,700[f]

[f] oral, dermal, and inhalation exposure compared with oral HCV

[sol] S4UL presented exceeds the solubility saturation limit, which is presented in brackets

[vap] S4UL presented exceed the vapour saturation limit, which is presented in brackets

The assessment criteria for each of the petroleum hydrocarbon fractions have been taken from Nathanail, C. P., McCaffrey, C., Gillett, A., Ogden, R., and Nathanail, J., 2015, *'The LQM/CIEH S4ULs for Human Health Risk Assessment'*, Land Quality Press, Nottingham. These are also all based on a sandy loam soil.

Within the Environment Agency Science Report P5-080/TR3, Askari, K. & Pollard, S., 2005 *'The UK Approach for Evaluating Human Health Risks from Petroleum Hydrocarbons in Soils'* it is stated that the assessment values should not be considered individually; instead the potential additive effects should be calculated. This is achieved by calculating an individual Hazard Quotient (HQ) for each fraction. The HQ is the proportion of the assessment concentration represented by the recorded concentration. The HQs are then added together to form a Hazard Index (HI) and where this exceeds unity a potential significant risk to human health may exist.

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PARCEL 16 HOGWOOD FARM (FINCHWOOD PARK)

ASSESSMENT CRITERIA – RESIDENTIAL WITH HOMEGROWN PRODUCE

Inorganics	Intended Land Use
	Allotment (mg/kg)
Arsenic	43
Cadmium	1.9
Chromium (III)	18000
Chromium (VI)	1.8
Lead	200
Mercury	6
Nickel	230
Selenium	88
Copper	520
Zinc	620

The assessment values for arsenic, cadmium, mercury, nickel and selenium have been taken from Nathanail, C. P., McCaffrey, C., Ashmore, M. H., Cheng, Y. Y., Gillett, A., Ogden, R. & Scott, D., 2009 'The LQM/CIEH S4ULs for Human Health Risk Assessment', Land Quality Press, Nottingham. They are based on a sandy loam soil and 6% soil organic matter. The assessment concentration for lead is the Category 4 Screening Level produced by Contaminated Lane; Applications in Real Environments (CL:AIRE) and outlined in Appendix H of their report SP1010.

The assessment criteria for chromium III, chromium VI, and the sixteen polycyclic aromatic hydrocarbon (PAH) species covered under the USEPA test have been taken from Nathanail, C. P., McCaffrey, C., Ashmore, M. H., Cheng, Y. Y., Gillett, A., Ogden, R. & Scott, D., 2009 'The LQM/CIEH S4ULs for Human Health Risk Assessment', Land Quality Press, Nottingham. These are also all based on a sandy loam soil and 6% soil organic matter. These are also all based on a sandy loam soil.

With the exception of copper and zinc, the assessment values are not intended to be applied to individual sample results where materials are similar, as the levels of contaminants will have a natural variability across the site. The modified mean value should instead be compared with the SGV.

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PARCEL 16 HOGWOOD FARM (FINCHWOOD PARK)

ASSESSMENT CRITERIA – ALLOTMENT

Organic Compounds	Intended Land Use Residential (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	4.1	10	24
Acenaphthene	34	85	200
Acenaphthylene	28	69	160
Fluorene	27	67	160
Phenanthrene	15	38	90
Anthracene	380	950	2200
Fluoranthene	52	130	290
Pyrene	110	270	620
Benzo(a)anthracene	2.9	6.5	13
Chrysene	4.1	9.4	19
Benzo(b)fluoranthene	0.9	2.1	3.9
Benzo(k)fluoranthene	37	75	130
Benzo(a)pyrene	0.97	2.0	3.5
Dibenz(a,h)anthracene	0.14	0.27	0.43
Indeno(1,2,3-cd)pyrene	9.5	21	39
Benzo(g,h,i)perylene	290	470	640

The assessment values for the metals copper and zinc are levels at which plant growth is thought to be affected. The assessment values for copper and zinc are taken from the maximum permissible and advisable concentrations in soil after application of soil sludge given in the *'The Code of Good Agricultural Practice for the Protection of Soil*', MAFF, 1998.

The assessment of sulphate, water soluble sulphate, elemental sulphur and sulphide is to determine the aggressive nature of the ground with respect to concrete and consequently the results are compared with BRE Special Digest 1:2005 '*Concrete in Aggressive Ground*'.

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PARCEL 16 HOGWOOD FARM (FINCHWOOD PARK)

ASSESSMENT CRITERIA – ALLOTMENT

Contaminant	Intended Land Use Public Open Space – Public Park (mg/kg)				
	Human Health	Phytoxicity			
		pH 5.0-5.5	pH 5.5-6.0	pH 6.0-6.5	pH >7.0
Arsenic	170	50			
Cadmium	532	3			
Chromium (III)	33000	400			
Chromium (VI)	220	-			
Lead	580	300			
Mercury	240	1			
Nickel	3400	50	60	75	110
Selenium	1800				
Copper	44000	80	100	135	200
Zinc	170000	200	200	200	300

Notes:

The assessment concentrations for arsenic, cadmium, chromium (III), chromium (VI), copper, nickel, mercury, selenium and zinc are taken from Nathanail, C.P., McCaffrey, C., Gillett, A.G., Ogden, R.C., and Nathanail, J.F., 2015, 'The LQM/CIEH S4ULs for Human Health Risk Assessment', Land Quality Press, Nottingham. These are also all based on a sandy loam soil and 6% soil organic matter.

The assessment concentration for lead is the Category 4 Screening Level produced by Contaminated Land: Applications in Real Environments (CL:AIRE) and outlined in Appendix H of their report SP1010.

The assessment values are not intended to be applied to individual sample results where materials are similar, as the levels of contaminants will have a natural variability across the site. Instead, the modified mean value should be compared with the assessment concentration.

The assessment values for phytotoxicity are the levels at which plant growth is thought to be affected. They are taken from the maximum permissible and advisable concentrations in soil after application of soil sludge given in the *'The Code of Good Agricultural Practice for the Protection of Soil*', MAFF, 1998.

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PARCEL 16 HOGWOOD FARM (FINCHWOOD PARK)

ASSESSMENT CRITERIA – PUBLIC OPEN SPACE - PARK

Organic Compounds	Human Health – Public Open Space – Public Park (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	1200 (76.4)[sol]	1900 (183)[sol]	3000
Acenaphthene	29000	30000	30000
Acenaphthylene	29000	30000	30000
Fluorene	20000	20000	20000
Phenanthrene	6200	6200	6300
Anthracene	150000	150000	150000
Fluoranthene	6300	6300	6400
Pyrene	15000	15000	15000
Benz(a)anthracene	49	56	62
Chrysene	93	110	120
Benzo(b)fluoranthene	13	15	16
Benzo(k)fluoranthene	370	410	440
Benzo(a)pyrene	11	12	13
Dibenz(a,h)anthracene	1.1	1.3	1.4
Indeno(1,2,3-cd)pyrene	150	170	180
Benzo(g,h,i)perylene	1400	1500	1600
Phenol	760 [dir]	1500 [dir]	3200 [dir]
Benzene	90	100	110
Toluene	87000[vap] (869)	95000[vap] (1920)	100000[vap] (4360)
Ethylbenzene	17000[vap] (518)	22000[vap] (1220)	27000[vap] (2840)
o-Xylene	17000[sol] (478)	24000[sol] (1120)	33000[sol] (2620)
m-Xylene	17000[vap] (625)	24000[vap] (1470)	32000[vap] (3460)
p-Xylene	17000[sol] (576)	23000[sol] (1350)	31000[sol] (3170)

[sol] = S4ULs presented exceeds the solubility saturation limit, which is presented in brackets.

[vap] = S4ULs presented exceeds the vapour saturation limit, which is presented in brackets.

[dir] = S4ULs Based pm a threshold protective of direct skin contact with phenol.

The assessment criteria for the sixteen polycyclic aromatic hydrocarbon (PAH) species covered under the USEPA test, Phenol and BTEX have been taken from Nathanail, C.P., McCaffrey, C., Gillett, A.G., Ogden, R.C., and Nathanail, J.F., 2015, 'The LQM/CIEH S4ULs for Human Health Risk Assessment', Land Quality Press, Nottingham. These are also all based on a sandy loam soil and 6% soil organic matter. This is also the case for phenol at 1% and 2.5% SOM. These are also all based on a sandy loam soil.

