APPENDIX E

Site Investigation Reports (x3)

Geo-Environmental Assessment

Eastleigh Works

Presented to **Diageo Investment Fund Ltd.**

Issued: March 2019

Delta-Simons Project No. 17-1080.05

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Report Details

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Issue No.	Status	Issue Date	Comments	Author	Technical Review	Authorised
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About us

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Executive Summary

Brief	Delta-Simons Environmental Consultants Limited ('Delta-Simons') was instructed by Michaela Chidgey at Savills on behalf of Diageo Investment Fund Ltd (the 'Client') to undertake a ground investigation as part of the proposed redevelopment of Eastleigh Works, Southampton, SO50 5AD (hereafter referred to as the 'Site').
Site Setting	The Site is irregular in shape roughly occupying 6 hectares. The Site is split into two areas comprising Phase I in the north and Phase II in the south. Phase I is occupied by several offices/ canteen buildings with Phase II consisting of several large warehouses, densely occupied car parking, several former above ground and one suspected waste oil tank in the east and a vegetated bund in the south east.
Ground Conditions	Ground conditions were found to comprise generally granular Made Ground with localised areas of cohesive deposits to depths <1.0m bgl although locally to 2.5m bgl. The underlying natural strata was found to comprise a band of firm clay depths between 2.0 and 2.5m bearing onto River Terrace Gravels and in turn the London Clay Formation at approximately 6m bgl. Groundwater was consistently recorded at depths between 3.5m and 4.0m bgl. During the ground investigation evidence of Light Non Aqueous Phase Liquid (LNAPL) was identified at DS143b (15mm) and DS144b (30mm) in the south of the Site.
Land Contamination Assessment	<u>Human Health</u> Asbestos containing materials consisting of loose fibres, debris and occasional cement have been recorded within the Made Ground across the Site with the results of quantification analysis indicating several samples to exceed 0.1% (max 0.483%wt/wt). Marginally elevated concentrations of lead, nickel and PAHs have been identified in several hotspots within the Made Ground however the risks posed by these contaminants will be largely mitigated by the nature of the development. The investigation has also identified elevated concentrations of TPH within localised areas of Made Ground and deeper granular deposits which may be representative of NAPL. The results of groundwater monitoring have also indicated that TPH10-12 aliphatic fraction (14,000µg/l) within the groundwater at DS143, DS144 and BH111 may pose a risk to human health via the inhalation of vapours. <u>Controlled Waters</u> The majority of contaminants assessed were found to have concentrations below their respective screening criteria with the exception of marginally elevated heavy metals in the north of the site plus elevated TPH (1,350µg/l) and PAHs (356µg/l) at DS101. The investigation has also identified marginally elevated PAHs across the site with elevated TPH (20,600µg/l) and PAH (5.13µg/l) to be present in the centre and south (TPH-3380,000µg/l and PAHs - 161µg/l) of the Site where between 15-30mm of LNAPL was observed in several monitoring wells. Based on the identified concentrations these are considered to pose a risk to the underlying Secondary undifferentiated Aquifer with the potential for contaminants to migrate off site over time. <u>Ground Gas</u> The results of ground gas monitoring have identified localised elevated methane and carbon dioxide concentrations to be associated with areas of deeper Made Ground and organic contamination. The Site has been classified as a Characteristic Situation 2 gassing regime. Elevated VOCs have also been recorded during gas monitoring at both areas of organic contamination with maximum values up to 260ppm with a peak value of 474.6ppm also recorded at DS102 in the north.

Geotechnical Assessment	The Made Ground deposits are not considered suitable founding strata for the proposed redevelopments. Given the lightly loaded nature of the development, Pad foundations taken into the firm clay of the River Terrace Deposits are expected to provide bearing capacities between 130 and 140kPa limited to 25mm settlement, whilst foundations taken into the deeper granular strata should provide bearing capacities between 280 and 400kPa. Localised deeper areas of Made Ground have been identified in the north and south of the Site and it may be necessary to locally deepen foundations into competent strata. Lightly loaded ground bearing floor slabs (<10kPa) are expected to be suitable following proof rolling of the formation however where slabs are loaded up to 37.5kPa then these may be prone to excessive (>25mm) and differential settlement and ground improvement techniques may need to be adopted to control settlements. Whilst the Site is generally flat, some earthworks may be required to reprofile the Site in the centre due to the existing retaining wall and in the south to accommodate surface drainage. Materials contained in the stockpile in the south of the Site are not considered suitable for reuse given their variable composition however the bund in the south, whilst found to comprise a mixture of sand, rubble and topsoil could be processed into separate material streams which could be used as engineered fill. The results of soakaway testing in the south of the site have indicated soil permeabilities between $1x10^{-5}$ and 10^{-6} m/s with the higher permeabilities achievable in the granular deposits. Depending on the thickness of cohesive soils and depth of groundwater, soakaway construction may not be suitable in areas where insufficient thickness of unsaturated soils are present. Furthermore soakaways should not be constructed in areas of identified organic contamination. Buried concrete should be Designed to resists DS-2 and ACEC Class AC-2 where site won materials are reuse on site from the existing bund then buried foundations may need to be designed to resist DS3-AC2s chemically aggressive ground conditions.
Recommendations	Based on the findings of this report, the following recommendations are made gas protection measures commensurate with a CS2 gassing regime should be installed within all buildings at the site. Depending on the results of further investigation, the membrane may need to be upgraded to be vapour resistant; Further delineation works of the identified organic contamination, repeat groundwater sampling and production of Detailed Quantitative Risk Assessment to support anticipated planning conditions, to enable the derivation of remedial targets and assess the risk posed to third party land; Following completion of a DQRA it will be necessary to compile a Remediation Strategy and Options Appraisal to support a planning application and assess suitability of remediation techniques; Depending on the final layout, it may be prudent to locally excavate and remove impacted soils around BH105 due to elevated TPH concentrations recorded in the shallow soils at this location. Limited earthworks will be required to provide a level development platform along with reprofiling activities to provide suitable falls for the proposed car park. It is recommended that following processing of Site won materials that geotechnical classification be undertaken to confirm the nature of the material which should then be incorporated into an earthworks strategy to support the proposed development. It will also be necessary to submit a Materials Management Plan to support the reuse of materials on Site.; Where USTs are identified at the Site, these should be decommissioned, excavated and validated in line with current good practices;

	Upon completion of the supplementary investigation works, preparation of a Remediation Strategy, to mitigate any unacceptable risks to human health / controlled waters receptors. It is recommended that these materials are removed and placed beneath a suitable thickness of growing media or hardstanding.
This is intended as a summary only. Further detail and the limitations of the assessment are provided within the main body of the Report.	

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1.0 Introduction

1.1 Appointment

Delta-Simons Environmental Consultants Limited ("Delta-Simons") was instructed by Michaela Chidgey at Savills on behalf of Diageo Investment Fund Ltd (the "Client") to prepare a Geo-Environmental Assessment for Eastleigh Works, Southampton SO50 5AD (the "Site").

1.2 Context & Purpose

The aim of the investigation is to complete a geo-environmental assessment of the proposed development area. The investigation will obtain information regarding ground conditions, from which risks to end-users, the environment and structures can be assessed, with mitigation measures outlined, if necessary.

The investigation will provide geotechnical information in order to comment on the preliminary design of foundations and infrastructure. The report will provide recommendations for further work based on the findings of the investigation, if required.

It is understood that the proposed development of the Site will comprise demolition of all existing units to make way for the construction of various small to medium warehouse/ starter units with external areas of hardstanding for vehicle parking and open storage in the south.

1.3 Scope of Works

The scope of the investigation and layout of this report has been designed with consideration of *CLR11* (Environment Agency, 2004a) and BS 10175:2011+A2:2017 Investigation of Potentially Contaminated Sites – Code of Practice (BSI, 2017) and guidance on land contamination reports issued by the Environment Agency (EA) (2010a).

The project was carried out to an agreed brief as set out in Delta-Simons' proposal dated 3rd December 2018 (ref.17-1080.05). The scope of works is outlined in Section 3.2.1.

Specific sections of this report may generally follow guidance set out in Eurocode 7 for a Ground Investigation Report (GIR), as defined in BS EN 1997-1:2004 and BS EN 1997-2:2007. Eurocode 7 includes specific guidance on the number and spacing of investigation positions, methods of investigation and sample quality to be achieved which may not have been met by this investigation. The report also includes information which may support a Geotechnical Design Report (GDR) as defined in BS EN 1997-1:2004; however, unless otherwise explicitly stated, the investigation has not been undertaken in accordance with Eurocode 7 and the preliminary geotechnical interpretation, assessments, risk register and recommendations presented within this report may not meet the full requirements of a GDR. For the purposes of this report it is considered at this stage Geotechnical Category 2 is likely to be appropriate.

1.4 Existing Information

The following information has been compiled by Delta Simons for the wider Eastleigh Works pertinent information is included within this report, familiarity and access is assumed on the part of the reader:

- Preliminary Geo-Environmental Risk Assessment 'Eastleigh Works, Campbell Road, Eastleigh on behalf of Diageo Investment Fund Ltd reference 17.1080.05 dated 18th January 2019.

Delta Simons have previously procured the following assessment for the Site:

- Express Preliminary UXO Risk Assessment 'Eastleigh Works' by 1st Line Defence on behalf of Delta Simons ref EP7016-00 dated 03/08/18.

1.5 Limitations

The assessment is limited to the issues agreed within the proposal for the works. Notes on limitations associated with this assessment are provided in Appendix A. In addition, there are the following specific limitations that apply to this assessment:

- It was not possible to advance a borehole within the centre of the Site (which would have been referred to as BH108) due to tenants not moving vehicles;
- Due to the presence of a Network Rail Asset off the north west and southern eastern boundary, an 8m easement from this feature was adopted to prevent interaction with existing train movements. Sharing the north western and southern eastern boundary of the Site is Network Rail which meant an 8 m exclusion zone had to be applied within these areas;
- A protected species (Slow Worm) was discovered within bund in the south east of the Site resulting in the termination of all intrusive activities within the bund;
- A large stockpile is located in the south east of the site and it was not possible to investigate the ground beneath this area;
- It was not possible to complete intrusive positions in parts of the southern areas of the Site due to the nature of the tenant operations (car parking);
- Intrusive positions were also limited to external areas of the Site due to the operational nature of the existing units with further limitation imposed in certain areas due to constant access being required for HGVs and movement of materials/ storage containers;
- A deep sewer is located across the centre of the Site orientated north west to south east with all intrusive positions moved away from this feature; and
- Numerous buried services were present across the entire Site with intrusive positions moved away from these features especially along the southern western boundary where services tied into the electricity substation which limited intrusive positions along this area due to the requirement to maintain constant vehicular access.

2.0 Site Details

2.1 Site Setting

A summary of the current Site status, environmental setting and key historical features is presented below. This has been summarised from the existing report(s) listed in Section 1.4 which should be consulted for further detail.

Co-ordinates	Centred approximately at National Grid Reference 445980, 118000	Elevation	~13.9 – 14.3 m AOD
		Area	6.6 Ha
Site Location	The Site is located off Campbell Road, 0.5 km south-east of Eastleigh town centre.		
Current Site Use	Within the northern area the Site is generally flat and is occupied by a three-storey office block in the north, a small single storey office/ canteen unit in the centre and a two storey building in the south. Several smaller ancillary buildings are located across the plot. During the Site investigation a suspected waste oil tank/ sump was identified next to the north edge of the embankment and retaining wall. The central and southern area of the Site contains several large brick buildings, formerly used as a smith shop, stores, sawmill and carriageway maintenance. This area is currently used by several businesses including a hauliers, storage, traffic management, a joiner's, and a motorhome rental company (currently known as Units 1 to 5 and Area 1). In addition to the warehouse units, the area was generally noted to be used for external storage with numerous large containers located across the plot. The southern area is currently used as dedicated car parking, with vehicles parked on gravel surfacing. Whilst the Site is generally flat a small 0.5m high retaining wall is located along the centre of the site orientated north to south, with the eastern side of the wall noted to be lower. A large vegetated soil bund, which was noted to be undergoing a vegetation strip during the ground investigation is located in the south east with a separate stockpile of material located in the open area in the south. A small area of vegetation is located in the south east corner of the Site which was not accessible to vehicles. No areas of current fuel storage were observed to be present within external areas of the Site however a small concrete plinth was noted to be present in the centre which may be representative of a former above ground tank. A second area of former above ground storage was identified in the southern part of the Site comprising a series of small brick structures with tank cradles. Surrounding land use comprises residential properties with gardens backing onto the south west boundary, with the London to Southampton mainline forming the south west boundary in the north of the Site along with Campbell Road. The eastern boundary of the Site is formed by Eastleigh Works comprising a series of railway sidings, maintenance depot, above ground tanks and plastic and metal recycling yards. The southern boundary is formed by Southampton Airport.		
Proposed Development	The proposed development scheme will comprise of the construction of a new building (office) in the centre of the existing three buildings in the north and along with the erection of multiple small warehouse/ office units within the southern area set aside for car parking and storage. The Site will be predominantly covered by hardstanding except for the southern parcel of land where the final surface materials have not been confirmed. Proposed development plans are presented in Figure 2. Identified human and built environment receptors (R) relevant to the proposed development comprise:		

	▲ Construction workers; ▲ Third parties during construction (adjacent Site users and adjacent residents); ▲ Future Site users and maintenance workers; and ▲ The Built Environment (new buildings and infrastructure / utilities).
Environmental Setting	<u>Geology</u> Published British Geological Survey mapping (1:50,000 'Solid and Drift', Sheet Number 315, Southampton, dated 1987), indicates the entire Site to be underlain superficial deposits comprising the River Terrace deposits consisting of loam and clay, bearing onto gravels. The underlying solid strata is indicated to comprise the Wittering Formation in the south east consisting of sand, silt and clay bearing onto the London Clay Formation which is indicated to outcrop in the north west. The London Clay Formation is indicated to comprise clay bearing onto bands of sand and gravel. Deeper strata beneath the London Clay Formation is expected to comprise the Lambeth Group bearing onto the White Chalk Subgroup. <u>Hydrogeology</u> The EA classify the River Terrace Deposits as a Secondary Undifferentiated Aquifer, the Wittering Formations as a Secondary A Aquifer and the London Clay Formation as an Unproductive Stratum. The deeper Lambeth Group is also expected to be classified as a Secondary A Aquifer whilst the deeper White Chalk Subgroup is expected to be classified as a Principal Aquifer. The EA data also indicates that the Site is not in a designated groundwater Source Protection Zone. According to the Envirocheck® Report, there are no licensed abstraction records from groundwater located within 2 km of the Site. <u>Hydrology</u> The following controlled water / environmental receptors have been identified: ▲ A surface water drain feature 140 m to the east; and ▲ The River Itchen running north to south approximately 500 m south east of the Site.
Key Historical Features	Key historical features on Site include: ▲ Gravel Pit denoted along the norther boundary c.1886 – 1896; ▲ Numerous railways lines with station turntable and suspected engine shed c. 1886 – 1909; ▲ Earthworks along western boundary c. 1896; ▲ Several railway lines/sidings located in the north traversing the plot (north to south) c 1909; ▲ Several small rectangular buildings (suspected to be tanks) located in the centre of the Site c. 1946 – 2000; ▲ Circular tank in the centre of the Site c. 1951 - 1967 ▲ Two kilns in the centre of the Site c. 1951 – 1967; ▲ C. 1951 earthworks undertaken to raise levels in the southern area of the Site; ▲ Three tanks are labelled in the east of the plot c. 1984; ▲ An electricity sub-station located on the south-western boundary c. 1993 and; ▲ Within the south eastern area of the Site there are several linear bunds c. 1999.