Prepared	LM	Checked	RAN	Date	19.11.24	Job No	41623

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CALA HOMES THAMES AND LEGAL & GENERAL HOMES LTD

PARCEL 16 HOGWOOD FARM (FINCHWOOD PARK)

ASSESSMENT CRITERIA – PUBLIC OPEN SPACE - PARK

Inorganic Compounds	Human Health – Public Open Space Near Housing (mg/kg)
Arsenic	79
Cadmium	120
Chromium (III)	1500
Chromium (VI)	7.7
Lead	270-760
Mercury	16
Nickel	230
Selenium	1100
Copper	12000
Zinc	81000

Organic Compounds	Human Health – Public Open Space Near Housing (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	4900	4900	4900
Acenaphthene	15000	15000	15000
Acenaphthylene	15000	15000	15000
Fluorene	9900	9900	9900
Phenanthrene	3100	3100	3100
Anthracene	74000	74000	74000
Fluoranthene	3100	3100	3100
Pyrene	7400	7400	7400
Benzo(a)anthracene	29	29	29
Chrysene	57	57	57
Benzo(b)fluoranthene	7.1	7.2	7.2
Benzo(k)fluoranthene	190	190	190
Benzo(a)pyrene	5.7	5.7	5.7
Dibenz(a,h)anthracene	0.57	0.57	0.58
Indeno(1,2,3-cd)pyrene	82	82	82
Benzo(g,h,i)perylene	640	640	640
Benzene	72	72	73
Toluene	56000	56000	56000
Ethylbenzene	24000	24000	25000
o-Xylene	41000	42000	43000
m-Xylene	41000	42000	43000
p-Xylene	41000	42000	43000

Prepared	LM	Checked	RAN	Date	19.11.24	Job No	41623

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PARCEL 16 HOGWOOD FARM (FINCHWOOD PARK)

ASSESSMENT CRITERIA – PUBLIC OPEN SPACE NEAR HOUSING

Contaminant	Phytotoxicity			
	pH 5.0 to 5.5	pH 5.5 to 6.0	pH 6.0 to 7.0	pH >7.0
Arsenic	50			
Cadmium	3			
Chromium	400			
Lead	300			
Mercury	1			
Nickel	50	60	75	110
Copper	80	100	135	200
Zinc	200	200	200	300

The assessment concentration for lead is the Category 4 Screening Level produced by Contaminated Land: Applications in Real Environments (CL:AIRE) and outlined in Appendix H of their report SP1010.
The others have been taken from Nathanail, C. P., McCaffrey, C., Gillett, A., Ogden, R., and Nathanail, J., 2015, *'The LQM/CIEH S4ULs for Human Health Risk Assessment'*, Land Quality Press, Nottingham. The metals/metalloids are based on a sandy loam soil and 6% soil organic matter. The assessment values are not intended to be applied to individual sample results where materials are similar, as the levels of contaminants will have a natural variability across the site. Instead, the modified mean value should be compared with the assessment concentration.

The assessment values for phytotoxicity are the levels at which plant growth is thought to be affected. They are taken from the maximum permissible and advisable concentrations in soil after application of soil sludge given in the *'The Code of Good Agricultural Practice for the Protection of Soil*', MAFF, 1998.

The assessment of sulphate, water soluble sulphate, elemental sulphur and sulphide is to determine the aggressive nature of the ground with respect to concrete and consequently the results are compared with BRE Special Digest 1:2005 '*Concrete in Aggressive Ground*'.

TPH Fraction	Intended Land Use Public Open Space Near Housing (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Aliphatic EC 5-6	570000 (304)[sol]	590000	600000
Aliphatic EC >6-8	600000	610000	620000
Aliphatic EC >8-10	13000	13000	13000
Aliphatic EC >10-12	13000	13000	13000
Aliphatic EC >12-16	13000	13000	13000
Aliphatic EC >16-35	250000[f]	250000[f]	250000[f]
Aliphatic EC >35-44	250000[f]	250000[f]	250000[f]
Aromatic EC 5-7	56000	56000	56000
Aromatic EC >7-8	56000	56000	56000
Aromatic EC>8-10	5000	5000	5000
Aromatic EC >10-12	5000	5000	5000
Aromatic EC >12-16	5100	5100	5000
Aromatic EC >16-21	3800[f]	3800[f]	3800[f]
Aromatic EC >21-35	3800[f]	3800[f]	3800[f]
Aromatic EC >35-44	3800[f]	3800[f]	3800[f]

[f] oral, dermal, and inhalation exposure compared with oral HCV

[sol] S4UL presented exceeds the solubility saturation limit, which is presented in brackets

The assessment criteria for each of the petroleum hydrocarbon fractions have been taken from Nathanail, C. P., McCaffrey, C., Gillett, A., Ogden, R., and Nathanail, J., 2015, *'The LQM/CIEH S4ULs for Human Health Risk Assessment'*, Land Quality Press, Nottingham. These are also all based on a sandy loam soil.

Within the Environment Agency Science Report P5-080/TR3, Askari, K. & Pollard, S., 2005 *'The UK Approach for Evaluating Human Health Risks from Petroleum Hydrocarbons in Soils'* it is stated that the assessment values should not be considered individually; instead the potential additive effects should be calculated. This is achieved by calculating an individual Hazard Quotient (HQ) for each fraction. The HQ is the proportion of the assessment concentration represented by the recorded concentration. The HQs are then added together to form a Hazard Index (HI) and where this exceeds unity a potential significant risk to human health may exist.

Prepared	LM	Checked	RAN	Date	19.11.24	Job No	41623

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PARCEL 16 HOGWOOD FARM (FINCHWOOD PARK)

ASSESSMENT CRITERIA – PUBLIC OPEN SPACE NEAR HOUSING

Appendix 5

Geotechnical Test Results – GEO/34197, GEO/39421 & GEO/41200

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Winchester
SO22 6PR

19 November 2021
Report No : GEO/34197/01

For the attention of Ms M Ebling / Ms R Noble

Date samples received	26/10/2021
Date written instructions received	26/10/2021
Date testing commenced	27/10/2021
Date of sample disposal	**17/12/2021**

Our ref **GEO / 34197**
Your Ref **41623**

Project **HOGWOOD FARM**

Further to your instructions we have pleasure in enclosing the results of the tests you requested in the attached figures.

LABORATORY TEST REPORT

Item No	Test Quantity	Description
1	~	Liquid & Plastic Limits Summary
~	15	Water Content
2	15	Liquid & Plastic Limits

Any opinions or interpretations expressed herein are outside the scope of UKAS accreditation. All results contained in this report are provisional unless signed by an approved signatory. The results contained in this report relate only to samples received in the laboratory and are tested 'as received' unless otherwise stated. This report should not be reproduced, except in full, without the written approval of the laboratory.

All the necessary data required by the documented test procedures has been recorded and will be stored for a period of not less than 6 years. This data will be issued to yourselves at your request. All samples will be disposed of after the date shown above. Written confirmation will be required to retain the samples beyond this period and a storage charge may be applied.

We trust that the above meets your requirements and should you require any further information or assistance, please do not hesitate to contact us.

Yours faithfully
on behalf of **GEOLABS Limited**

[redacted]

Director

BS EN ISO 17892-12 : 2018

SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS

Location	Depth m	Sample Ref	Sample Type	Description	Water Content BS EN ISO 17892-1 : 2014 %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Percentage Passing 425µm %	Atterberg Classification	Test Type	Sample Condition
TP301	2.30		D	Brown mottled orangish brown and grey very sandy CLAY.	25.6	43	19	24	100	CI	2	1
TP305	1.70		D	Brown mottled orange and grey sandy CLAY with rare fine to medium gravel.	29.3	46	19	27	99	CI	2	1
TP307	2.30		D	Brown very sandy CLAY.	25.8	40	18	22	100	CI	2	1
TP308	3.10		D	Brown mottled orange and light grey very sandy CLAY.	24.9	39	17	22	100	CI	2	1
TP310	1.60		D	Orangish brown mottled light grey very sandy CLAY.	25.7	41	16	25	100	CI	2	1
TP312A	2.30		D	Brown mottled greyish brown very sandy CLAY.	22.2	43	17	26	100	CI	2	1
TP315	1.50		D	Orange mottled light grey sandy CLAY.	28.6	49	19	30	100	CI	2	1
TP318	2.30		D	Brown mottled light grey sandy CLAY.	28.7	50	19	31	100	CI	2	1
TP320	1.70		D	Brown mottled light grey sandy CLAY.	27.9	51	22	29	100	CH	2	1
TP325	1.20		D	Brown mottled orange and light grey sandy CLAY.	26.3	55	21	34	100	CH	2	1
TP329	3.20		D	Brown very sandy CLAY.	23.7	42	17	25	100	CI	2	1
TP343	1.10		D	Greyish brown mottled light brown and orangish brown very sandy CLAY with rare fine gravel.	24.1	31	16	15	99	CL	2	1
TP345	2.70		D	Brownish grey mottled brown sandy CLAY.	27.1	53	20	33	100	CH	2	1
TP348	3.00		D	Light brown and greyish brown mottled sandy CLAY.	30.4	51	19	32	100	CH	2	1
TP350	1.50		D	Brown mottled greyish brown very sandy CLAY.	24.4	44	16	28	100	CI	2	1

Test Type:
1 - 1 point 80g / 30° fall cone method.
2 - 4 point 80g / 30° fall cone method.
3 - Non plastic determination.

Sample condition:
1 - As Received
2 - Air Dried
3 - Washed & Air Dried

[redacted]

Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

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BS EN ISO 17892-12 : 2018

SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS

Location	Depth m	Sample Ref	Sample Type	Description	Water Content BS EN ISO 17892-1 : 2014 %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Percentage Passing 425µm %	Atterberg Classification	Test Type	Sample Condition
TP360	1.00		D	Brown mottled orange, light grey and dark brown very sandy CLAY with rare fine gravel.	22.0	32	16	16	99	CL	2	1

Test Type:
1 - 1 point 80g / 30° fall cone method.
2 - 4 point 80g / 30° fall cone method.
3 - Non plastic determination.

Sample condition:
1 - As Received
2 - Air Dried
3 - Washed & Air Dried

[redacted]

Project Number:

GEO / 34197

Project Name:

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BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

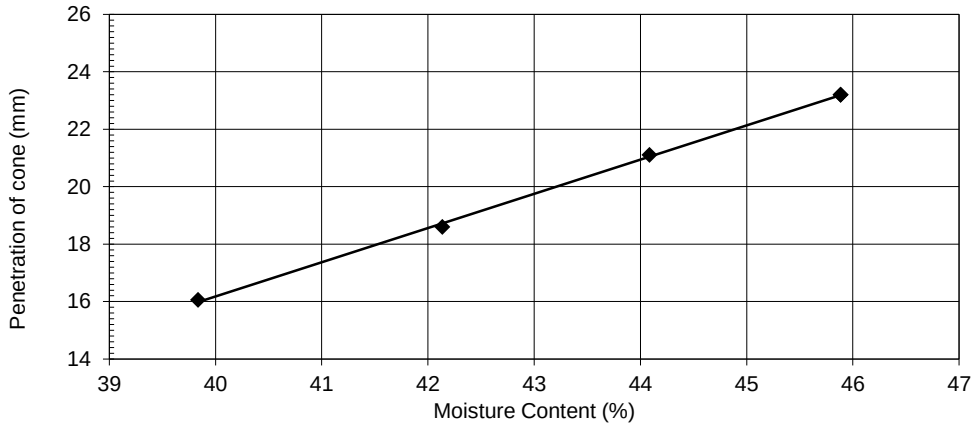
Location	TP301
Depth (m)	2.30
Sample Type	D

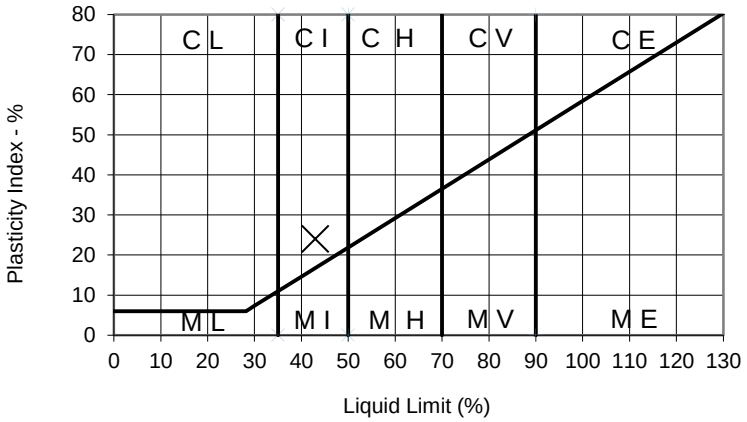
Description:

Brown mottled orangish brown and grey very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	25.6	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	43	%
Plastic Limit :	19	%
Plasticity Index :	24	%
Equivalent Water Content of material passing 425µm sieve :	25.6	%
Liquidity Index :	0.28	





Project Number:

GEO / 34197

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HOGWOOD FARM

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BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

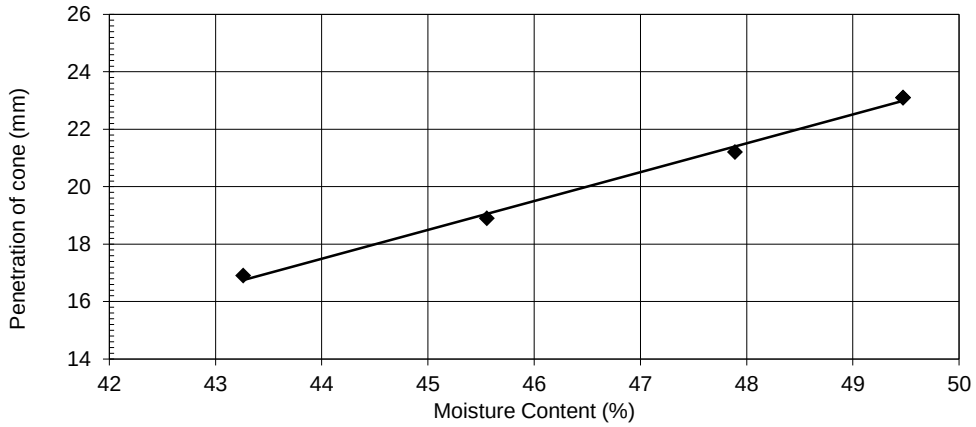
Location	TP305
Depth (m)	1.70
Sample Type	D

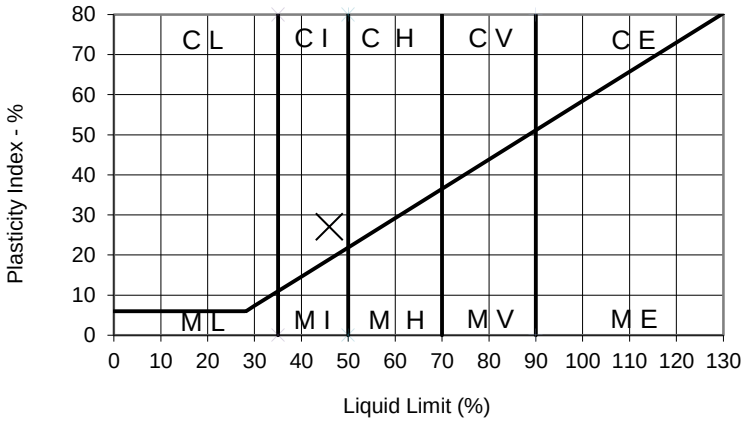
Description:

Brown mottled orange and grey sandy CLAY with rare fine to medium gravel.

Preparation : Sample as received with discrete coarse particles removed by hand.

Water Content : (BS EN ISO 17892-1:2014)	29.3	%
Estimated percentage passing 425µm sieve :	99	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	46	%
Plastic Limit :	19	%
Plasticity Index :	27	%
Equivalent Water Content of material passing 425µm sieve :	29.7	%
Liquidity Index :	0.40	





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GEO / 34197

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HOGWOOD FARM

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BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

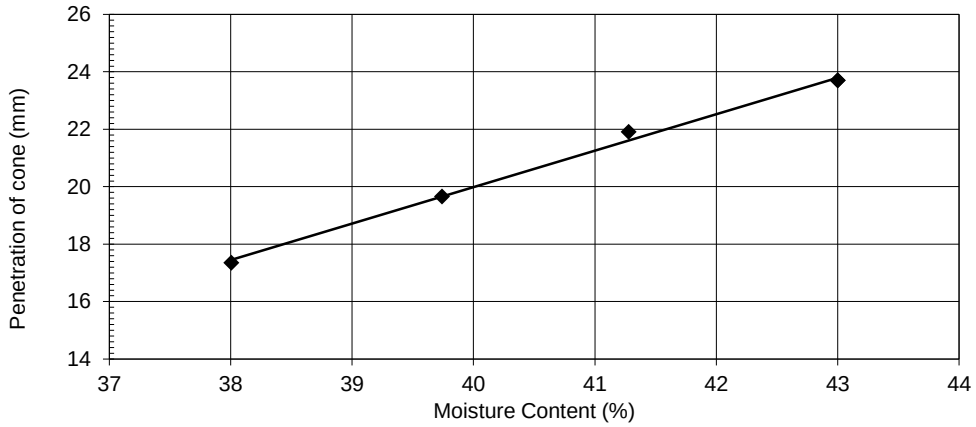
Location	TP307
Depth (m)	2.30
Sample Type	D

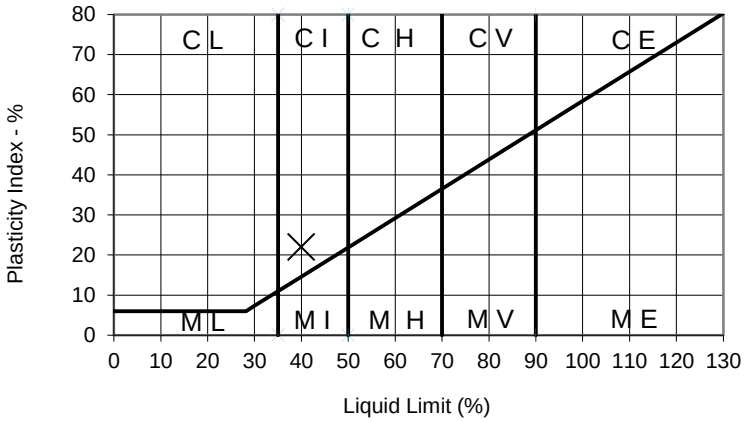
Description:

Brown very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	25.8	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	40	%
Plastic Limit :	18	%
Plasticity Index :	22	%
Equivalent Water Content of material passing 425µm sieve :	25.8	%
Liquidity Index :	0.35	