Summary of Previous Reports	*Preliminary Geo-Environmental Risk Assessment 'Eastleigh Works, Campbell Road, Eastleigh on behalf of Diageo Investment Fund Ltd reference 17.1080.05 dated 18th January 2019.* The report included a review of numerous historical reports that had been completed at the site and surrounding area. A review of historical reports identified the potential presence of a suspected underground waste oil tank in the vicinity of the former above ground fuel tanks in the south east of the Site however the exact location was unknown due to the presence of waste materials. It is also understood that a historic diesel leak had occurred in the area and that routine groundwater monitoring had been undertaken by Atkins (20007) which had initially identified free phase product to be present, which was noted to be absent over a ten year monitoring period after initial identification. The investigation by Atkins (2007) had also identified elevated TPH concentrations (1,350µg/l) to be present in the groundwater in the centre/ south of the site. Overall the report identified that numerous potential pollutant linkages associated with the Made Ground/ infilled quarries and proposed end users of the Site which were considered to pose a low to moderate risk to human health and controlled waters. The report recommended that a ground investigation be completed to quantify the identified linkages and to provide information for preliminary foundation design. Consultation with on Site sources indicated that Asbestos Containing Materials may be present in the south east of the site following historic reprofiling of the Site. *Express Preliminary UXO Risk Assessment 'Eastleigh Works' by 1st Line Defence on behalf of Delta Simons ref EP7016-00 dated 03/08/18* The report concluded that given the occupied nature of the property during the Second World War and absence of recorded strikes/ unexploded ordnance that no specific mitigation measures were considered necessary in relation to ground investigation in the absence of any contradictory information.

2.2 Preliminary Conceptual Site Model

A summary of the preliminary Conceptual Site Model is presented below.

Conceptual Site Model				
Source(s)	**Pathway(s)**	**Receptor(s)**	**Risk Rating**	**Justification & Mitigation (if required)**
Potential point sources of contamination – hydrocarbon fractions, PAHs, PCBs, Solvents, cyanide	Direct contact/ ingestion and inhalation of dust.	Site users.	**Low Risk**	Where present, the development is likely mitigating risks posed to occupants in areas of hardstanding. In areas of soft landscaping, a suitable thickness of chemically compliant growing media will sever identified linkages.
		Maintenance workers during any future sub-surface works at the Site.	**Moderate Risk**	Site workers may become exposed to localised contaminated soils and shallow groundwater during intrusive groundworks undertaken at the Site. Safe working practices should be undertaken and appropriate Personal Protective Equipment (PPE) should be used.
	Leaching of contaminants and vertical and lateral migration.	Groundwater within the Secondary Undifferentiated and A Aquifer	**Low to Moderate Risk**	Whilst localised impact of the underlying groundwater is anticipated to have occurred beneath the Site ,given the industrial nature of the surrounding area, contaminants are unlikely to pose a significant risk to controlled waters. Where NAPL is identified and/ or dissolved phase contaminant concentrations are considered to pose an unacceptable risk to controlled waters/ off Site residential occupants then some localised remediation may be required.
		Off-Site receptors (neighbouring properties/ users and nearby surface water).		
	Permeation of hydrocarbons through plastic pipe work.	Water supply pipes.	**Low to Moderate Risk**	Hydrocarbons, especially aromatics and chlorinated solvents are known to permeate plastic pipes, particularly when encountered at high concentrations. A ground investigation should confirm the requirement for clean service corridors and barrier pipe.
	Vapour inhalation	Site users.	**Low to Moderate Risk**	Given a continued commercial end use of the Site, risks posed to occupants are expected to be limited. Where NAPL is identified within the shallow soils then a risk based approach should be adopted to determine whether source removal or inclusion of vapour protection measures should be adopted.

		Maintenance workers during any future sub-surface works at the Site	**Low to Moderate Risk**	Where encountered, construction workers should adopt appropriate PPE/ RPE when working within impacted materials.
Site wide diffuse contamination in the Made Ground/ Possible Infilled Made Ground in the south of the Site. Bunds/ Raised land (car park)	Direct contact/ ingestion and inhalation of dust.	Site users.	**Low to Moderate Risk**	Where present, the development is likely mitigating risks posed to occupants. In areas of soft landscaping, a suitable thickness of chemically compliant growing media will sever identified linkages.
		Maintenance workers during any future sub-surface works at the Site.	**Low to Moderate Risk**	Site workers may become exposed to localised contaminated soils and shallow groundwater during intrusive groundworks undertaken at the Site. Safe working practices should be undertaken and appropriate Personal Protective Equipment (PPE) should be used.
	Leaching of contaminants and vertical and lateral migration.	Groundwater within the Secondary Undifferentiated and A Aquifer	**Low to Moderate Risk**	From the available information contaminants associated with general Made Ground and potentially infilled land are expected to comprise low solubility immobile hydrocarbon fractions and PAHs, which are unlikely to pose an unacceptable risk to controlled waters given the low sensitivity of the surrounding area. The results of seven years of groundwater monitoring undertaken by Atkins have not identified any significantly elevated contaminant concentrations to be migrating off Site/ impacting adjacent residential receptors and hence the risk is considered to be low. Further investigation will need to be undertaken to confirm the previous findings and depending on the findings of the investigation it may be necessary to undertake groundwater monitoring during construction phases (during enabling works – removal of slab and construction).
		Off-Site receptors (neighbouring properties/ users and nearby surface water).	**Low**	
	Permeation of hydrocarbons through plastic pipe work.	Water supply pipes.	**Low to Moderate Risk**	Hydrocarbons, especially aromatics and chlorinated solvents are known to permeate plastic pipes, particularly when encountered at high concentrations. A ground investigation should confirm the requirement for clean service corridors and barrier pipe.
	Lateral migration and accumulation of potentially	Site users.	**Low**	Based on the results of previous ground investigation works, the Site has been characterised as a CIRIA Characteristic Situation 2 (CS2) gassing regime. It is, therefore, likely that gas protection measures (meeting the appropriate

	lethal/ explosive ground gas.	Maintenance workers during any future sub-surface works at the Site	**Low**	requirements for the building types in CS2 scenario) will require incorporation into the proposed development scheme, which may locally require increasing to offer vapour protection to address risks associated with hydrocarbons/free product.
Former ASTs/UST/ Hydrocarbon impacted hotspot at historic Atkins position P15.	Leaching of contaminants and vertical and lateral migration.	Groundwater within the Secondary Undifferentiated and A Aquifer	**Low to Moderate Risk**	Historically, NAPL has been recorded around the former waste oil tank/ AST however concentrations have been noted to generally reduce over ten years, albeit above assessment criteria, with no evidence of contaminant concentrations being mobile. As part of the development scheme it will be necessary to decommission and remove the UST in accordance with EA Guidance (PPG27), along with localised removal of grossly impacted soils. Validation samples should be obtained of the base and sides of the excavation and beneath the former ASTs. Depending on the findings of the ground investigation it may be necessary to offer betterment of groundwater quality by the introduction of Oxygen Releasing Compounds (ORC) or similar to enhance degradation of existing groundwater concentrations. It is likely that a Detailed Quantitative Risk Assessment (DQRA) and engagement with the EA will be required to support this approach.
Potentially contaminated soil and groundwater from off-Site sources.	Lateral migration.	Groundwater within the Secondary Undifferentiated and A Aquifer	**Low Risk**	Multiple sources of potential contamination have been identified off-Site, up hydraulic gradient of the Site. These sources may have impacted the groundwater beneath the Site however given the overall low sensitivity of the Aquifers, no significant remedial works/ impact upon perceived value is likely to have occurred given the findings of the Atkins ground investigation. No special precautionary measures are likely to be required to mitigate the flow of contaminants onto the Site, however detailed risk assessment may be required to confirm this assessment.
	Vapour inhalation	Site users./Maintenance Staff		

3.0 Site Investigation

3.1 Intrusive Investigation

Delta-Simons carried out intrusive investigation over several phases of investigation between the 17th and 20th December 2018 and between 7th and 29thJanuary. Intrusive works were limited within the bund in the south east due to the presence of dense vegetation and following completion of vegetation removal further ground investigation was undertaken on the 29th January until the identification of a slow worm resulted in the termination of all intrusive activities on the bund. Further intrusive works were undertaken at several boreholes to construct replacement wells on the 11th and 12th February 2019, and between the 11th and 12th February 2019 to assess the potential linkages identified in the preliminary conceptual model (see Section 2.2 above) and to provide geotechnical information.

3.1.1 Health & Safety Considerations

Service plans for the Site were provided by the client; and a utilities clearance specialist attended the Site prior to all intrusive works to trace services on and around the Site prior to excavation of exploratory hole locations.

The findings of a preliminary UXO report (produced by 1st Line Defence for the wider area) has identified the Site to be low risk in relation to Unexploded Ordnance (UXO) and so no specific precautionary measures were required for the works.

Future Contractors should undertake their own assessment of UXO risk in relation to their specific proposed scope of works.

3.2 Scope of Ground Investigation and Rationale

3.2.1 Scope

The ground investigation comprised the following items:

- Initial service avoidance exercise;
- Supervision of all works by a Delta-Simons Geo-Environmental engineer. All intrusive locations were logged to BS5930:2015 Code of Practice for Site Investigations;
- Concrete coring of all borehole positions and hand pitting to 1.2m bgl to check for buried services;
- Drilling of 44 dynamic sampler boreholes (DS101 to DS118 inclusive, DS120 to DS128 inclusive, DS131 to DS146 inclusive and DS149) to a maximum depth of 5.45m bgl with SPTs at regular intervals and installation of monitoring wells at selected locations;
- Four monitoring wells DS102a, DS123a, DS143a and DS144a were re-drilled to permit the construction of monitoring wells into the underlying aquifer. The replacement boreholes were denominated with the letter 'b';
- Drilling of ten cable percussion boreholes (BH101 to BH107 inclusive and BH109, BH110 andBH111) to a maximum depth of 20.15m bgl;
- Preparation of safe working platforms and advancement of three hand held dynamic sampler boreholes (HP/DS101 to HP/DS103 inclusive) to a maximum depth of 3.0m below the surface level of the embankment;
- Completion of five hand pits (HP104 and HP105 and TP102, TP103 TP104) to a maximum depth of 1.2m bgl;
- Completion of 26no. trial pits (TP105 to TP111 inclusive, TP114 to TP127 inclusive and TT1, TT2 and TT3) to a maximum depth of 4.0m bgl; and
- Three locations converted into full scale soakaways tests (TP/SA106, TP/SA112 and TP/SA113) which were completed in accordance with BRE365.

3.2.2 Rationale

Location	Rationale	Key Contaminants of Concern
DS101,	Targeting former hydrocarbon staining at the base of the gravel aquifer in the north of the site	Hydrocarbons, PAH, SVOCs/VOCs
DS102	Location of infilled quarry	Heavy metals, asbestos, hydrocarbon fractions, PAHs, SVOCs/VOCs
DS104	Targeting suspected waste oil tank	Hydrocarbons, PAHs, SVOCs and VOCs
DS108	Location of former above ground tanks	Hydrocarbons, PAH, SVOCs/VOCs
DS122 and DS124	Target previously identified hydrocarbon impacted groundwater in the centre of the site and suspected former above ground tank (concrete plinth)	Hydrocarbons, PAH, SVOCs/VOCs
DS123	Targeting former waste oil, chemicals and paint storage.	Hydrocarbons, PAH and SVOCs/VOCs
DS129	Targeting historic substation.	PCBs, transformer oil
DS132	Targeting former oil and white spirit store.	Hydrocarbons, PAH, cyanide and phenols
DS143, DS144 and BH111, BH105	Targeting previously identified hydrocarbon impacted groundwater and former waste oil tank/ diesel spill/ above ground tanks	Hydrocarbons, PAHs, SVOCs and VOCs
BH107	Targeting former cyanide hardening plant	Cyanide and heavy metals
BH104 – BH110	To provide geotechnical information for the proposed development scheme.	Generalised suite of contaminants for brownfield land given historical use of the site Key contaminants of concern are likely to be asbestos, heavy metals, hydrocarbon fractions, PAHs. Dynamic Sampler techniques were also selected at DS135 to DS137, DS139, to DS141, DS145 and DS149 to minimise disruption to ongoing tenanted operations and to minimise the potential release of ACM fibres based on anecdotal information that ACM materials may be present in this area.
TPs 102-114	To provide information of general site coverage and site conditions.	
TP115 – TP120	To assess the composition of the existing stockpile	
TP121-TP127 and TT1,TT2 and TT3	To assess the composition of the existing bund along the south eastern corner of the Site	
All other DS locations	To provide information of general site coverage and site conditions.	

3.3 Ground Investigation Factual Data

The investigation locations were surveyed in by the appointed surveying contractor to an accuracy of approximately +/- 0.1m. An intrusive exploratory hole location plan is presented as Figure 3a and Figure 3b.

Delta-Simons engineer verified borehole logs, drillers logs and the SPT Calibration Certificates, in accordance with *BS EN ISO 22476-3:2005 (incorporating corrigendum No. 1 2007), Geotechnical investigation and testing - Field testing - Part 3: Standard penetration test for SPT trip hammers* are provided in Appendix B.

3.4 In-Situ Testing and Sampling

SPT tests were undertaken in all boreholes at 1.00 m intervals until 5.00 m bgl, then every 1.5 m bgl thereafter. The results of these tests are presented in the borehole logs included as Appendix B. Corrected SPT values are shown in Figure 4.

Hand vane shear tests were undertaken on cohesive soils encountered within trial pits. Test results are shown on the borehole and trial pit logs presented in Appendix B.

Sampling comprised a mixture of geotechnical and environmental sampling consisting of bulk bags, disturbed tubs and jars details of which are noted on the borehole logs.

Soil samples were screened using a Photo Ionisation Detector (PID) with the results included on the corresponding logs presented as Appendix B.

3.5 Geotechnical Laboratory Testing

A selection of soil samples were submitted to the UKAS accredited laboratory for a range of geotechnical testing, the results of which are included in Appendix C.

The programme of geotechnical testing undertaken on samples obtained from the natural soils is presented within the table below. The purpose of the laboratory testing was to assess the classification properties of the soils encountered in order to inform the outline geotechnical design advice.

Analysis	No. Tested	Rationale
Moisture content	53	To enable classification of soils encountered.
Plastic and liquid limits	48	To enable geotechnical assessment of the Cohesive River Terrace deposits and London Clay Formation
Particle size distribution	22	To enable grading assessment of encountered Made Ground and River Terrace Deposits
One dimensional consolidation test	8	To enable assessment the settlement characteristics of the London Clay Formation
Quick undrained triaxial tests	12	To enable assessment the shear strength of the London Clay Formation
Organic Matter	25	Assess organic content of soils and potential for degradation
pH and water soluble sulphate	80	Provide detailed assessment of chemical aggressive ground conditions for buried concrete design.
Total sulphur and Acid Soluble Sulphate	22	

3.6 Environmental Sampling, In-Situ Testing and Laboratory Analysis

Soils collected for laboratory analysis were placed in a variety of containers appropriate to the anticipated testing suite. Samples were stored in accordance with Delta-Simons' quality procedures to maintain sample integrity and preservation and to minimise the chance of cross contamination. Records of the samples taken as part of the site investigation works, including their depths and location, are included within the exploratory hole records in Appendix B a water sample was also obtained from historic borehole (BH15) from the previous Atkins (2007) ground investigation.

Groundwater samples were obtained from all of the boreholes on 28th to 29th January and from DS102b, DS123b, DS143b and DS144b on the 18th February 2019. The groundwater samples were collected using a dedicated disposable bailer.

Samples analysed for environmental purposes were placed in chilled cool boxes on site and transported to the laboratory for analysis on completion of the groundwater sampling visit.

The rationale for chemical analysis is presented in the table below and the results of the chemical laboratory testing are included in Appendix D and E.

Analytes	No. of Samples Tested		Rationale
	Soil	Ground-water	
Asbestos (with quantification)	71 (6)	-	Common potential contaminant - Analysed in all samples of Made Ground, anticipated to be present in existing bund, stockpile and car park following the demolition of the asbestos stripping shed.
pH, As, Cd, Cu, Cr, Cr(VI), Hg, Pb, Ni, Zn, speciated Polycyclic Aromatic Hydrocarbons (PAH)	61	22	Potential contaminants of concern, common to many sites.
Total Petroleum Hydrocarbons, Criteria Working Group Method (TPHCWG), Benzene, Toluene, Ethylbenzene and Xylene (BTEX)	73	22	Specific analysis to target identified hydrocarbon sources at DS101, DS102, DS122, DS124, DS141, DS142 DS143a, DS143b, DS144a and DS144b.and areas of visual/ olfactory contamination

Analytes	No. of Samples Tested		Rationale
	Soil	Ground-water	
Volatile and Semi-Volatile Organic Compounds (VOC and SVOC)	23	22	Targeting specific identified areas of concern in preliminary CSM and observations of potential contamination during fieldworks. Specific analysis to target identified hydrocarbon sources at DS101, DS122, DS124, DS141, DS142, DS143a, DS143b, DS144a and DS144b.
Polychlorinated Biphenyls (PCB)	3	11	To assess the presence of PCB associated with the substation within the vicinity of DS129.
Phenol	5	12	Targeting specific identified areas of concern in preliminary CSM and observations of potential contamination during fieldworks. Specific analysis to target potential sources at BH107, DS122, BH105 and DS141.
Cyanide	6	17	Targeting specific identified areas of concern in preliminary CSM and observations of potential contamination during fieldworks. Specific analysis to target potential sources at BH107,
pH, sulphate	80	22	To assess potential for chemical attack on buried concrete.

3.7 Monitoring Programme

Four rounds of groundwater level and ground gas monitoring were undertaken on newly installed wells and historic borehole (BH15) between 28th January and 18th February 2019. Measurements of the depth to groundwater within the monitoring wells were taken using an electronic interface meter. The groundwater level monitoring sheets are included as Appendix F.

To characterise the ground gas regime at the Site, an infrared gas meter was used to measure gas flow, concentrations of carbon dioxide (CO_2), methane (CH_4) and oxygen (O_2) in percentage by volume. Initial and steady state concentrations were recorded. The atmospheric pressure before and during monitoring, together with the weather conditions, was recorded. Each location was also screened for the presence of VOCs using a Photo Ionisation Detector (PID). All monitoring results obtained to date together with the temporal conditions are contained within Appendix F.

4.0 Ground Summary

4.1 Introduction

The sections below summarise the ground and groundwater conditions encountered during the Site investigation.

4.2 Ground Model

A summary of the o ground observed at the following locations.

Summary of Observed Ground Conditions – Stockpile in southern open area (TP115 to TP120 inclusive)				
Strata	**Typical Strata Description**	**Depth Range of Strata Base (m)**	**Maximum Proven Thickness (m)**	**Comments**
Made Ground	Soil matrix was found to comprise of a sand and locally clay with varying proportions of 20% - 85% and flint. anthropogenic materials were found to comprise railway sleepers, timbers, wood, concrete boulders, metal wire and piping and fragments of plastic.	*- >2.0-*		*Investigation conducted above ground. No topographical survey information to confirm height – visually estimated to be approximately 3m high.*

Summary of Observed Ground Conditions – Bund in the south eastern corner (TP121 to TP127 inclusive and TT1, TT2 and TT3)				
Strata	**Typical Strata Description**	**Depth Range of Strata Base (m)**	**Maximum Proven Thickness (m)**	**Comments**
Made Ground	Predominantly sand material brick, concrete, granite brick and slag gravel and cobbles plus deleterious items such as timber and plastic (10%). Some deposits of topsoil at TP125 and 50% wood and fly tipped material at TP126. TT1 recorded as topsoil materials, whilst TT2 encountered sand with tyres and hessian bags whilst TT3 encountered sand with wood tree branches.	*- >4.0-*		*Investigation conducted above ground. No topographical survey information to confirm height – visually estimated to be approximately 5m high.*

Summary of Observed Ground Conditions – Site Wide				
Strata	**Typical Strata Description**	**Depth Range of Strata Base (m)**	**Maximum Proven Thickness (m)**	**Comments**
Made Ground Surface Cover -	Surface cover was predominantly found to comprise concrete with the exception of the south east of the Site and topsoil (0.2 m) in the north (DS101)	0.1-0.4	0.4	Average is approximately 0.2m
Made Ground	<u>Phase I - North</u> Made Ground was noted to vary significantly between being locally absent at DS101, <0.4m bgl at DS103 and DS104 whilst being present to 2.5m bgl at the	*0.3m – 2.5m*	*2.5m*	A deep area of Made Ground was encountered at DS102 corresponding to the historically identified infilled gravel pit with a deep area also noted at BH102 and

	remainder of investigation locations. Materials beneath hardstanding were typically found to comprise a thin layer of gravel of brick or clay with inclusions of chalk. Deeper areas of Made ground were found to comprise soft light brown gravelly clay with inclusions of brick, chalk and clinker, ash and coal. <u>Phase II - South</u> Ground conditions were typically found to comprise Made Ground to depths <1.0m bgl locally becoming deeper (1.7m bgl) in the south. The Made Ground was typically found to comprise loose brown, orange, black sandy gravel with variable proportions of clay (locally a soft clay) with inclusions of clinker, concrete, flint, brick, tarmacadam and rare wood.			DS105 which was found to comprise Made Ground of chalk which was considered to correspond to the location of a former stream (potentially infilled) in this area. *No Made Ground was encountered beneath concrete hardstanding at location BH109.* *An area of deep Made Ground was recorded at BH105 to 2.5m bgl comprising firm clay with inclusions of chalk* *DS108 was terminated at 1.1m bgl due to the presence of an obstruction in the Made Ground* *Occasional materials denoted as slag were recorded within the Made Ground deposits*
River Terrace Deposits - Cohesive	These deposits were encountered as soft and firm sandy gravelly clay and silt with inclusions of flint gravel and variable proportions of sand. Where hand shear vanes were completed in these materials they were typically noted exhibit stiff/ firm shear strengths reducing with depth. Strata generally noted to be between 1.0 and 1.5m thick.	*1.2m – >5.0 m*	*>3.6 m*	*River Terrace Deposits (Cohesive) base of strata increases within the southern area. Base of cohesive deposit not proven at DS135*
River Terrace Deposits – Granular	These deposits were encountered as medium dense to dense sand and gravels with inclusions of flint and variable proportions of sand. Localised discontinuous thick bands of firm clay observed. Localised deposits of stiff gravelly clay with inclusions of flint were frequently noted at the base of the stratum and are likely to represent the interface between the River Terrace Gravels and the top of the reworked London Clay Formation.	*5.0m – >7.25m*	*5.45m*	*Base of River Terrace Deposits proven in all cable percussion boreholes except BH106. Base also proven at DS122 and DS136* *BH106 terminated at 7.25 m bgl due to obstruction – suspected cobble.*
London Clay Formation	This material was typically encountered as a stiff grey slightly sandy clay with micro selenite crystals along with very thin lenses of sand.	*>20.15m*	*>13.75 m*	Where boreholes were taken below 10m bgl in the north of the site a band of firm green sandy clay with black sand was encountered between 11 and 13m bgl with variable proportions of sand below this depth

Inferred geological sections are presented as Figures 5a, 5b and 5c with plots of Made Ground thickness and base of River Terrace Cohesive strata included as Figure 6a and 6b.

4.3 Visual and Olfactory Evidence of Contamination - Soils

Visual and olfactory evidence of potential gross contamination was observed during the investigation.

Exploratory Location	Visual and/or olfactory Evidence	Depth (m bgl)	Stratum	PID result (ppm)
BH105	Moderate chemical odour	0.25 – 0.4	Made Ground	0.6 at 0.3 m
BH105	Moderate hydrocarbon odour	2.0 – 2.5	Made Ground	-
BH111	Moderate hydrocarbon odour	3.7 – 6.0	River Terrace Deposits – Granular	9.0-20
DS101	Moderate hydrocarbon odour and sheen	4.7 – 5.0	River Terrace Deposits – Granular	-
DS102a	Moderate hydrocarbon odour	4.6 – 5.0	River Terrace Deposits - Granular	-
DS102b	Moderate hydrocarbon odour	4.95 – 5.9	River Terrace Deposits - Granular	-
DS121	Moderate hydrocarbon odour and associated dark grey staining	2.4 – 2.9	River Terrace Deposits – Granular	10.3 at 2.4 m
DS123	Moderate hydrocarbon odour	2.4 – 3.0	River Terrace Deposits – Granular	-
DS124	Moderate hydrocarbon odour	2.6 – 3.0	River Terrace Deposits – Cohesive	-
DS142	Mild hydrocarbon odour	0.8 – 2.6	River Terrace Deposits – Cohesive	-
DS142	Moderate hydrocarbon odour	2.8 – 3.0	River Terrace Deposits – Granular	19.2 at 2.9 m
DS143a	Strong hydrocarbon odour	3.7 – 4.9	River Terrace Deposits – Granular	208 at 3.8 m 140 at 4.5 m
DS143b	Moderate hydrocarbon odour	3.4 – 6.0	River Terrace Deposits - Granular	-
DS144a	Moderate hydrocarbon odour	3.2 – 4.0	River Terrace Deposits – Granular	104 at 3.8 m
DS144b	Strong hydrocarbon odour	3.7 – 5.8	River Terrace Deposits – Granular	-
TP/SA113	Slight hydrocarbon odour	0.2 – 0.75	Made Ground	0.0 at 0.4 m
TP/SA113	Strong hydrocarbon odour	2.5 – 3.0	River Terrace Deposits – Granular	47.3 at 2.7 m
TP114	Strong hydrocarbon odour	3.5 – 4.0	River Terrace Deposits – Granular	5.0 at 3.3 m 72.6 at 4.0 m

4.4 Groundwater

4.4.1 Strikes During Investigations

Groundwater strikes recorded as boreholes were progressed during the site investigation range from 3.0 to 4.4m bgl (11.32 to 9.61m AOD). For the most part groundwater has subsequently been monitored in the majority of boreholes installed with monitoring wells and water strikes are likely to have been masked by the use of casing during drilling of dynamic sampler boreholes and the addition of water during cable percussion drilling. The groundwater strikes during drilling are summarised below.