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BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

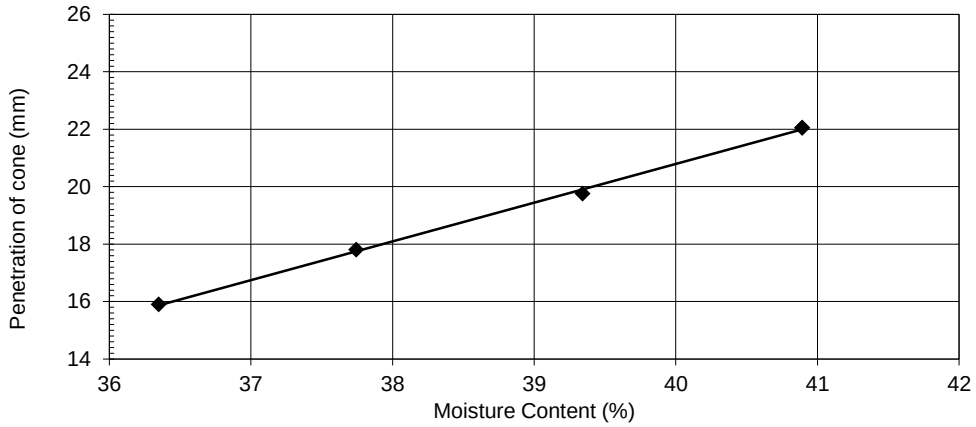
Location	TP308
Depth (m)	3.10
Sample Type	D

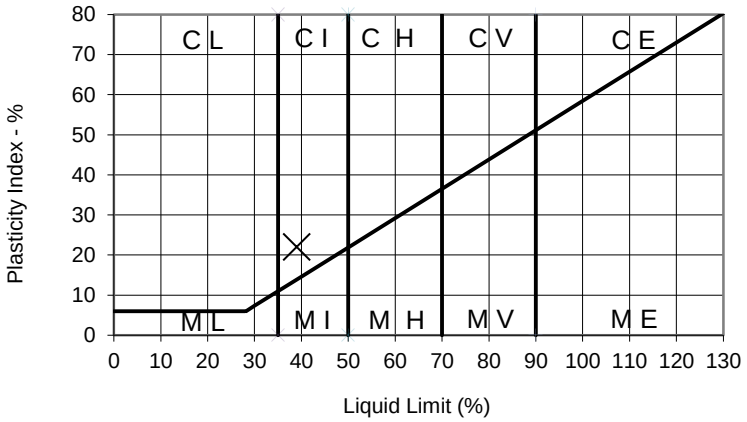
Description:

Brown mottled orange and light grey very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	24.9	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	39	%
Plastic Limit :	17	%
Plasticity Index :	22	%
Equivalent Water Content of material passing 425µm sieve :	24.9	%
Liquidity Index :	0.36	





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BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

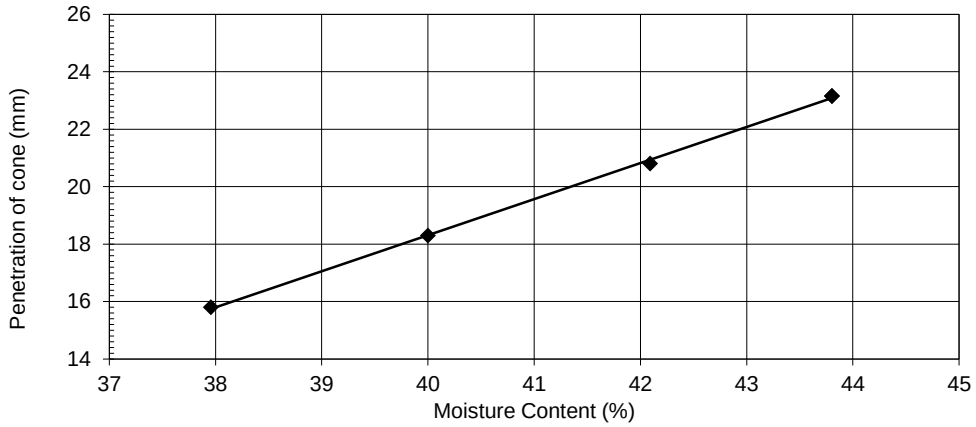
Location	TP310
Depth (m)	1.60
Sample Type	D

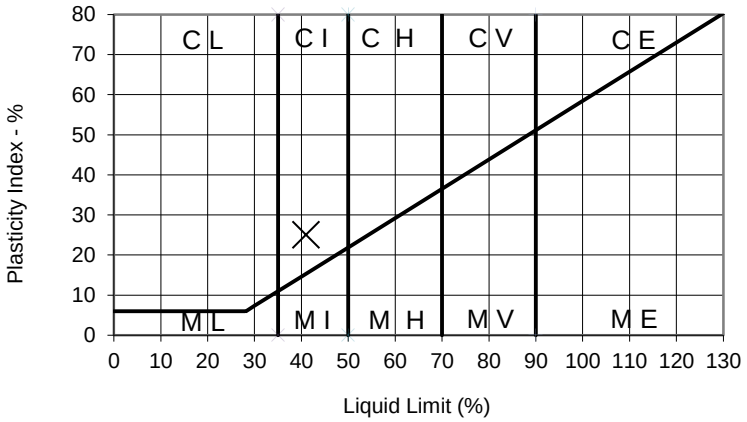
Description:

Orangish brown mottled light grey very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	25.7	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	41	%
Plastic Limit :	16	%
Plasticity Index :	25	%
Equivalent Water Content of material passing 425µm sieve :	25.7	%
Liquidity Index :	0.39	





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Project Name:

HOGWOOD FARM

41623

BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

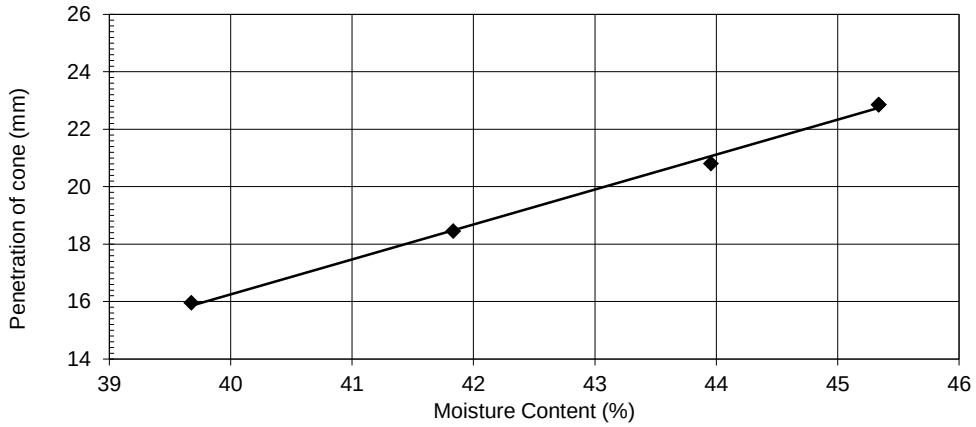
Location	TP312A
Depth (m)	2.30
Sample Type	D

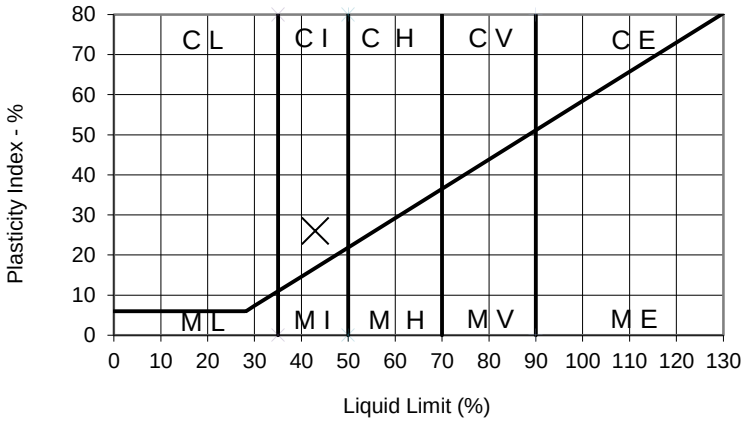
Description:

Brown mottled greyish brown very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	22.2	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	43	%
Plastic Limit :	17	%
Plasticity Index :	26	%
Equivalent Water Content of material passing 425µm sieve :	22.2	%
Liquidity Index :	0.20	





Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

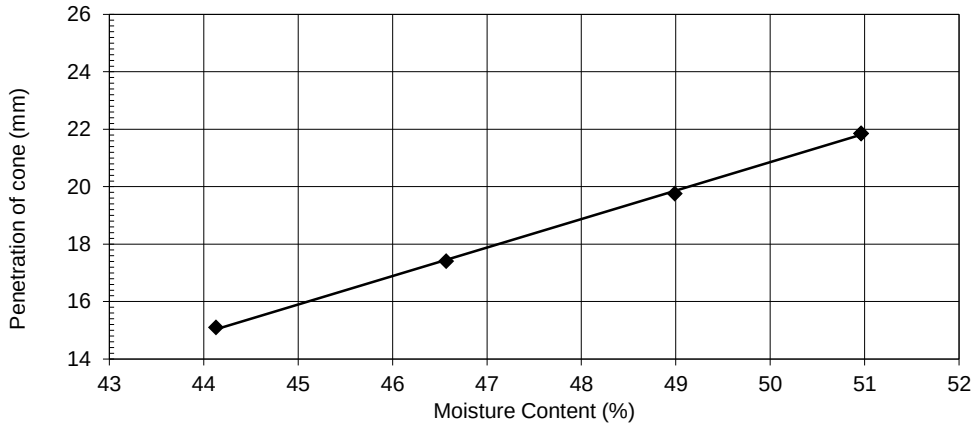
Location	TP315
Depth (m)	1.50
Sample Type	D

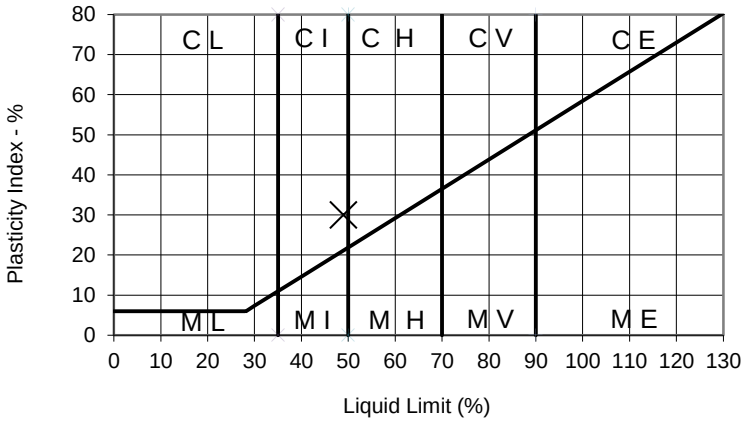
Description:

Orange mottled light grey sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	28.6	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	49	%
Plastic Limit :	19	%
Plasticity Index :	30	%
Equivalent Water Content of material passing 425µm sieve :	28.6	%
Liquidity Index :	0.32	





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Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

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LIQUID AND PLASTIC LIMITS

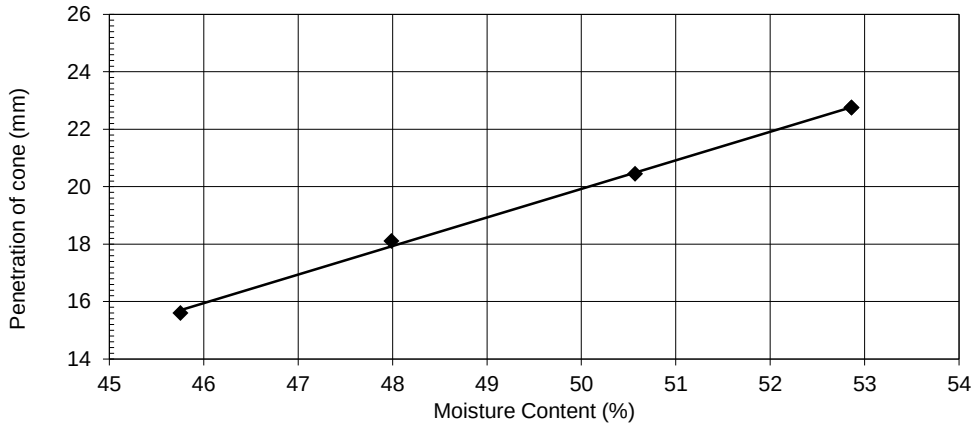
Location	TP318
Depth (m)	2.30
Sample Type	D

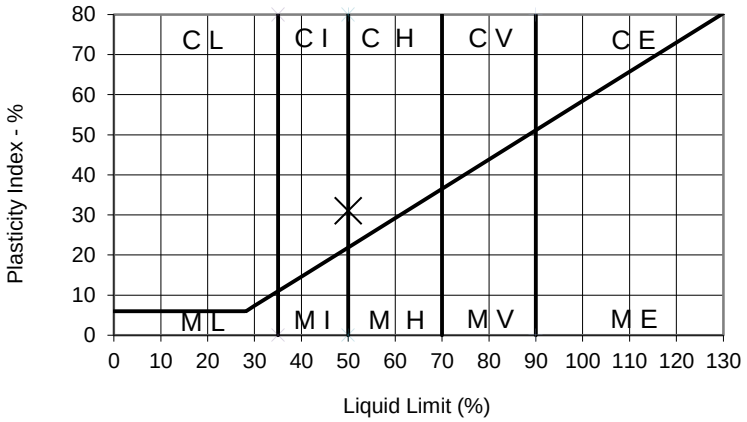
Description:

Brown mottled light grey sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	28.7	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	50	%
Plastic Limit :	19	%
Plasticity Index :	31	%
Equivalent Water Content of material passing 425µm sieve :	28.7	%
Liquidity Index :	0.31	





Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

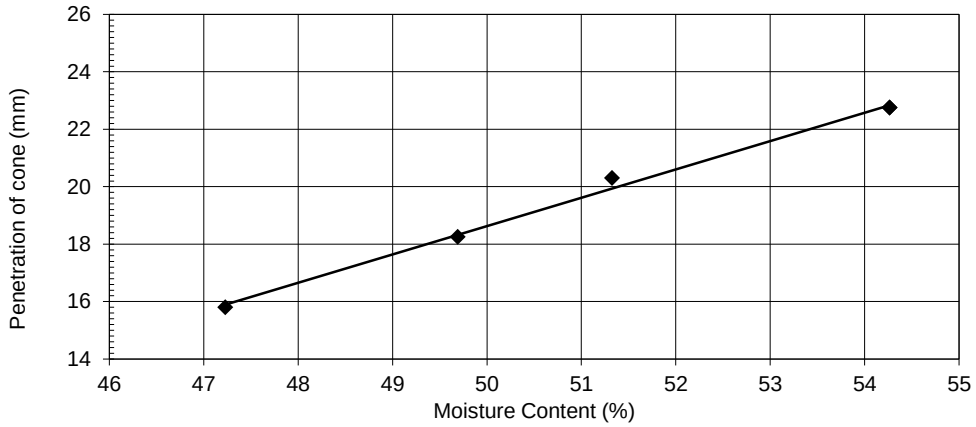
Location	TP320
Depth (m)	1.70
Sample Type	D

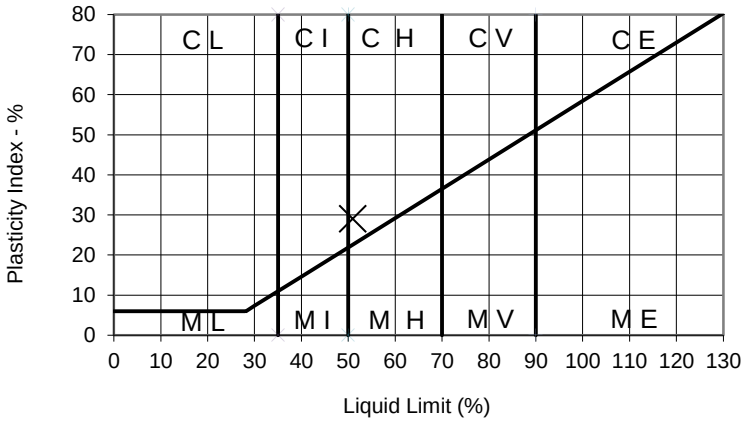
Description:

Brown mottled light grey sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	27.9	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	51	%
Plastic Limit :	22	%
Plasticity Index :	29	%
Equivalent Water Content of material passing 425µm sieve :	27.9	%
Liquidity Index :	0.20	





Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

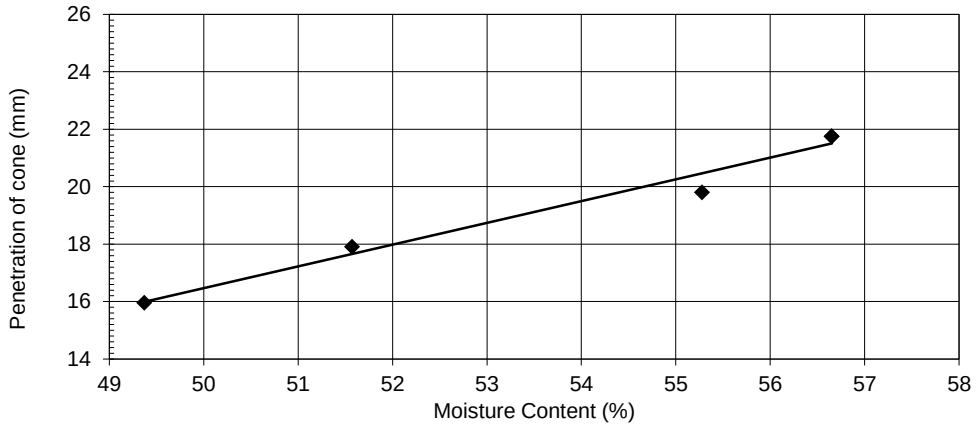
Location	TP325
Depth (m)	1.20
Sample Type	D