Exploratory Hole	Water strike during drilling (m bgl)	Water strike during drilling (m AOD)	Stratum	Comments
BH101	3.3	11.0	River Terrace Deposits – Granular	
BH101	18.8	-4.5	London Clay Formation	Rising to 3.8m bgl after 20 mins
BH102	4.0	10.4	River Terrace Deposits – Granular	
BH103	5.7	8.9	River Terrace Deposits – Granular	Rising to 3.2m after 20 mins
DS101	3.5	10.85	River Terrace Deposits – Granular	
DS102	3.0	11.32	River Terrace Deposits – Cohesive	
DS103	4.0	10.39	River Terrace Deposits – Granular	
DS104	3.54	10.94	River Terrace Deposits – Granular	
DS105	3.5	10.74	River Terrace Deposits – Granular	
DS106	3.9	10.03	River Terrace Deposits – Granular	
DS116	4.3	9.33	River Terrace Deposits – Granular	
DS118	4.4	9.61	River Terrace Deposits – Granular	
DS122	4.0	9.98	River Terrace Deposits – Granular	
DS135	4.0	9.9	River Terrace Deposits – Cohesive	
TP109	3.9	9.63	River Terrace Deposits – Granular	
TP110	3.9	9.77	River Terrace Deposits – Granular	

4.4.2 Levels During Monitoring Programme

Groundwater levels were monitored on a total of four occasions between 28th January 2019 and 21st February 2019. Monitoring data is provided in Appendix F and summarised in the table below.

Exploratory Hole	Response Zone		Water level during monitoring Max to Min Range		LNAPL Y/N	Stratum
	m bgl	m AOD	m bgl	m AOD.		
BH101	2.5-6.0	11.8-8.3	10.85	11.04	**N**	River Terrace Deposits
BH102	2.0-5.0	12.4-9.4	10.37	10.65	**N**	River Terrace Deposits
BH103	15—19.95	-5.35- -0.4	10.51	11.01	**N**	London Clay Formation
BH104	2 – 6.3	12.49 – 8.01	3.40 - 3.67	10.79 - 11.03	**N**	River Terrace Deposits
BH105a	0.5 – 1	13.51 – 13.01	DRY	DRY	**N**	Made Ground
BH105b	3 – 6	11.01 – 8.01	3.46 - 4.23	9.78 - 10.30	**N**	River Terrace Deposits
BH106	1 – 7.25	12.90 – 6.65	3.72 - 4.12	9.76 - 9.97	**N**	River Terrace Deposits
BH107	2 – 6	11.89 – 7.89	3.84 - 4.28	9.61 - 9.87	**N**	River Terrace Deposits
BH109	2.1 – 6	11.70 – 7.80	3.75 - 3.91	9.64 - 10.05	**N**	River Terrace Deposits
BH110	2 – 6.1	11.47 – 7.37	3.70 - 3.91	9.56 - 9.77	**N**	River Terrace Deposits
BH111	3.7 – 6	10.25 – 7.95	3.96 - 4.26	9.67 - 9.99	**N**	River Terrace Deposits
BH15*	1.5 – 4.6	12.81 – 9.71	3.13 - 3.36	10.91 - 11.18	**N**	River Terrace Deposits
DS101	1 – 5	13.35 – 9.35	3.18 - 3.41	10.91 - 11.17	**N**	Made Ground/River Terrace Deposits
DS102a	0.7 – 3.7	13.62 – 10.62	3.39 - 3.53	10.79 - 10.93	**N**	Made Ground/River Terrace Deposits
DS102b**	1 – 6	N/A	3.31	N/A	**N**	River Terrace Deposits
DS104	1 – 5	13.48 – 9.48	3.49 - 4.55	10.76 - 10.99	**N**	River Terrace Deposits
DS105	1 – 5	13.24 – 9.24	3.64 - 4.82	9.42 - 10.60	**N**	River Terrace Deposits

Exploratory Hole	Response Zone		Water level during monitoring Max to Min Range		LNAPL Y/N	Stratum
	m bgl	m AOD	m bgl	m AOD.		
DS110	1 – 3.5	12.96 – 10.46	3.55	10.41	**N**	River Terrace Deposits
DS111	1 – 3.3	12.89 – 10.39	DRY	DRY	**N**	River Terrace Deposits
DS112	1 – 4	13.49 – 10.49	DRY	DRY	**N**	River Terrace Deposits
DS114	1 – 3	12.69 – 10.69	DRY	DRY	**N**	River Terrace Deposits
DS116	1 – 3	12.63 – 10.63	DRY	DRY	**N**	River Terrace Deposits
DS117	1 – 4.8	13.49 – 9.69	4.72	9.67	**N**	River Terrace Deposits
DS118	1 – 5	13.01 – 9.01	4.22 - 4.52	9.46 - 9.79	**N**	River Terrace Deposits
DS120	1 – 3	12.89 – 10.89	DRY	DRY	**N**	River Terrace Deposits
DS122	2 – 4	11.98 – 9.98	4.05 - 4.37	9.80 - 9.89	**N**	River Terrace Deposits
DS123a	1.4 – 4.4	12.54 – 9.54	DRY	DRY	**N**	River Terrace Deposits
DS123b**	1 – 6	N/A	4.12	6.05	**N**	River Terrace Deposits
DS124a	0.5 – 1	13.35 – 12.85	DRY	DRY	**N**	Made Ground/ River Terrace Deposits
DS124b	3 – 5	10.85 – 8.85	3.90 – 4.16	6.95 – 4.69	**N**	River Terrace Deposits
DS128	2 – 4	11.90 – 9.90	DRY	DRY	**N**	River Terrace Deposits
DS132	1 – 4	12.78 – 9.78	DRY	DRY	**N**	River Terrace Deposits
DS133	1 – 4	12.82 – 9.82	3.87	9.91	**N**	River Terrace Deposits
DS135	1 – 5	12.90 – 8.90	4.11 - 4.14	9.76 - 9.79	**N**	**Made Ground and River Terrace deposits**
DS136	1 – 4.15	13.04 – 9.89	DRY	DRY	**N**	**Made Ground and River Terrace deposits**
DS139	1 – 4	13.24 – 10.24	DRY	DRY	**N**	**Made Ground and River Terrace deposits**
DS141	1 – 4.2	13.07 – 9.87	4.05 - 4.32	9.75 - 10.02	**N**	**Made Ground and River Terrace deposits**
DS143a	1.5 – 4.4	12.48 – 9.58	4.10 - 4.29	9.69 - 9.88	**N**	River Terrace Deposits
DS143b**	1 – 6	N/A	4.10 - 5.95	N/A	**Y**	River Terrace Deposits
DS144a	1.5 – 4.5	12.45 – 9.45	3.85 - 4.11	9.84 - 10.10	**N**	River Terrace Deposits
DS144b**	1 – 6	N/A	4.09 - 5.38	N/A	**Y**	River Terrace Deposits
DS146	1 – 5	12.88 – 8.88	3.91 - 4.09	9.77 - 9.97	**N**	River Terrace Deposits
DS149	1 – 5	12.99 – 8.99	DRY	DRY	**N**	**Made Ground, River Terrace deposits and London Clay**

* Historic borehole.
** Locations not levelled in

Interpolated groundwater contour plot (based on the Delta-Simons boreholes only) is provided as Figure 7.

Groundwater levels during monitoring varied between 3.13 and 4.82 bgl (10.91 to 10.60m AOD) within the River Terrace Deposits and generally groundwater falls towards the south. The results of the groundwater plot have indicated groundwater to likely flow in a southerly direction, locally flattening in the south/ with a south westerly direction.

4.5 Visual and Olfactory Evidence of Contamination - Groundwater

During the second round of groundwater sampling, 15 and 30mm of product were observed within the bailers used to sample DS143b and DS144b respectively. Free product and strong hydrocarbon odour were noted during groundwater monitoring at location BH111. All locations correspond to the location of the former above ground/ suspected underground tanks.

Strong hydrocarbon odour was noted at locations DS101 and DS102a/b and DS124a/b during ground gas and groundwater monitoring.

4.6 Material Properties

The table below summarises the factual material properties based upon the results of in-situ and laboratory test data and where appropriate provides derived geotechnical parameters.

Parameter	Made Ground	Bund	River Terrace Deposits (Cohesive)	River Terrace Deposits (Granular)	London Clay
Moisture Content - w	16% - 23%	13% - 27%	7% - 25%		21% - 33%
Liquid Limit - wL	34% - 42%	26% - 39%	33% - 49%	-	38% - 85%
Plastic Limit - wP	20-23%	non plastic - 29%	16% - 22%	-	21 - 34%
Plasticity Index - IP	14-19% -	12% - 13%	14% - 27%	-	15% - 51%
Bulk Density – Mg/m^3	-	-	2.04-2.07	-	1.177-2.06
Uncorrected SPT N Value	2 - 32	-	2 - 50	2 - 60	9 – 32
Corrected[1] SPT (N60)	3 - 40	-	3 – 63	3 – 78	11 – 60
Undrained Shear Strength[2] – cu	-	-	51 – 67 kPa	-	33 - 330 kPa
Undrained shear strength[3] – cu	-	-	12 – 294 kPa	-	51 - 270
Modulus of Volume Compressibility [2]	-	-	0.24-0.58	-	0.16 – 0.63
Modulus of Volume Compressibility [4]	-	-	0.03 – 0.95	-	0.037 – 0.2
Phi Angle[4]	28 - 39	-	-	28 – 45	-
California Bearing Ration remoulded	-	5.6%	-	-	-

Notes:
1. SPT N values corrected for energy delivered to drive rods utilising the determined energy ratio (Er): N60 = (Er x N) / 60 after BS EN ISO 22476-3:2005
2. From laboratory test results
3. Correlation by Stroud,1972.
4. Correlation by Peck, Hanson and Thornburn 1967

4.7 Geochemical Testing

Geochemical analysis was undertaken on 48 soil samples of Made Ground, River Terrace Deposits and London Clay, and 12 soil samples of stockpiled material for selective contaminants (BRE Special Digest 1:2005 (3rd Edition), Concrete in Aggressive Ground, the results of which are summarised in the table below.

Bund

Tests	No. of Tests	Minimum	Maximum
Soil - pH	15	7.8	10.8
Soil - Total Sulphur	4	0.067%	0.091%
Soil – Acid Soluble Sulphate	4	0.15%	0.17%

Tests	No. of Tests	Minimum	Maximum
Soil - Water Soluble Sulphate	15	16 mg/L	1800 mg/L

Site Wide

Tests	No. of Tests	Minimum	Maximum
Soil - pH	65	6.8	10.8
Soil - Total Sulphur	37	<0.01%	0.17%
Soil – Acid Soluble Sulphate	37	0.02%	0.33%
Soil - Water Soluble Sulphate	65	10 mg/L	1200 mg/L
Water – pH	22	6.9	8.4
Water - Sulphate	22	2.13 mg/L	114 mg/L

4.8 Ground Gas Data

Gas monitoring results are presented in Appendix F and are summarised in the table below, a total of 4 rounds of gas monitoring was undertaken over a period of 4 weeks with BH101, BH102 and BH103 monitored for an additional two weeks (9th and 16th January 2019) prior to commencement of the wider site programme.

Barometric pressures ranged from 994 mB (visit 1) to 1029mB (visit 3).

Exploratory Hole	Steady Gas Concentration (%v/v)						Steady Flow Rate (l/hr)		Response Zone (m bgl)		Stratum
	Methane		Carbon Dioxide		Oxygen						
	Min	Max	Min	Max	Min	Max	Min	Max	From	To	
BH101	0.1	0.1	0.3	3.8	17.0	20.6	<0.1	<0.1	2.50	6.00	River Terrace Deposits
BH102	0.1	0.1	1.3	2.3	16.9	19.0	-0.1	<0.1	2.00	5.00	River Terrace Deposits
BH103	0.1	0.1	0.6	1.1	18.1	19.7	-0.8	2.2	15.00	20.00	London Clay Formation
BH104	0.1	0.1	0.7	1.5	17.0	21.0	<0.1	<0.1	2.00	6.30	River Terrace Deposits
BH105a	0.1	0.1	<0.1	2.8	17.5	20.0	0.1	0.1	0.50	1.00	Made Ground
BH105b	<0.1	0.1	0.1	1.4	11.7	20.7	0.1	0.1	3.00	6.00	River Terrace Deposits
BH106	0.1	0.1	0.3	16.3	<0.1	19.6	<0.1	<0.1	1.00	7.25	River Terrace Deposits
BH107	0.1	0.1	1.2	2.2	17.0	20.5	<0.1	<0.1	2.00	6.00	River Terrace deposits
BH109	0.1	0.1	0.4	2.1	11.6	20.3	0.1	0.1	2.10	6.00	River Terrace deposits
BH110	0.1	0.1	0.7	2.3	17.0	20.0	0.1	0.1	2.00	6.10	River Terrace deposits
BH111	0.1	0.2	0.1	4.3	5.0	20.0	<0.1	<0.1	3.70	6.00	River Terrace deposits
BH15*	0.1	0.1	1.4	2.5	18.6	21.0	<0.1	<0.1	1.50	4.60	River Terrace Deposits
DS101	0.1	0.1	2.5	2.8	17.8	18.2	<0.1	<0.1	1.00	5.00	River Terrace deposits
DS102a	0.1	0.1	0.9	1.4	19.3	20.7	<0.1	<0.1	0.70	3.70	Made Ground and River Terrace deposits
DS102b**	0.3	0.3	7.5	7.5	6.0	6.0	<0.1	<0.1	1.00	6.00	River Terrace Deposits
DS104	0.1	0.1	0.1	16.3	<0.1	20.7	<0.1	<0.1	1.00	5.00	River Terrace Deposits
DS105	0.1	0.1	0.7	1.7	18.7	20.5	<0.1	<0.1	1.00	5.00	River Terrace deposits
DS110	0.1	0.1	0.3	0.4	20.0	20.6	-0.1	0.1	1.00	5.00	River Terrace deposits
DS111	0.1	0.1	0.7	0.7	19.8	20.3	<0.1	<0.1	1.00	3.50	River Terrace deposits

Exploratory Hole	Steady Gas Concentration (%v/v)						Steady Flow Rate (l/hr)		Response Zone (m bgl)		Stratum
	Methane		Carbon Dioxide		Oxygen						
	Min	Max	Min	Max	Min	Max	Min	Max	From	To	
DS112	0.1	0.1	0.5	1.0	18.9	20.0	<0.1	<0.1	1.00	3.30	River Terrace deposits
DS114	0.1	0.1	0.1	1.1	16.3	20.5	0.2	0.2	1.00	4.00	River Terrace deposits
DS116	0.1	0.1	0.7	1.5	17.4	20.3	<0.1	<0.1	1.00	3.00	River Terrace deposits
DS117	0.1	0.1	0.9	2.2	18.7	20.2	<0.1	<0.1	1.00	3.00	River Terrace deposits
DS118	0.1	0.1	0.2	0.5	19.6	20.1	<0.1	<0.1	1.00	4.80	River Terrace deposits
DS120	0.1	0.1	0.1	0.1	20.0	20.4	<0.1	<0.1	1.00	5.00	River Terrace deposits
DS122	0.1	0.1	0.1	2.7	15.2	20.3	<0.1	<0.1	1.00	3.00	River Terrace deposits
DS123a	0.1	0.1	0.6	2.3	17.0	19.5	-0.1	-0.1	1.40	4.40	River Terrace deposits
DS123b	0.1	0.1	0.5	0.5	19.2	19.2	<0.1	<0.1	2.00	4.00	River Terrace deposits
DS124a	0.1	0.7	5.3	6.9	0.3	1.7	<0.1	<0.1	0.50	1.00	Made Ground and River Terrace deposits
DS124b	0.1	0.2	6.0	7.1	0.2	6.2	<0.1	<0.1	3.00	5.00	River Terrace deposits
DS128	0.1	0.1	2.7	3.8	6.2	12.9	<0.1	<0.1	2.00	4.00	River Terrace deposits
DS132	0.1	0.1	0.8	3.3	9.0	20.0	<0.1	<0.1	1.00	4.00	River Terrace deposits
DS133	0.1	0.1	0.3	2.6	14.2	20.5	<0.1	0.1	1.00	4.00	River Terrace deposits
DS135	2.9	4.6	1.7	3.5	0.1	7.9	<0.1	0.1	1.00	5.00	Made Ground and River Terrace deposits
DS136	0.1	4.1	0.9	3.2	0.7	17.2	<0.1	0.1	1.00	4.15	Made Ground and River Terrace deposits
DS139	2.6	3.7	4.3	5.8	<0.1	0.4	<0.1	0.1	1.00	4.00	Made Ground and River Terrace deposits
DS141	0.1	0.1	4.6	6.6	5.8	9.0	<0.1	0.1	1.00	4.20	Made Ground and River Terrace deposits
DS143a	0.4	0.7	5.0	7.5	3.9	13.1	<0.1	0.1	1.50	4.40	River Terrace deposits
DS143b**	0.1	0.1	0.1	0.1	19.6	19.6	<0.1	<0.1	1.00	6.00	River Terrace Deposits
DS144a	0.1	0.5	1.1	8.9	0.1	19.0	<0.1	<0.1	1.50	4.50	River Terrace deposits
DS144b**	0.1	0.1	0.9	0.9	19.3	19.3	-0.1	-0.1	1.00	6.00	River Terrace Deposits
DS146	0.9	3.8	3.5	5.9	0.1	8.7	<0.1	<0.1	1.00	5.00	River Terrace deposits
DS149	0.1	0.1	5.0	7.8	0.8	7.8	<0.1	0.1	1.00	5.00	Made Ground, River Terrace deposits and London Clay

* Historic borehole
** Locations not levelled in

5.0 Geotechnical Assessment

5.1 Summary of Development Proposals

It is currently understood that the area is currently being considered for redevelopment comprising of the construction of multiple small to medium warehouse and office units with associated car parking and limited areas of soft landscaping with an area of car parking and storage area located in the south of the Site. As part of these works, it may be necessary to raise Site levels in the south of the Site in order to accommodate drainage falls. Whilst a detailed scheme is not available, it is understood that columns loads up to 250kN with uniformly distributed loads (UDLs) up to 37.5kN/m^2 may be required. A proposed development plan is provided as Figure 2. Five existing buildings require demolition to accommodate the proposed properties.

Once detailed loads and layouts become available for the proposed development, it is recommended that the following recommendations be reviewed in the context of the proposed scheme.

5.1.1 Existing Ground Conditions

A review of historical mapping has indicated the potential presence of deep infilled land along the north western boundary of the Site associated with a former gravel pit, along with localised areas of deep Made Ground up to 2.5m bgl in the north. Generally Made Ground deposits in the centre and south of the site were found to be less than 1.0m bgl, however were noted to increase in thickness towards the south.

The underlying natural strata has been found to comprise the River Terrace Deposits consisting of an upper layer of firm, locally soft sandy gravelly clay with an average thickness of 1.0-1.5m bearing onto medium dense to dense sands and gravels. The underlying solid strata has been found to comprise the London Clay Formation consisting of stiff clay with bands of firm sandy clay at depth.

The results of the investigation have highlighted the stockpile in the south of the site to comprise a range of materials that are unlikely to be suitable for reuse at the Site. The Bund along the south east boundary has been found to comprise a range of materials including sand with inclusions of brick and concrete along with some wood and plastic, whilst other areas have been found to comprise a mixture of topsoil along with some inclusions of sand and tree branches. Following suitable processing it may be feasible to reuse a significant proportion of this material as engineered fill.

No evidence of desiccated soils were noted in the area of former kilns in the centre of the Site.

Multiple soil samples were also subject to organic matter content with results varying between 0.4% and 13% from the exploratory holes and 3.8% and 5.2% from the stockpile with one sample from the bund found to have contents in excess of 5%. Typically, materials with organic contents greater than 5% are not considered suitable for use as engineered fill. These materials are unlikely to degrade significantly overtime, however it would be pertinent to remove the overlying ashy layer from the embankment during any future upfilling works.

5.1.2 Competent Founding Strata

Made Ground deposits are generally not considered to be suitable founding strata unless they have been homogenised by ground improvement techniques or subject to significant and prolonged surcharging. The River Terrace Deposits are considered to provide a suitable stratum however foundations taken into the cohesive deposits are only expected to be able to support relatively low working loads whereas the deeper medium dense gravels are expected to provide much greater bearing capacities and corresponding reduced total settlements. Where feasible, it is likely that foundations taken into the deeper granular strata will be preferable. Where higher working loads are required then foundations transferring loads to the deeper London Clay Formation are expected to be suitable.

5.1.3 Groundwater Constraints

Groundwater has typically been recorded at depths between 3.13m and 4.82m bgl, and given the depth of anticipated foundations are unlikely to pose a constraint unless a significant thickness of soft clay is encountered at the top of the River Terrace Deposits. Sub artesian groundwater conditions were also identified within the London Clay Formation, typically within the sandy layers of the London Clay Formation.

5.1.4 Ground Model

For the purpose of the following assessments, the below ground model has been adopted.

Stratum	Base of Stratum m bgl	Phi angle	Shear Strength kPa	Modulus of Volume Compressibility m^2/MN
Made Ground	1.0	28	N/A	N/A
River Terrace Deposits Cohesive	2.0	N/A	50	0.2
River Terrace Deposits Granular	6.0	36	N/A	N/A
London Clay	>20	N/A	100 – 260	0.08

5.2 Foundations

5.2.1 Spread Foundations

For the purposes of this assessment, a range of bearing capacities have been provided for pad foundations taken into the top of the River Terrace Deposits. Where foundations are locally deepened to 3.0 m bgl, bearing capacities would need to be reassessed in order to limit total settlements to 25 mm due to the London Clay Formation being subject to additional stress.

Stratum	Foundation/Depth	1m by 1m pad kPa	2m by 2m pad kPa	3m by 3m pad kPa
River Terrace Deposits (cohesive)	1.0	140	140	130
River Terrace Deposits (granular)	2.0	400	400	280
River Terrace Deposits (granular)	2.5	400	400	280
*Foundation bearing capacities have been limited to 25mm total settlement				

In areas of deep Made Ground or deep cohesive deposits, pad foundations may locally require deepening and consideration may need to be given to the use of mass concrete foundations. Locally deep cohesive deposits have been encountered at DS135 and an alternative foundation solution may need to be considered in this area.

All foundation excavations should be inspected by a suitably qualified geotechnical engineer prior to casting to ensure the appropriate depth, founding medium and strength characteristics have been achieved.

5.2.2 Floor Slabs

Lightly loaded ground bearing floor slabs (<10kN/m^2) are expected to be suitable in areas of limited Made Ground (<1.0m bgl) given the granular nature of the Made Ground.

Where higher working loads are anticipated, floor slabs are likely to be subject to excessive settlements >25mm due to the thickness of low shear strength clays within the River Terrace deposits. Floor slabs loaded up to 37.5kN/m^2 may be subject to settlements up to 35mm based on a 25m by 35m unit which may not be acceptable. Differential settlement may also pose an unacceptable risk where variable thickness of Made Ground are present especially following the removal of existing buildings and associated foundations.

It is recommended that a range of ground improvement options be considered to improve the settlement characteristics of the soils. These may comprise:

<u>Excavation and Replacement</u>

This would comprise the excavation of poor performance soils including the Made Ground and total/ partial removal of the Cohesive Deposits and replacement with compacted granular engineered fill which should be placed in accordance with an earthworks strategy to achieve the performance requirements of the proposed development; This technique may result in the creation of significant volumes of material which may require disposal off site.

Vibro Ground Improvement

This technique comprises the injection of a probe into the ground which vibrates and densifies the surrounding ground. The probe is then retracted and the resulting void is then filled with granular material, with the probe then placed back into the ground and vibrated to increase the density of the infilled soils, this is then repeated until the void is filled to surface. The process is then repeated on a grid basis across the entire site to improve the density and consistency of the soils across the building footprint permitting the use of shallow spread foundations and ground bearing floor slabs. This technique is often regarded as preferential as it does not result in the removal of significant volumes of soil off site however its suitability may be limited in areas of sensitive structures such as the underground sewer.

Compaction

There are a range of compaction techniques comprising rapid impact and rolling compactors which can increase the density of the soils and also monitor the improvement in soil density enabling further targeted compaction to be undertaken across the site. Following compaction of the soils it is then possible to construct shallow foundations and ground bearing floor slabs. This technique usually offer the greatest benefits where voids are already present and the soils are granular in nature with limited improvements typically achievable within cohesive soils. This technique may be limited and not appropriate in areas of sensitive structures and underground sewers.

Depending on the final layout of the site it is recommended that a specialist ground improvement contractor be consulted to confirm the suitability of ground improvement techniques and the viability of the proposed methodology to support the proposed development. It is recommended that the warranties associated with each technique be considered as part of the viability assessment.

Prior to casting floor slabs, it is recommended that the building footprint be proof rolled and inspected by a suitably qualified engineer for soft spots. Where identified, these should be excavated and replaced with granular engineered fill.

5.2.3 Shrink/ Heave Precautions

Given the predominantly granular nature of the overlying Made Ground and comparatively thin layer of cohesive soils and granular component, no specific shrink heave protection measures are considered necessary given the site's current use as 100% hardstanding for commercial buildings and a similar future ongoing use.

5.3 Roads and Pavements

No insitu CBR tests were undertaken as part of the proposed ground investigation. Given the presence of Granular Made Ground across the site however a minimum CBR value of 3% is likely to be suitable and should be confirmed by insitu CBR tests. The results of one remoulded CBR from the bund indicating that a CBR value of 5.6% was achievable and where this material is utilised as engineered fill (following processing) a CBR value of 5% is likely to be suitable.

5.4 Drainage and Soakage Tests

Soakaway tests were carried out at three locations (TP/SA106, TP/SA112 and TP/SA113) on 15th January 2019. The results are presented in Appendix F and are summarised in the table below.

Exploratory Hole	Response Stratum	Permeability (m/s)	Drainage Characteristics
TP/SA106	River Terrace Deposits- Cohesive	1.33 – 2.36 x 10^{-6}	Good
TP/SA112	River Terrace Deposits – Granular	7.78 – 8.7 x 10^{-5}	Good
TP/SA113	River Terrace Deposits - Granular	1.79 – 2.94 x 10^{-5}	Good

The results of the soakaway testing are considered to exhibit a range of permeability values between1x 10^{-5} and 10^{-6} m/s with soakaways taken into the granular portion of the River Terrace deposits exhibiting an order of magnitude greater permeability than in the upper cohesive stratum. It should be noted that where soakaways are taken into the deeper granular strata, soakaway construction may not be suitable where an insufficient

thickness of unsaturated strata is present and hence areas of thick cohesive River Terrace Deposits may locally preclude the construction of soakaways.

5.5 Excavations & Obstructions

It is expected that conventional mechanical excavators will readily remove the Made Ground and River Terrace Deposits likely to be encountered in shallow excavations. Given the scale of the site it is likely that larger scale 360 hydraulic excavators and breakers will be required to remove the existing hardstanding and any obstructions including existing retaining walls.

All shallow foundation or services excavations at the Site should be considered unstable, therefore, temporary support of all excavations should be considered when excavating on-Site.

5.6 Groundwater

Significant groundwater would not be anticipated during the excavations required as part of the proposed development, unless excavations are taken below 3.5m bgl. Should any perched groundwater be encountered, then local dewatering via sump and pump should be suitable, however, treatment prior to disposal to sewer may be required, this is likely to be pertinent in areas of previously identified organic contamination.

5.7 Slopes & Retaining Features

An embankment is present along the north west boundary of the Site and recommendations associated with the treatment of this feature have been considered under separate Delta Simons document (ref 17-1080.05 BR dated February 2019).

A small retaining wall is present in the centre of the Site and will need to be removed as part of the proposed development scheme.

5.8 Earthworks

Localised reprofiling works will be required in the centre of the Site to accommodate the variation in levels in relation to the proposed development scheme. It is also anticipated that localised earthworks may be required to enable the reprofiling of the existing car park to allow the construction of sufficient falls across the car park to permit the drainage of surface water.

The results of the investigation have identified materials within the stockpile in the north of the carpark/ storage area to be unsuitable for use as engineered fill due to the high quantity of waste and deleterious materials and hence these materials will likely require disposal off site.