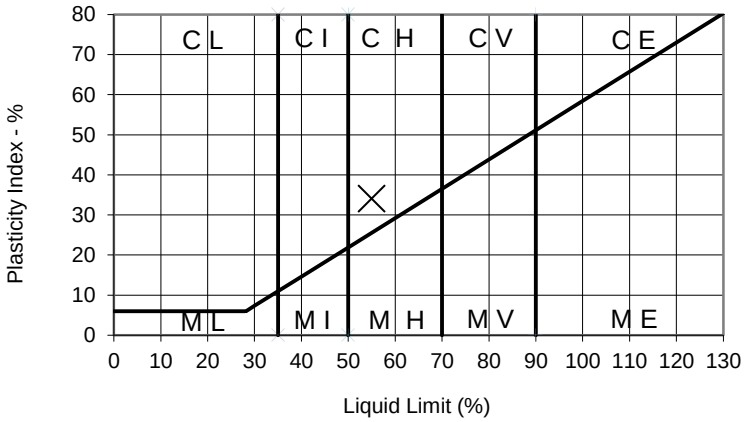
Description:

Brown mottled orange and light grey sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	26.3	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	55	%
Plastic Limit :	21	%
Plasticity Index :	34	%
Equivalent Water Content of material passing 425µm sieve :	26.3	%
Liquidity Index :	0.16	





Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

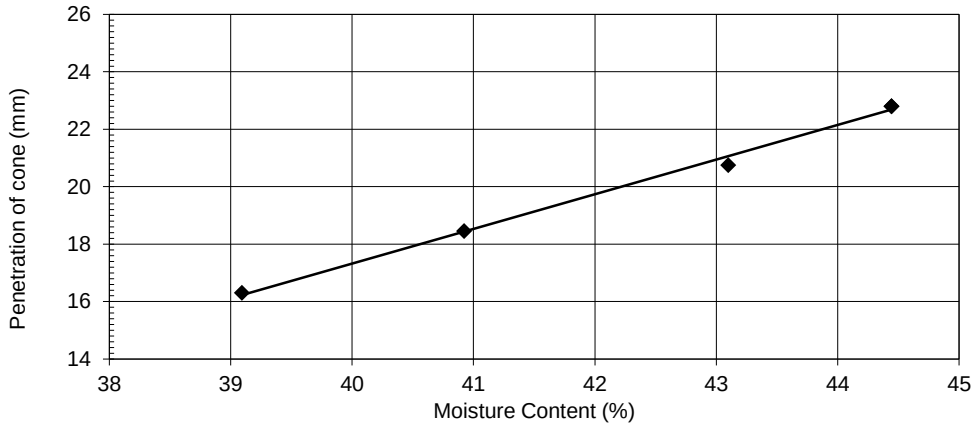
Location	TP329
Depth (m)	3.20
Sample Type	D

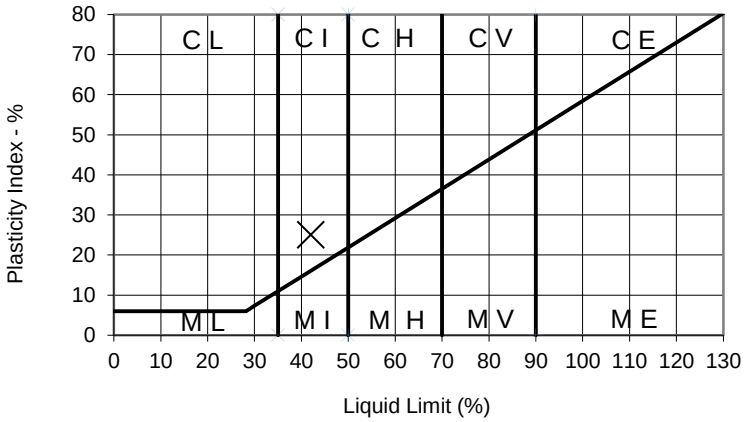
Description:

Brown very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	23.7	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	42	%
Plastic Limit :	17	%
Plasticity Index :	25	%
Equivalent Water Content of material passing 425µm sieve :	23.7	%
Liquidity Index :	0.27	





Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

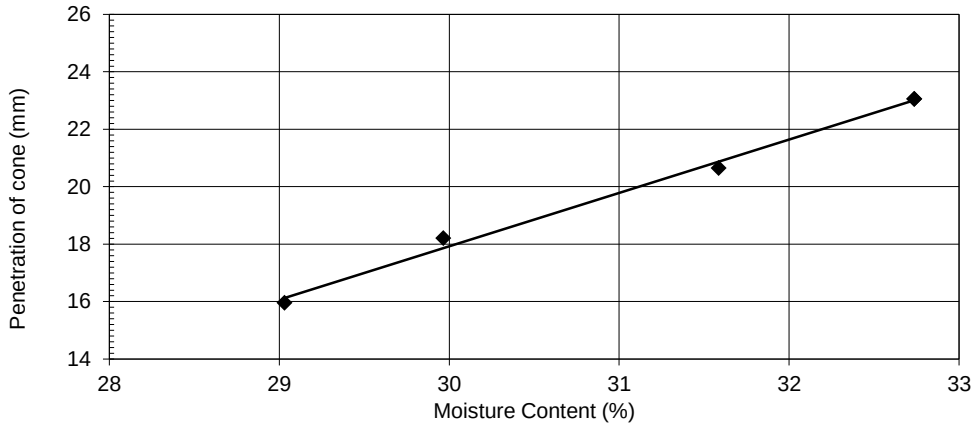
Location	TP343
Depth (m)	1.10
Sample Type	D

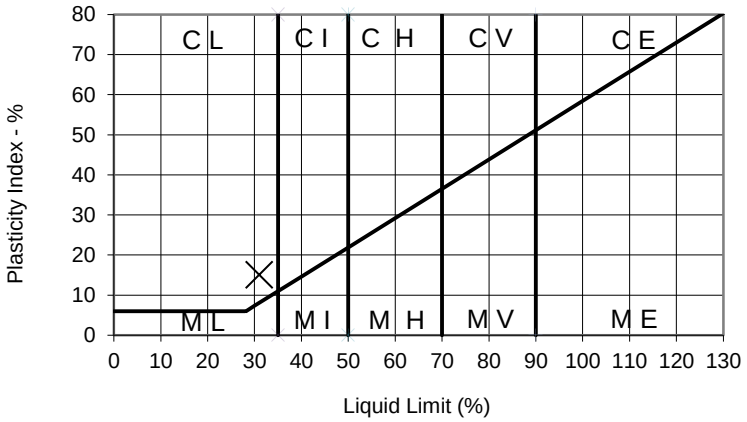
Description:

Greyish brown mottled light brown and orangish brown very sandy CLAY with rare fine gravel.

Preparation : Sample as received with discrete coarse particles removed by hand.

Water Content : (BS EN ISO 17892-1:2014)	24.1	%
Estimated percentage passing 425µm sieve :	99	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	31	%
Plastic Limit :	16	%
Plasticity Index :	15	%
Equivalent Water Content of material passing 425µm sieve :	24.4	%
Liquidity Index :	0.56	





Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

d Unit D3 HRS Business Park, Granby Avenue, Birmingham, B33 0SJ

Client : Eastwood and Partners (Consulting Engineers) Limited, The Old Pumping House, Main Road, Littleton, Winchester, SO22 6PR (Ref 1637329840)

BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

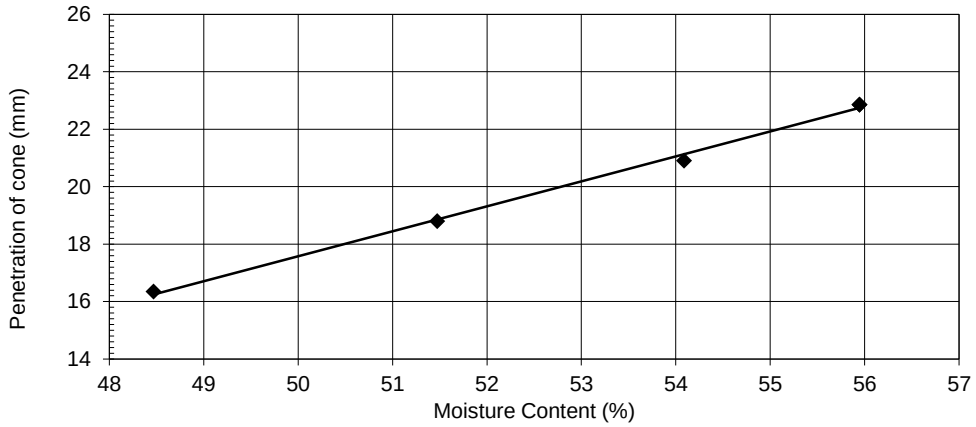
Location	TP345
Depth (m)	2.70
Sample Type	D