The investigation has indicated the bund to comprise a mixture of soils comprising sand with inclusions of brick and concrete along with some wood and plastic, whilst other areas have been found to comprise a mixture of topsoil along with some inclusions of sand and tree branches. Based on visual inspection, it is likely that this material has been generated as part of a site scrape or several phases of scrape and left in a bund. It may therefore be possible to process this material which could be placed beneath areas of hardstanding as engineered fill based on 50-75% recovery with the remaining materials requiring disposal off site. Based on conversations with the client it is understood that material within the bund will be screened in order establish various material streams which can then be used as engineered fill following geotechnical classification.

Materials used as fill will need to be placed to a suitable engineering specification with the degree of compaction required will be dependent on end usage and serviceability criteria. For example, a lesser degree of compaction may be suitable for paved areas than for building platforms supporting foundations and ground bearing slabs. It is recommended that an outline earthworks specification be produced to support the reuse of materials as part of any reprofiling exercise at the Site.

5.9 Chemical Attack on Buried Concrete

For the purpose of this assessment, parameters used for the assessment of buried concrete in chemical aggressive ground conditions has been split into two anticipating foundation strata comprising:

- Made Ground and River Terrace (pad/trench/large excavations); and
- Made Ground – stockpiled/Bund material.

Given the presence of potentially pyritic materials such as slag, coal, ash and clinker within the Made Ground, a conservative approach has been adopted when assessing the shallow soils in accordance with the recommendations presented in BRE Special Digest 1, 'Concrete in Aggressive Ground' 2005'. Buried foundations taken solely into the Made Ground and River Terrace deposits should be designed to resist DS2 – AC2 chemically aggressive ground conditions.

In accordance with the recommendations of BRE Special Digest 1, 'Concrete in Aggressive Ground' 2005, the conditions of the stockpiled soils on Site would therefore be classified as Design Sulphate Class DS-3 and ACEC Class AC-2s for soils and groundwater, when considering the most appropriate type of concrete to be used at the site in order to resist chemical attack from elevated sulphate present in the soils (assuming mobile groundwater in potentially pyritic soils).

6.0 Generic Quantitative Risk Assessment

6.1 Introduction

The presence of hazardous substances in or on a site is generally only of concern if an actual or potential unacceptable risk exists. Legislation and guidance on the assessment of contaminated sites, consistent with UK best practice, acknowledges the need for a tiered risk-based approach. A Preliminary Risk Assessment is presented in Section 2.2. This section represents a Generic Quantitative Risk Assessment (GQRA) being a comparison of site contaminant levels against Generic Assessment Criteria.

6.2 Human Health GQRA

The assessment of risks in relation to human health has been undertaken using Generic Assessment Criteria as detailed within the appropriate tables. Risks from soil, groundwater and Non-Aqueous Phase Liquids (NAPL) have been considered.

The end use scenario adopted for the assessment is a Commercial / Industrial end use, considered appropriate based on the proposed commercial / industrial redevelopment.

6.2.1 Risks from Soil Sources

Based on the proposed use of the Site for light industrial use, the soil and groundwater chemical data has been compared against a commercial / industrial end use GAC for 1% soil organic matter (SOM) content.

The primary exposure pathways considered in the risk assessment are as follows:

- Ingestion of soil and indoor dust and / or oral background exposure;
- Inhalation of dust (background and indoor);
- Direct dermal contact; and
- Inhalation of vapour (background and indoor).

A copy of the comparison work sheet is included as Appendix H. The definitions of risk are included as Appendix G.

The majority of contaminants were found to have concentrations below the relevant Generic Assessment Criteria (GAC) with the exception of the following exceedances.

Contaminant	No. Samples	Max Conc. (mg/kg)	GAC (mg/kg)	GAC Source	No. Exceed GAC	Volatile	Location of Exceedances (depth) = Concentration (mg/kg)	Area of Site of Exceedance
Asbestos	75	0.431%	Detected	DS	49	N	DS134 (0.4m) - Chrysotile & Amosite & Crocidolite (0.431%) DS139 (1.4m) Chrysotile & Amosite & Crocidolite (<0.001%) DS140 (0.6m) – Chrysotile (0.003%) DS146 (0.4m) - Chrysotile & Amosite & Crocidolite (0.020%) TP105 (0.2m) - Chrysotile & Amosite & Crocidolite (0.006%) TP114 (0.3m) - Chrysotile & Amosite (0.214%)	Site wide within the Made Ground – locations where quantifications analysis has been discussed are summarised.
Metals and metalloids								
Lead	61	4100	2300	C4SL	1	N	DS135 (0.5 m)	South- eastern area
Nickel	61	1100	980	LQM	1	N	DS123a (0.3m)	Centre
Polyaromatic Hydrocarbons								
Naphthalene	73	520	190	LQM	1	Y	DS101 (4.80 m)	Northern area
Benzo(a)pyrene	73	38	35	LQM	1	N	HP/DS103 (0.3m) 38mg/kg	Northern area
Dibenz(a,h)anthracene	73	6.4	3.5	LQM	2	N	DS102a (1.50 m) – 4.6mg/kg HP/DS103 (0.3m) 6.4mg/kg	Northern area
Petroleum Hydrocarbons								
Total Petroleum Hydrocarbons	73	22522	5000	DS	5	Y	DS101 (4.8 m) – 6,914mg/kg DS140 (0.6 m) – 5,303mg/kg DS143a (3.80 m) – 5702mg/kg DS144a (3.80 m) – 8026mg/kg BH105 (0.3m) – 22,522mg/kg TP114 (4.0m) 7282mg/kg	Northern and southern areas
VOCs								
Vinyl Chloride	23	1	0.059	LQM	1	Y	BH103 @0.8-1.2m bgl – 1mg/kg	Exceedance due to limit of detection being greater than
1,2 Dichloroethane	23	1	0.67	LQM	1	Y	BH103 @0.8-1.2m bgl – 1mg/kg	

Contaminant	No. Samples	Max Conc. (mg/kg)	GAC (mg/kg)	GAC Source	No. Exceed GAC	Volatile	Location of Exceedances (depth) = Concentration (mg/kg)	Area of Site of Exceedance
								screening criteria. Higher LOD adopted due to requirement to adopt different dilution rations due to soil matrix

Notes: C4SL = Category 4 Screening Levels (C4SLs) published by DEFRA.
DS = In-house GAC derived by Delta-Simons Environmental Consultants Ltd, 2018.
EIC = Guidance values produced by the Environmental Industries Commission (EIC), the Associated of Geotechnical and Geoenvironmental Specialists (AGS) and Contaminated Land: Application in Real Environments (CL:AIRE) in December 2009.
LQM = Land Quality Management/ CIEH S4Uls for Human Health Risk Assessment, 2014.
No GAC = No Generic Assessment Criteria value available for compound.

Asbestos was encountered in 49 out of 75 samples tested within the Made Ground, stockpile and bund with six samples subject to quantification analysis with concentrations above 0.1%wt/wt recorded at TP114 (0.214%) and DS134 at 0.431% within the Made Ground.

Asbestos containing materials in the Made Ground, stockpiles and bunds were typically found to comprise chrysotile and amosite loose fibres, fibrous debris and sporadic cement material along with very localised crocidolite.

The results of the assessment have identified localised elevated concentrations of lead at DS135 at 0.5m bgl and nickel at DS123a at 0.3m bgl within the Made Ground along with marginally elevated PAHs also recorded at HP/DS103 and and DS102.

Elevated total TPH concentrations have been identified at DS101, DS143 and DS144 corresponding to the identification of organic contamination in the soils at these locations. Elevated TPH concentrations have also been recorded at DS140 at 0.6m bgl which is likely to be reflective of tarmacadam in the soils whilst a significantly elevated concentration has been recorded at BH105 at 0.3m bgl (22,522mg/kg) which corresponds to a chemical odour but also coal fragments in the Made Ground at this location.

The assessment has also identified numerous elevated TPH fractions to be present at concentrations in excess of their saturation limits generally confirming the observations of hydrocarbon impacted soils at DS101, DS142, DS143, DS144, TP/SA113 and TP114 within the River Terrace Deposits. It should be noted that NAPL was not identified at any of the locations and in areas where organic contamination was not visibly identified, these concentrations may correspond to the abundance of coal and clinker fragments noted to be present in the Made Ground.

Marginal exceedances of several VOCs were also recorded within the Made Ground at BH103 however this was due to the analytical limits of detection being greater than the adopted screening criteria, resulting from the soil matrix requiring greater dilution and hence higher limits of detection. No significance has been attributed to these analytical exceedances.

Pathways associated with these contaminants are expected to comprise dermal contact, ingestion and inhalation of impacted particulates and inhalation of fibres along with the inhalation of vapours.

The soil analysis results are considered further in the Conceptual Site Model (CSM) presented in Section 8.0 with regard to potential pollutant linkages.

6.2.2 Risks from Groundwater Sources

Based on the proposed use of the Site for light industrial use, the soil and groundwater chemical data has been compared against a commercial / industrial end use GAC to assess risks from groundwater sources to indoor air and subsequent vapour inhalation indoors.

One potentially volatile contaminant was detected within the groundwater samples in excess of relevant human health criteria and is provided in the table below.

Contaminant	No. Samples	Max Conc. (µg/l)	GAC (µg/l)	GAC Source	No. Exceed GAC	Location of Exceedances
Aliphatic TPH >C10-C12	15	14000	>3600	SoBRA	3	(DS143b, DS144b and BH111) Southern area
Notes: SoBRA = Society of Brownfield Risk Assessment "Development of Generic Assessment Criteria for Assessing Vapour Risks to Human Health from Volatile Contaminants in Groundwater", dated February 2017 (Version 1.0).						

Three exceedances were noted in the southern area corresponding to the organic contamination in the soils and recorded NAPL at DS143 and DS144.

The water analysis results are considered further in the Conceptual Site Model (CSM) presented in Section 8.0 with regard to potential pollutant linkages.

6.2.2 Risks from Non-Aqueous Phase Liquids (NAPL)

Soil and groundwater exposure models used in generating Generic Assessment Criteria do not account for the potential for NAPL to represent a source of risk to human health, principally due to the production of vapours. Whilst it is possible to calculate theoretical soil saturation limits, in reality, due to co-solubility effects, these are not an appropriate indicator of the presence of NAPL. In order to assess the presence of NAPL, for petroleum hydrocarbons, an assessment criterion of 5,000 mg/kg has been applied based on professional experience.

The following has been identified in relation to NAPL at the Site:

- Concentrations of Total Petroleum Hydrocarbons in excess of 5,000 mg/kg were recorded in locations noted with hydrocarbon odour (DS101 at 4.8m, DS140 at 0.6m bgl, BH105 at 0.3m and TP114 at 4.0m bgl however NAPL was observed at DS140 and elevated TPH concentrations are likely to be representative of tarmacadam within the sample;
- NAPL was encountered during groundwater monitoring works associated with the historic diesel tank at DS143b (15mm) and DS144b (30mm);
- Elevated PIDs have been recorded at DS143a at 3.8m bgl(208ppm) and at 4.5m bgl (140ppm), DS144a at 3.8m bgl (104ppm), TP/SA113 at 2.7m bgl (47.3ppm) and TP114 at 4.0m bgl (72.6ppm)

On this basis, there is evidence of a potential NAPL source which may represent a risk to human health in the context of vapour inhalation.

6.3 Controlled Waters / Water Environment GQRA

6.3.1 Groundwater Results

The approach adopted to assessing risks to Controlled Waters / Water Environment is based principally on considering the concentrations of contaminants identified within the groundwater samples obtained in comparison to relevant GAC.

Given the ‘prevent and limit’ approach of the Water Framework Directive (2000/60/EC) and the identified receptors, a range of Water Quality Standards (WQS) have been applied as Generic Assessment Criteria (GAC), these include Water Framework Directive standards and thresholds (WFD), the Freshwater Environmental Quality Standards (EQS), the UK Drinking Water Quality Standards (DWQS), WHO Guidelines for Drinking Water Quality or SEPA resource protection values which have been used as initial conservative GAC to assess whether groundwater contamination requires further assessment or discussion in terms of the risks to controlled waters. Where specific water quality standards are not available, Delta-Simons has adopted surrogate values based on professional judgement (DS GAC).

Groundwater contaminant concentrations that exceed the applied GAC are then considered in the context of the Site’s environmental setting as to whether further qualitative or quantitative assessment is required as described in subsequent sections. A screening sheet for all samples is presented as Appendix I.

Contaminant	No. Samples	Max Conc. (µg/l)	GAC (µg/l)	GAC Source	No. Exceed GAC	Location of Exceedances	Area of Site of Exceedance
Heavy Metals							
Cadmium	22	0.29	0.08	WFD	3	BH110, DS102a and DS102b	North and south of site
Copper	22	8.6	2.12	WFD	6	DS102a/b, DS104, DS143b, DS146, BH109,	Site wide
Chromium III	22	8.8	4.7	DWQS	1	BH103	Centre
Chromium VI	22	5	3.4	DWQS	3	Limit of detection greater than screening criteria	Site Wide
Nickel	22	20	8.48	WFD	1	BH110	South
Zinc	22	19	8	WFD	1	BH111, BH103	
Inorganic Contaminants							
Total and Free Cyanide	17	10	1	WFD	17	Limit of detection greater than screening criteria	Site Wide
Polyaromatic Hydrocarbons							
Naphthalene	22	22.5	4.24	WFD	3	DS143b, DS144b, BH111	Southern area
Anthracene	22	18.1	0.1	WFD	5	DS101, DS102a, DS143b, DS144b, BH111	Northern, central and southern area
Fluoranthene	22	17.0	0.12	WFD	6	DS101, DS102a, DS124b, DS143b, DS144b, BH111	Northern, central and southern area
Total EPA – 16 PAHs	22	356	0.1	DWQS	7	DS101, DS102a, DS105, DS124b, DS143b, DS144b, BH111	Northern, central and southern area. Site wide exceedance due to Limits of Detection exceeding screening criteria.
Petroleum Hydrocarbons							
Aliphatic TPH >C8-C10	22	2000	300	WHO	3	DS143b, DS144b, BH111	Southern area
Aliphatic TPH >C10-C12	22	14000	300	WHO	3	DS143b, DS144b, BH111	Southern area
Aliphatic TPH >C12-C16	22	55000	300	WHO	4	DS124b, DS143b, DS144b, BH111	Southern area
Aliphatic TPH >C16-C21	22	50000	300	WHO	4	DS124b, DS143b, DS144b, BH111	Central and southern area

Contaminant	No. Samples	Max Conc. (µg/l)	GAC (µg/l)	GAC Source	No. Exceed GAC	Location of Exceedances	Area of Site of Exceedance
Aliphatic TPH >C21-C35	22	34000	300	WHO	4	DS124b, DS143b, DS144b, BH111	Central and southern area
Aromatic TPH >C8-C10	22	120 1100	20	EQS	2	DS144b, BH111	Southern area
Aromatic TPH >C10-C12	22	33000	90	WHO	5	DS101, DS124b, DS143b, DS144b, BH111	Northern, central and southern area
Aromatic TPH >C12-C16	22	110000	90	WHO	5	DS101, DS124b, DS143b, DS144b, BH111	Northern, central and southern area
Aromatic TPH >C16-C21	22	92000	90	WHO	7	DS101, DS124b, DS143b, DS144b, BH106, BH109, BH111	Northern, central and southern area
Aromatic TPH >C21-C35	22	52000	90	WHO	8	DS101, DS124b, DS143b, DS144b, DS149, BH109, BH110, BH111	Northern, central and southern area
Total Petroleum Hydrocarbons	22	410000	300	WHO	6	DS101, DS124b, DS143b, DS144b, BH109, BH111	Northern, central and southern area

Notes: DWQS 2016 = The Water Supply (Water Quality) Regulations 2016 [UK Drinking Water Standards]

WHO 2003 = WHO background documents to Guidelines for Drinking Water Quality, 2003

WHO 2003* = The WHO guidance states that the use of the lowest guidance value for aliphatic hydrocarbons (300 µg/l) for comparison to the total TPH concentration in groundwater will provide a conservative level of protection.

WHO 2017 = WHO Guidelines for Drinking Water Quality (4th Edition), 2017.

The results of the assessment have identified marginally elevated heavy metal concentrations to be present sporadically across the site. Elevated PAHs and TPH fractions have also been recorded in areas of previously identified organic contamination at DS101, DS102a, DS124b and at DS143/DS144/BH111 which were significantly elevated.

Several marginally elevated longer chain TPH fractions have been recorded at BH106 and BH109 however these are considered to be reflective of background concentrations given the historic nature of the Site.

High mobility short chain hydrocarbons, PCBs, cyanide, phenols or VOC contamination has not been identified at the Site above laboratory detection limits.

The groundwater analysis results are considered further in the CSM presented in Section 8.0 with regard to potential pollutant linkages.

6.3.2 Light Non-Aqueous Phase Liquid (LNAPL)

LNAPL was observed to be present at locations DS143b and DS144b with a thickness of approximately 15 – 30 mm recorded at each respective monitoring well during water sampling.

6.4 Built Environment

6.4.1 Potable Water Supply Pipes

The investigation requirements for the selection of potable water pipe material are set out in UKWIR Report 10/WM/03/21. Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites (UKWIR, 2010). This report has very specific and onerous investigation requirements and as such the detailed investigation of each utility route was not within the scope of this investigation.

However, given the presence of organic contamination at the Site, it is considered likely /prudent to consider the use of barrier pipe materials.

It should be noted that at the time of this investigation the future routes of water supply pipes had not been established, hence the investigation and sampling strategy is not likely to be considered fully compliant with UKWIR recommendations. Consequently, a targeted investigation and specific sampling/analytical strategy may be required at a later date once the route(s) of the supply pipe(s) are known. In addition, it is recommended that the relevant water supply company be contacted at an early stage to confirm its requirements for assessment, which may not necessarily be the same as those recommended by UKWIR.

6.4.2 Building Materials

Risks to building materials associated with aggressive ground conditions is addressed in Section 5.9.

6.5 Waste Classification

This investigation was not undertaken to classify materials in terms of waste disposal. Where waste disposal then a specific and detailed investigation in accordance with Environment Agency Guidance WM3 would typically be required.

Should soils be required to be disposed of from Site, the results of the chemical analysis should be forwarded to the proposed receiving facility who will determine what criteria they will accept the waste from Site as. Further investigation in addition to specific waste acceptance criteria (WAC) analysis may be required.

Considering the nature of the materials encountered, more cost efficient and sustainable methods of removing the material should be considered prior to disposal at landfill (e.g. registering with the CL:AIRE Register of Materials) in an attempt to find a site with a requirement for import of materials.

7.0 Bulk Ground Gas Risk Assessment

7.1 Ground Gas Conceptual Site Model

7.1.1 Sources

Historically the site has been subjected to a number of commercial / industrial land uses, including phases of demolition. Furthermore, the site previously contained a Gravel Pit situated in north-west of the site which has been infilled with unknown materials to 2.5m bgl. A review of historical mapping has also indicated the potential for reprofiling/ upfilling works to have occurred along the southern boundary of the Site with unknown materials.

The results of the ground investigation have identified the Made Ground deposits to generally comprise sand and gravel mixture with limited evidence of significant quantities of deleterious materials. The investigation has also identified several sources of organic contamination in the central and southern parts of the Site which depending on the rates of biodegradation within the groundwater may also result in the release of carbon dioxide and methane.

7.1.2 Receptors

The principal receptors under consideration are occupants of the future commercial scheme Other receptors include off Site residents and future maintenance / construction workers.

7.1.3 Pathways

The underlying geology is likely to be of variable permeability with respect to ground gases. The Made Ground and granular River Terrace deposits are expected to be highly permeable and likely to allow preferential migration locally however the cohesive component of the River Terrace deposits may inhibit vertical migration of ground gas. Foundations penetrating the cohesive soils may create preferential pathways for the migration of ground gases. Future maintenance / construction workers may come into contact with hazardous ground gases via entry into below ground confined spaces such as excavations or service entries / inspection points.

7.2 Duration & Extent of Monitoring

Tables 5.5a and 5.5b within CIRIA C665 detail current recommended monitoring duration and frequency for sites in the UK. Based on the identification of potential sources in the preceding section, the gas generation potential is considered to be low, whilst the sensitivity of the proposed development is very low. On this basis, CIRIA C665 recommends between 4 visits over a minimum period of 2 months.

During the four monitoring rounds, gas concentrations have been recorded in a total of 43 monitoring positions. The locations of the monitoring wells are highlighted on Figures 3a and 3b and indicate representative coverage across the whole study area. Monitoring wells have been provided to provide a combination of spatial coverage and to provide targeted information in areas of known of anticipated soils and groundwater contamination and likely corresponding ground gas evolution. Response zones have been predominantly targeted in the River Terrace deposits and locally solely within the Made Ground at DS124 and BH105.

Barometric pressures during the gas monitoring period ranged from 994 mBar to 1029 mBar with pressure noted to be falling during at two monitoring events and hence worst-case conditions are likely to have been captured at the Site.

7.3 Ground Gas Risk Assessment

7.3.1 Background

Based on the proposed commercial end use, the following document has been consulted when assessing the gas regime at the site:

- British Standards Institute (BSI, 2015): Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings, BS:8485.

The presence of a source of hazardous gas within the ground does not necessarily indicate a risk will be present. Consideration of recorded gas flows together with source concentrations can allow an initial assessment to be

made of the potential both for generation and subsequent migration of gas. A Characteristic Situation (CS) is derived from an assessment of the ground gas data and forms the basis of determining mitigation measures.

7.3.2 Gas Screening Value (GSV)

The Gas Screening Value (gas concentration as a fraction x maximum recorded flow) is used to provide an initial assessment of risks to future site users. The GSVs calculated for the monitoring wells are presented in the following table.

Location	Maximum Methane (%v/v)	Maximum Carbon Dioxide (%v/v)	Maximum Flow Rate (l/hr)	GSV / Characteristic Situation			
				Methane		Carbon Dioxide	
				GSV	CS	GSV	CS
BH101	0.1	3.3	<0.1	0.0001	1	0.0033	1
BH102	0.1	1.9	<0.1	0.0001	1	0.0019	1
BH103	0.1	0.7	2.2	0.0022	1	0.0154	1
BH104	0.1	1.7	<0.1	0.0001	1	0.0017	1
BH105a	0.1	2.7	0.1	0.0001	1	0.0027	1
BH105b	0.1	2.0	0.1	0.0001	1	0.002	1
BH106	0.1	0.5	<0.1	0.0001	1	0.0005	1
BH107	0.1	2.4	<0.1	0.0001	1	0.0024	1
BH109	0.1	2.1	0.1	0.0001	1	0.0021	1
BH110	0.1	2.3	0.1	0.0001	1	0.0023	1
BH111	0.2	4.3	<0.1	0.0002	1	0.0043	1
BH15	0.1	2.5	<0.1	0.0001	1	0.0025	1
DS101	0.1	2.8	<0.1	0.0001	1	0.0028	1
DS102a	0.1	1.4	<0.1	0.0001	1	0.0014	1
DS102b	0.3	5.5	<0.1	0.0003	1	0.0055	2*
DS104	0.1	16.3	<0.1	0.0001	1	0.0163	2*
DS105	0.1	1.7	<0.1	0.0001	1	0.0017	1
DS110	0.1	0.4	0.1	0.0001	1	0.0004	1
DS111	0.1	0.7	<0.1	0.0001	1	0.0007	1
DS112	0.1	1.0	<0.1	0.0001	1	0.001	1
DS114	0.1	1.1	0.2	0.0002	1	0.0022	1
DS116	0.1	1.5	<0.1	0.0001	1	0.0015	1
DS117	0.1	2.2	<0.1	0.0001	1	0.0022	1
DS118	0.1	0.5	<0.1	0.0001	1	0.0005	1
DS120	0.1	0.1	<0.1	0.0001	1	0.0001	1
DS122	4.6	2.7	<0.1	0.0001	1	0.0027	1
DS123a	0.1	2.3	-0.1	0.0001	1	0.0023	1
DS123b	0.1	0.5	<0.1	0.0001	1	0.0005	1
DS124a	0.7	6.9	<0.1	0.0007	1	0.0069	2*
DS124b	0.2	7.1	<0.1	0.0002	1	0.0071	2*
DS128	0.1	3.8	<0.1	0.0001	1	0.0038	1
DS132	0.1	3.3	<0.1	0.0001	1	0.0033	1
DS133	0.1	2.6	<0.1	0.0001	1	0.0026	1

Location	Maximum Methane (%v/v)	Maximum Carbon Dioxide (%v/v)	Maximum Flow Rate (l/hr)	GSV / Characteristic Situation			
				Methane		Carbon Dioxide	
				GSV	CS	GSV	CS
DS135	4.6	3.5	0.1	0.0046	2*	0.0035	1
DS136	4.1	3.2	0.1	0.0041	2*	0.0032	1
DS139	3.7	5.8	0.1	0.0037	2*	0.0058	1
DS141	0.1	6.6	-0.1	0.0001	1	0.0066	1
DS143a	0.7	6.6	<0.1	0.0007	1	0.0066	1
DS143b	0.1	0.1	<0.1	0.0001	1	0.0001	1
DS144a	0.1	8.9	<0.1	0.0005	1	0.0089	1
DS144b	0.1	0.9	<0.1	0.0001	1	0.0009	1
DS146	3.8	5.9	<0.1	0.0038	2*	0.0059	2*
DS149	0.1	7.8	<0.1	0.0001	1	0.0078	2*
Notes: CS1+ = Calculated GSV is CS1; however, peak methane exceeds 1%v/v and / or peak carbon dioxide exceeds 5%v/v, therefore, consider increase in CS value.							

The results have shown the majority of locations to be reflective of CS1 gassing regime however the following locations have been found to be reflective of CS2 conditions due to either carbon dioxide or methane exceeding their respective screening levels of 5%v/v or 1%v/v respectively.

At DS104 a peak concentration of 16.3%v/v carbon dioxide was recorded during the first round of monitoring with all subsequent concentrations found to be consistently below 5%. It is unclear why a peak concentration at this level was recorded during this period.

Carbon dioxide concentrations have been consistently recorded above their threshold level at DS102, DS124, DS143, DS144 and are likely to correspond to the presence of infilled ground at this location along with the observation of organic contamination at this location resulting in the classification of a CS2 gassing regime. Elevated concentrations have also been recorded at three out of four monitoring events at DS141, on two out of four occasions at DS146 and on all four occasions at DS149.

Methane concentrations have been consistently recorded above their threshold levels at DS135 on two out of two occasions, once out of two occasions at DS136, during all four monitoring visits at DS139 and during thee out of four occasions at DS146. The reason for these elevated concentrations is unclear however no significant flow rates have been noted during the monitoring periods at any of the boreholes.

It should also be noted that consistently depleted oxygen concentrations have been recorded at BH111, DS124a/b, DS128, DS135, DS139, DS141, DS143a/b, DS144a/b, DS146 and DS149.

Based on the findings of the investigation, evidence of organic contamination and localised areas of infilled ground it is recommended that the Site be classified as a Characteristic Situation 2 Gassing regime.

7.4 Ground Gas Risk Mitigation

BS:8485 provides a scoring system to determine the appropriate protection measures for a proposed development in accordance with the identified ground gas regime. Table 3 of BS:8485 summarises typical UK building types, which for this development will comprise Type C (commercial). Table 4 details the points required for the Characteristic Situation, which for CS2 is 2.5. This can be achieved by a combination of the following:

- Ground bearing floor slab – cast insitu with nominal mesh reinforcement (0.5 points); and
- Installation of Proprietary gas resistant membrane which should be validated in accordance with Ciria C735

7.5 Radon

The Site is located within an area where radon protective measures are not required.

7.6 Organic Vapours

Locations which exceed 30ppm during the four rounds of ground gas monitoring and during the Site Investigation are summarised in the tables below.