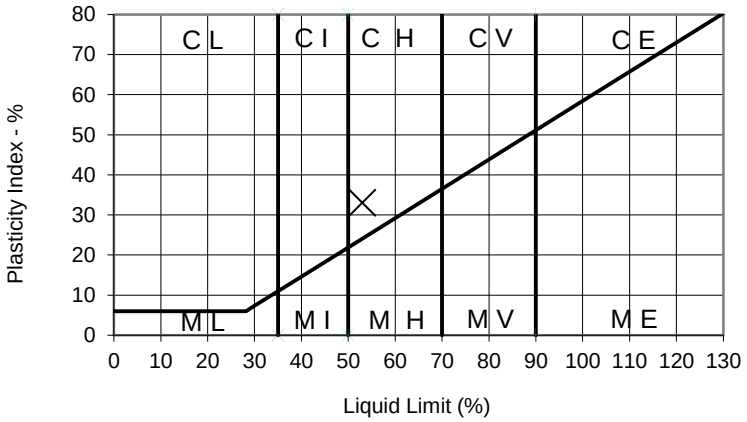
Description:

Brownish grey mottled brown sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	27.1	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	53	%
Plastic Limit :	20	%
Plasticity Index :	33	%
Equivalent Water Content of material passing 425µm sieve :	27.1	%
Liquidity Index :	0.22	





Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

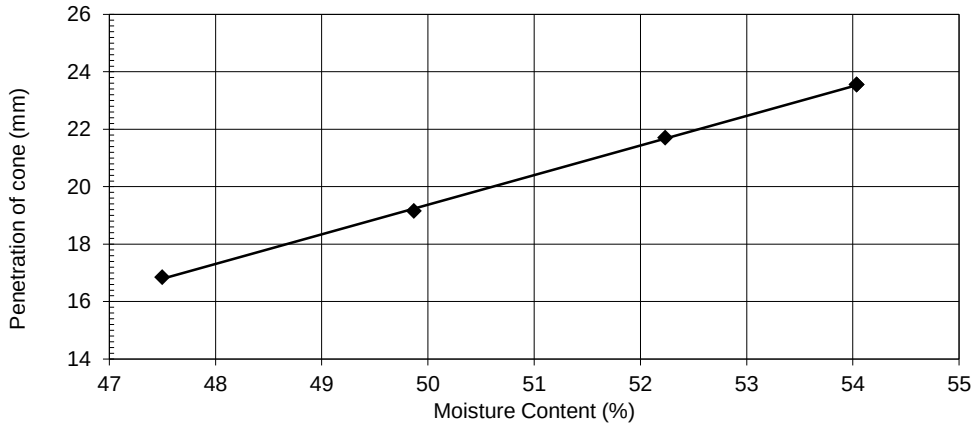
Location	TP348
Depth (m)	3.00
Sample Type	D

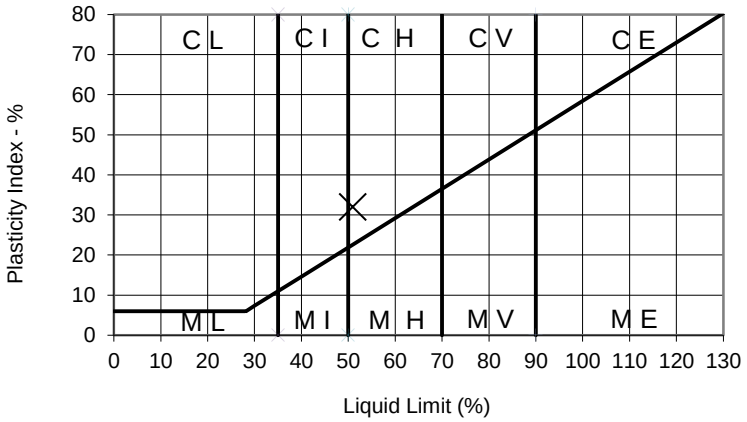
Description:

Light brown and greyish brown mottled sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	30.4	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	51	%
Plastic Limit :	19	%
Plasticity Index :	32	%
Equivalent Water Content of material passing 425µm sieve :	30.4	%
Liquidity Index :	0.36	





Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

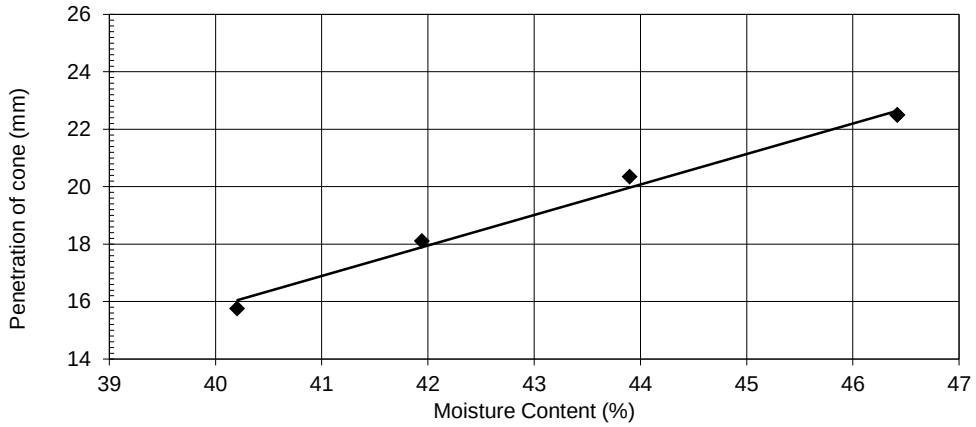
Location	TP350
Depth (m)	1.50
Sample Type	D

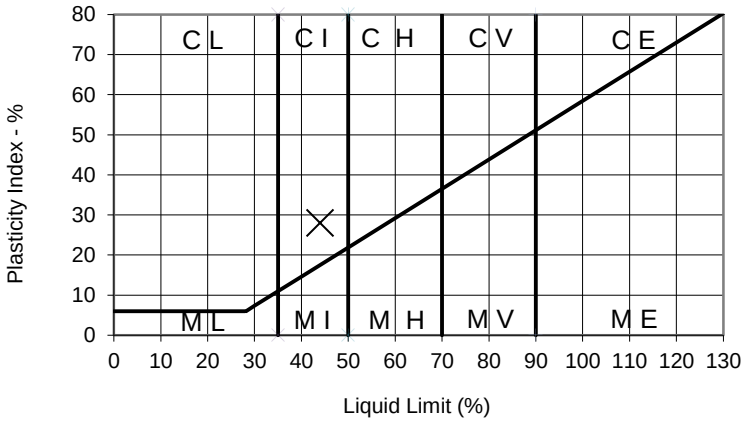
Description:

Brown mottled greyish brown very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	24.4	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	44	%
Plastic Limit :	16	%
Plasticity Index :	28	%
Equivalent Water Content of material passing 425µm sieve :	24.4	%
Liquidity Index :	0.30	





Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

BS EN ISO 17892-12 : 2018 : Clause 5.3 & 5.5

LIQUID AND PLASTIC LIMITS

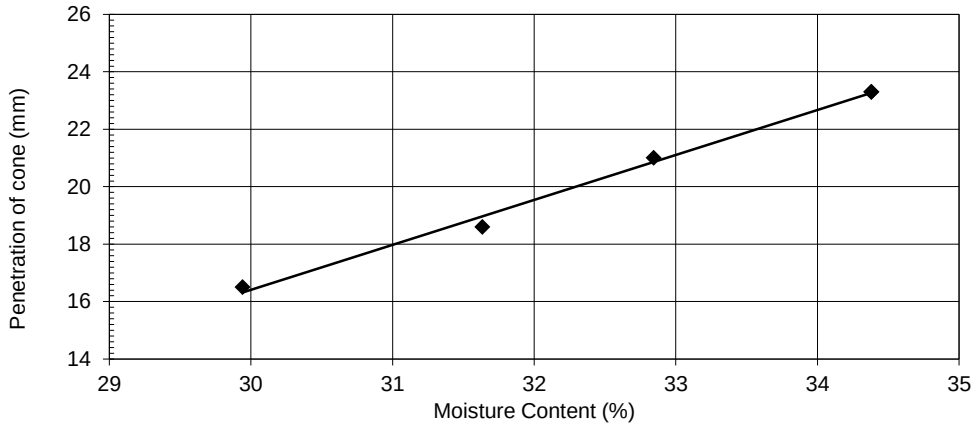
Location	TP360
Depth (m)	1.00
Sample Type	D

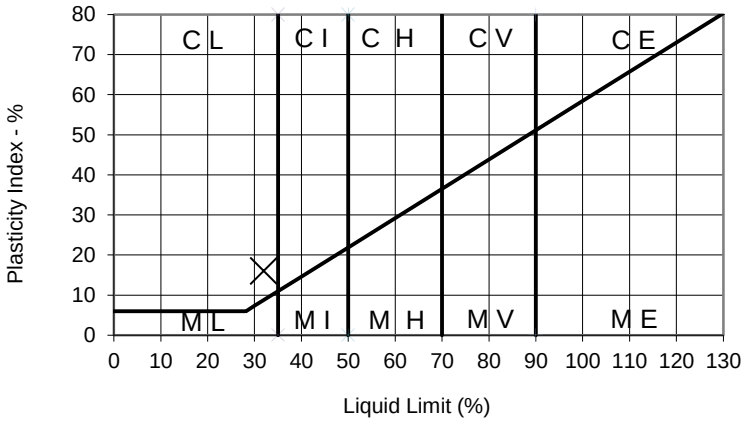
Description:

Brown mottled orange, light grey and dark brown very sandy CLAY with rare fine gravel.

Preparation : Sample as received with discrete coarse particles removed by hand.

Water Content : (BS EN ISO 17892-1:2014)	22.0	%
Estimated percentage passing 425µm sieve :	99	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	32	%
Plastic Limit :	16	%
Plasticity Index :	16	%
Equivalent Water Content of material passing 425µm sieve :	22.3	%
Liquidity Index :	0.39	





Project Number:

GEO / 34197

Project Name:

HOGWOOD FARM

41623

GEOLABS

UKAS TESTING 1982

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Eastwood and Partners (Consulting Engineers) Limited
Gander Down Barns
Rodfield Lane
Ovington
Alresford
SO24 0HS

15 December 2023
Report No : GEO/39421/01

For the attention of Ms M Ebling

Date samples received	06/11/2023
Date written instructions received	29/11/2023
Date testing commenced	30/11/2023
Date of sample disposal	**12/01/2024**

Our ref **GEO / 39421**
Your Ref **41623**

Project **FINCHAMPSTEAD - PARCEL 15**

Further to your instructions we have pleasure in enclosing the results of the tests you requested in the attached figures.

LABORATORY TEST REPORT

Item No	Test Quantity	Description
1	~	Liquid & Plastic Limits Summary
~	7	Water Content
~	7	Liquid & Plastic Limits
2	~	Geochemical Test Summary
~	7	BRE SD1 Suite B - Natural ground + pyrite

Any opinions or interpretations expressed herein are outside the scope of UKAS accreditation. All results contained in this report are provisional unless signed by an approved signatory. The results contained in this report relate only to samples received in the laboratory and are tested 'as received' unless otherwise stated. This report should not be reproduced, except in full, without the written approval of the laboratory. The results reported are applicable only to the test items received by the laboratory.

All the necessary data required by the documented test procedures has been recorded and will be stored for a period of not less than 6 years. This data will be issued to yourselves at your request. All samples will be disposed of after the date shown above. Written confirmation will be required to retain the samples beyond this period and a storage charge may be applied.

We trust that the above meets your requirements and should you require any further information or assistance, please do not hesitate to contact us.

Yours faithfully

[redacted]

BS EN ISO 17892-12 : 2018+A2:2022

SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS

Location	Depth m	Sample Ref	Sample Type	Description	Water Content BS EN ISO 17892-1 : 2014 +A1:2022 %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Percentage Passing 425µm %	Atterberg Classification	Test Type	Sample Condition
TP701	1.00		D	Orangish brown and greyish brown slightly gravelly sandy silty CLAY. Gravel is fine.	18.1	32	14	18	99	CL	2	1
TP702	2.00		D	Brown and orangish brown slightly gravelly slightly sandy silty CLAY.	26.3	60	25	35	99	CH	2	1
TP706	2.70		D	Brown and orangish brown slightly fine sandy CLAY.	25.5	56	23	33	100	CH	2	1
TP707	0.90		D	Brown and orangish brown slightly gravelly slightly sandy silty CLAY. Gravel is fine.	21.0	39	16	23	99	CI	2	1
TP707	1.40		D	Brown and orangish brown slightly gravelly slightly sandy silty CLAY. Gravel is fine.	24.0	58	24	34	99	CH	2	1
TP710	1.50		D	Orangish brown and greyish brown sandy silty CLAY.	28.3	50	19	31	100	CI	2	1
TP711	1.10		D	Orangish brown and greyish brown fine sandy silty CLAY.	23.9	42	23	19	100	CI	2	1

Test Type: 2 - 4 point 80g / 30° fall cone method.

Sample condition: 1 - As Received
2 - Air Dried
3 - Washed & Air Dried

[redacted]

Project Number:

GEO / 39421

Project Name:

FINCHAMPSTEAD - PARCEL 15

41623

GEOLABS® UKAS TESTING 1982

Client : Eastwood and Partners (Consulting Engineers) Limited, Gander Down Barns, Rodfield Lane, Ovington, Alresford, SO24 0HS (Ref 1702651356)

1240 - Chemical Test Summary - 39421.XLSM

SUMMARY OF CHEMICAL TESTS ON SOIL

Location	Depth m	Sample Ref	Sample Type	pH Value	Total Acid Soluble Sulphate as SO4 %	Water Soluble Sulphate as SO4 2:1 Water:Soil Extract g/l	Total Sulphur %	Water Soluble Chloride g/l	Water Soluble Nitrate g/l	Magnesium g/l	Organic Content %	Mass Loss on Ignition %	Carbonate Content %
TP701	1.00		D	8.4	< 0.010	< 0.010	0.010	-	-	-	-	-	-
TP702	2.00		D	8.2	0.014	< 0.010	< 0.010	-	-	-	-	-	-
TP706	2.70		D	8.4	< 0.010	0.019	0.015	-	-	-	-	-	-
TP707	0.90		D	8.5	0.019	0.023	0.029	-	-	-	-	-	-
TP707	1.40		D	8.3	0.010	< 0.010	0.014	-	-	-	-	-	-
TP710	1.50		D	7.6	0.033	< 0.010	0.050	-	-	-	-	-	-
TP711	1.10		D	7.6	< 0.010	< 0.010	< 0.010	-	-	-	-	-	-

Tested by Eurofins Chemtest Ltd : MCERTS / UKAS No 2183

[redacted]

Project Number:

GEO / 39421

Project Name:

FINCHAMPSTEAD - PARCEL 15

41623

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web: www.geolabs.co.uk

Eastwood and Partners (Consulting Engineers) Limited
Unit 3 Gander Down Barns
Rodfield Lane
Ovington
Alresford
SO24 0HS

26 September 2024
Report No : GEO/41200/01

For the attention of Mr A Luxman

		Date samples received	04/09/2024
Our ref	**GEO / 41200**	Date written instructions received	10/09/2024
Your ref	**41623**	Date testing commenced	11/09/2024
Order ref	**41623**	**Date of sample disposal**	**24/10/2024**

Project **FINCHWOOD PARK DEVELOPMENT, PHASE 3, HOGWOOD FARM, FINCHAMPSTEAD**

Further to your instructions we have pleasure in enclosing the results of the tests you requested in the attached figures.

LABORATORY TEST REPORT

Item No	Test Quantity	Description
1	~	Liquid & Plastic Limits Summary
~	6	Water Content
~	6	Liquid & Plastic Limits

Any opinions or interpretations expressed herein are outside the scope of UKAS accreditation. All results contained in this report are provisional unless signed by an approved signatory. The results contained in this report relate only to samples received in the laboratory and are tested 'as received' unless otherwise stated. This report should not be reproduced, except in full, without the written approval of the laboratory. The results reported are applicable only to the test items received by the laboratory.

All the necessary data required by the documented test procedures has been recorded and will be stored for a period of not less than 6 years. This data will be issued to yourselves at your request. All samples will be disposed of after the date shown above. Written confirmation will be required to retain the samples beyond this period and a storage charge may be applied.

We trust that the above meets your requirements and should you require any further information or assistance, please do not hesitate to contact us.

Yours faithfully

[redacted]

BS EN ISO 17892-12 : 2018+A2:2022

SUMMARY OF LIQUID AND PLASTIC LIMIT TESTS

Location	Depth m	Sample Ref	Sample Type	Description	Water Content BS EN ISO 17892-1 : 2014 +A1:2022 %	Liquid Limit %	Plastic Limit %	Plasticity Index %	Percentage Passing 425µm %	Atterberg Classification	Test Type	Sample Condition
TPA(P16)	1.00	D1	D	Grey mottled orangish brown sandy gravelly silty CLAY. Gravel is fine to medium.	18.9	31	16	15	82	CL	2	3
TPB(P16)	1.50	D1	D	Greyish brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium.	26.4	56	26	30	99	CH	2	1
TPB(P16)	2.40	D2	D	Greyish brown slightly gravelly slightly sandy silty CLAY. Gravel is fine to medium.	26.5	54	23	31	99	CH	2	1
TPD(P16)	0.90	D1	D	Grey mottled orangish brown sandy silty CLAY. Sand is fine to medium.	23.3	48	18	30	100	CI	2	1
TPD(P16)	2.00	D2	D	Grey mottled orangish brown sandy silty CLAY. Sand is fine.	23.9	42	20	22	100	CI	2	1
TPE(P16)	1.20	D1	D	Grey mottled orangish brown sandy silty CLAY. Sand is fine.	22.7	41	20	21	100	CI	2	1

Test Type: 2 - 4 point 80g / 30° fall cone method.

Sample condition: 1 - As Received
2 - Air Dried
3 - Washed & Air Dried

[redacted]

Project Number:

GEO / 41200

Project Name:

FINCHWOOD PARK DEVELOPMENT, PHASE 3, HOGWOOD FARM, FINCHAMPSTEAD

41623

GEOLABS

UKAS TESTING 1982

Eastwood

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