Results of monitoring well screening with PID

Location	Monitoring Round	PID result (ppm)
BH111	3	63.8
DS102b	4	474.6
DS124a	4	60.0
DS143a	1	198.5
DS143a	2	181.7
DS143a	3	382.4
DS143a	4	260.0
DS144a	1	184.5
DS144a	2	138.1

Results of peak soil VOC concentrations when screened with a PID

Location	Depth (m)	PID result (ppm)
DS143a	3.8	208.0
DS143a	4.5	140.0
DS144a	3.8	104.0
TP/SA113	2.7	47.3
TP114	4.0	72.6

Sources of volatile vapours, comprising of groundwater and NAPL contamination found in Section 6 has been identified. Unless complete removal of these sources is undertaken, any ground gas protection measures installed will also need to consider the inclusion of specialist vapour resistant membranes as part of the ground gas protection measures.

8.0 Revised Conceptual Site Model

A revised CSM is presented in the table below, and has been formulated taking into account all of the available data from the Delta-Simons intrusive investigation, suitable for a Site with a proposed commercial end-use.

Revised Conceptual Site Model				
Source	**Pathways**	**Receptors**	**Confirmed Risk?**	**Mitigation**
Site wide diffuse contamination in the Made Ground – Asbestos fibres and some debris, Hotspots of lead and nickel, naphthalene and benzo(a)pyrene Localised areas of elevated methane and carbon dioxide which have classified the site as a Characteristic Situation 2 gassing regime	Ingestion and/or inhalation of soil/dust.	Future Site users	Yes	The development will predominantly comprise hardstanding thereby preventing exposure to the underlying Made Ground and hence severing the pollutant linkage. In areas of soft landscaping (if present) a pollutant linkage can be established however this can be mitigated by the inclusion of a suitable thickness of chemically compliant capping/ growing media and a geotextile marker membrane. Where marginally elevated PAHs have been identified in the north of the site, these materials should be removed from the embankment and placed beneath areas of capping/ hardstanding.
		Human health – construction workers		Whilst significant quantities of ACMs were not identified during the ground investigation, significant quantities of ACMs have been identified in the Made Ground at several locations through subsequent analysis. Following removal of the existing hardstanding, it is recommended that a hand-picking exercise be undertaken to remove all visibly identifiable fragments of asbestos prior to undertaking the main enabling works package. Groundworkers and sub-surface maintenance workers should be made aware of the possibility of encountering contaminated soils and asbestos through toolbox talks. Safe working procedures should be implemented, good standards of personal hygiene should be observed and appropriate levels of personal protective equipment (PPE) provided and utilised. This recommendation should be captured in Site health and safety documentation and in maintenance plans.
	Aeration and deposition of dust/ asbestos fibres	Adjacent Residential properties	Yes	Construction works should be managed in accordance with Control of Asbestos Regulations 2012 (CAR 2012) with consideration given the reduction in the liberation of dust fibres by the use of dust suppression techniques and also the use of dust monitoring techniques given the proximity of sensitive land uses.

Revised Conceptual Site Model				
Source	**Pathways**	**Receptors**	**Confirmed Risk?**	**Mitigation**
	Direct contact between aggressive ground conditions and new infrastructure.	Building foundations and buried services.	Yes	In the context of the foreseen deep foundation solution and potentially aggressive ground conditions, the Site is considered to require Design Sulphate Class DS-2 and ACEC Class AC-2 when considering the most appropriate type of concrete to be used at the site in order to resist chemical attack from elevated sulphate present in the soils. Where site won materials are reuse on site from the existing bund then buried foundations may need to be designed to resist DS3-AC2s chemically aggressive ground conditions.
	Generation of ground gas and accumulation to potentially explosive/ lethal levels	Human health-future site users and construction workers	No	Gas protection measures commensurate with a CS2 gassing regime should be included within all new proposed buildings at the site.
	Vapour inhalation	Human health-future site users and construction workers	No	A localised vapour inhalation risk based on an indoor setting has been established at DS101 at 4m bgl due to the presence of observed organic contamination. Given the depth of the contaminants, the overlying thickness of existing River Terrace Gravels are considered to sufficiently mitigate the risks posed to future occupants at the site. Construction workers should be aware of the risks posed by the inhalation of vapours and adopt appropriate PPE however given that all activities are likely to be undertaken in an outdoor setting, these concentrations are unlikely to pose an unacceptable risk to human health.
	Inhalation of organic vapours associated with contamination.	Site users, maintenance workers	Yes	A contamination hotspot has been identified within the vicinity of the northern boundary of the Site with a PAH exceedance and moderate hydrocarbon odour recorded during the Site Investigation. A marginal exceedance has been identified on the north western boundary which is considered to correspond to clinker/demolition content. It is recommended that this material is removed due to its high organic content and it placed beneath an area of hardstanding or suitable thickness of capping material to prevent direct exposure to site users to this material.
	Leaching of contamination into groundwater followed by migration of groundwater to	Secondary Undifferentiated / A Aquifer	Yes	Localised areas of organic impact to groundwater have been identified and may pose a risk to identified receptors. It is

Revised Conceptual Site Model				
Source	**Pathways**	**Receptors**	**Confirmed Risk?**	**Mitigation**
	the wider groundwater environment or discharge to surface waters.	Off-Site receptors	Yes	recommended that further delineation works and detailed modelling be undertaken to assess the identified pollutant linkages.
	Direct contact between aggressive ground conditions and new infrastructure.	Water supply pipes	Yes	It is recommended the analytical data associated with the ground investigations is provided to the appropriate Statutory Undertakers and that the appropriate barrier pipe/design is agreed and used for the proposed development.
Former ASTs/USTs/ hydrocarbon impacted hotspots found along the south western boundary and the south eastern area of the Site.	Inhalation of organic vapours associated with contamination.	Human health – construction workers	Yes	Whilst elevated soil TPH concentrations have been identified in the south east of the Site these are considered to be reflective of the smear zone associated with the LNAPL. A second source of hydrocarbon impact has been located in the Site comprising dissolved phase hydrocarbon concentrations (NAPL has not been observed. Whilst the exact source of the contamination has not been identified it is likely to have originated from the former above ground/ below ground storage tanks and/or recorded fuel spill. The presence of NAPL is considered to pose an unacceptable risk to the existing controlled water beneath the site with the extent of the dissolved phase plume currently unconfirmed however this has the potential to migrate off site and potentially beneath residential properties and pose a limited vapour inhalation risk (albeit it unlikely) given the presence of the overlying unsaturated deposits and low volatile nature of the contaminant. Where NAPL extends beneath proposed structures then occupants may be exposed to vapour inhalation and a specialist vapour resistant membrane may need to be incorporated into nearby building units. It is likely that some source removal works will be required to reduce the risks posed to the identified receptors however this can only be established following further delineation works and the completion of a Detailed Quantitative Risk Assessment. It is recommended that construction workers are made aware of the risk by conducting tool box talks and being issued appropriate PPE/RPE. A small source of TPH with associated chemical odour was also identified at BH105 give the localised nature of this contaminant, during construction works it would be pertinent to excavate this material and dispose off site.
	Vertical migration and leaching of contamination into groundwater followed by migration of groundwater to the wider groundwater environment or discharge to surface waters.	Secondary Undifferentiated / A Aquifer	Yes	
		Vapour Inhalation	Yes	
		Off-Site receptors	possible	

Revised Conceptual Site Model				
Source	**Pathways**	**Receptors**	**Confirmed Risk?**	**Mitigation**
Marginally elevated copper, chromium (III) and nickel in the north of the site	Lateral migration within Aquifer	Secondary Undifferentiated / AAquifer	No	Marginally elevated heavy metals have been recorded within the groundwater. Given the absence of any surface water features within close proximity to this area of the Site combined with the historical legacy of the surrounding area, these concentrations are considered to be reflective of background levels and no further assessment or mitigation is considered necessary.

9.0 Conclusions & Recommendations

9.1 Ground and Groundwater Summary

Made Ground deposits were encountered across the entire site comprising gravel and locally clay with inclusions of flint, clinker, ash, brick and concrete to approximately <1.0m bgl although locally to 2.5m bgl in the north and 1.7m bgl in the south. The underlying strata was found to comprise the River Terrace Gravels consisting of a 1.0-1.5m band of firm clay which in turn was underlain by gravels.

The underlying stratum was found to comprise stiff grey clay of the London Clay Formation with thin bands of fine sand between 12m and 14m bgl.

groundwater was typically encountered at depths between 3.5m and 4.0m bgl

9.2 Geotechnical Summary

Made Ground deposits are not considered suitable founding strata however pad foundations taken into the top of the River Terrace cohesive deposits are expected to provide bearing capacities to between 130-140kPa limited to 25mm settlement. Where greater working loads are required then pad taken into the deeper gravel deposits at 2.0-2.5m bgl then bearing capacities between 280-400kPa (dependant on pad dimensions) limited to 25mm settlement are anticipated to be achievable. It should be noted that soils have been noted to be locally variable and pad foundations may require deepening into the competent stratum.

Lightly loaded ground bearing floor slabs (<10kPa) are expected to be suitable following proof rolling however where UDLs up to 37.5kPa are required (based on a 25 by 35m unit) total settlements up to 35mm may occur along with the potential for differential settlement due to the presence of variable thickness of Made Ground. In order to control settlements it is recommended that either ground improvement or excavate and replacement techniques be considered to improve the performance of the underlying soils to limit settlements to an acceptable level.

The construction of soakaways within the granular River Terrace Deposits is considered to be preferable however given the depth to the underlying groundwater there may be insufficient unsaturated ground to permit their construction and careful consideration to specific ground conditions should be given when selecting soakaway locations.

Buried concrete within her Made Ground and River Terrace Deposits should be designed to resist DS2 – AC2 chemically aggressive ground conditions, however where foundations are located within site won materials from the stockpile, concrete should be designed to resist DS3-AC2s. Depending on the selection of foundation, solution it may be possible to further reduce the concrete classification of the soils.

A review of the composition of the stockpile and bund has indicated the former to comprise predominantly waste materials which are not considered suitable for use as engineered fill whilst the bund has been found to comprise a mixture of materials including sand, topsoil and some rubble. Following processing of the bund, it is envisaged that 50-75% of the bund may be recovered, processed and reused as engineered fill.

9.3 Contamination Issues

9.3.1 Human Health

The results of the investigation has not identified any significantly elevated contaminants to be present set in the context of a commercial development with the exception of localised hotspots of lead and nickel in the Made Ground and Site wide asbestos fibres and debris in the soils, stockpiles and bunds. Risks posed by these contaminants will be broadly severed by the nature of the development and in areas of soft landscaping it is recommended that a suitable thickness of capping/ growing media and geotextile marker membrane be placed to denote the presence of Made Ground deposits. The investigation has also identified LNAPL to be present in the south east of the site which may pose a risk to human health via the inhalation of vapours from the groundwater. Construction workers should be informed of the presence of asbestos within the shallow soils and will need to design an appropriate safe system of work to prevent their exposure to asbestos during any cut and fill works. Notably, the works should therefore be undertaken in accordance with the Control of Asbestos

Regulations 2012 (CAR2012). CAR2012 requires the contractor to adopt suitable mitigation measures based on the risks posed to on and off-Site users with mitigation measures potentially comprising the use of dust suppression techniques along with the adoption of appropriate PPE/RPE and depending on the level of risk, the use of boundary air monitoring. The specific procedures must be designed by the suitably experienced Contractor to ensure both the Contractor and the Tenant comply with their legal duties under CAR2012. It is possible that the works may require notification to the HSE under CAR.

The investigation also identified a localised elevated concentration of TPH with associated chemical odour within the shallow Made Ground at BH105 which may pose a risk to future occupants of buildings over this location.

The investigation has also identified localised areas of elevated methane concentrations associated with identified areas of organic contamination and infilled ground, resulting in the gassing regime being classified as a CS2 gassing regime.

9.3.2 Controlled Waters

The ground investigation has also identified an area of LNAPL (15-30mm) and associated dissolved phase hydrocarbon plume in the south of the Site which is considered to impact the underlying Secondary Undifferentiated Aquifer and may pose a risk to third party land over time. A second source of dissolved phase hydrocarbon contamination has been identified in the centre of the Site which may pose similar risks to controlled waters. A localised exceedance of TPH has also been recorded at DS101 in the north of the Site and whilst appearing to be localised, this may require further assessment.

9.4 Recommendations for Supplementary Work

Based on the findings of this report, the following recommendations for supplementary works are made;

- Based on the identified organic contamination within the groundwater it is likely that a degree of remediation will likely be required at the Site to provide betterment however the requirement and scope for the works can only be confirmed following the completion of further delineation works and the production of a Detailed Quantitative Risk Assessment;
- Gas protection measures commensurate with a CS2 gassing regime should be incorporated into the proposed development and subject to the findings of the DQRA and further remedial works, membrane may need to be upgraded to resist the ingress of vapours;
- Localised hydrocarbon impacted soils at BH105 may require excavation and disposal off site, should they be present beneath proposed building footprints;
- Upon completion of the supplementary investigation works, preparation of a Remediation Strategy, to mitigate any unacceptable risks to human health / controlled waters receptors;
- Once a detailed masterplan and foundations/ floor slabs are available, proposed foundation solutions should be reviewed on a building specific basis to confirm the suitability of foundation solutions;
- Limited earthworks will be required to provide a level development platform along with reprofiling activities to provide suitable falls for the proposed car park. It is recommended that following processing of Site won materials that geotechnical classification be undertaken to confirm the nature of the material which should then be incorporated into an earthworks strategy to support the proposed development. It will also be necessary to submit a Materials Management Plan to support the reuse of materials on Site.;
- Where soakaways are adopted, these should be located away from areas of identified organic contamination to inhibit the migration of contamination through the underlying aquifer;
- It is recommended that USTs be decommissioned, removed with the resulting void validated and replaced with granular engineered fill. and
- Buried concrete should be Designed to resists DS-2 and ACEC Class AC-2 where site won materials are reuse on site from the existing bund then buried foundations may need to be designed to resist DS3-AC2s chemically aggressive ground conditions.

Waste classification has not been undertaken as part of the scope of works, should it be proposed to dispose of materials from the Site then specific additional investigations may be needed to classify the materials in accordance with current regulatory requirements.

Figure 1 - Site Location Map

LEGEND

Site Boundary

Scale: 1 / 10,000 @ A4

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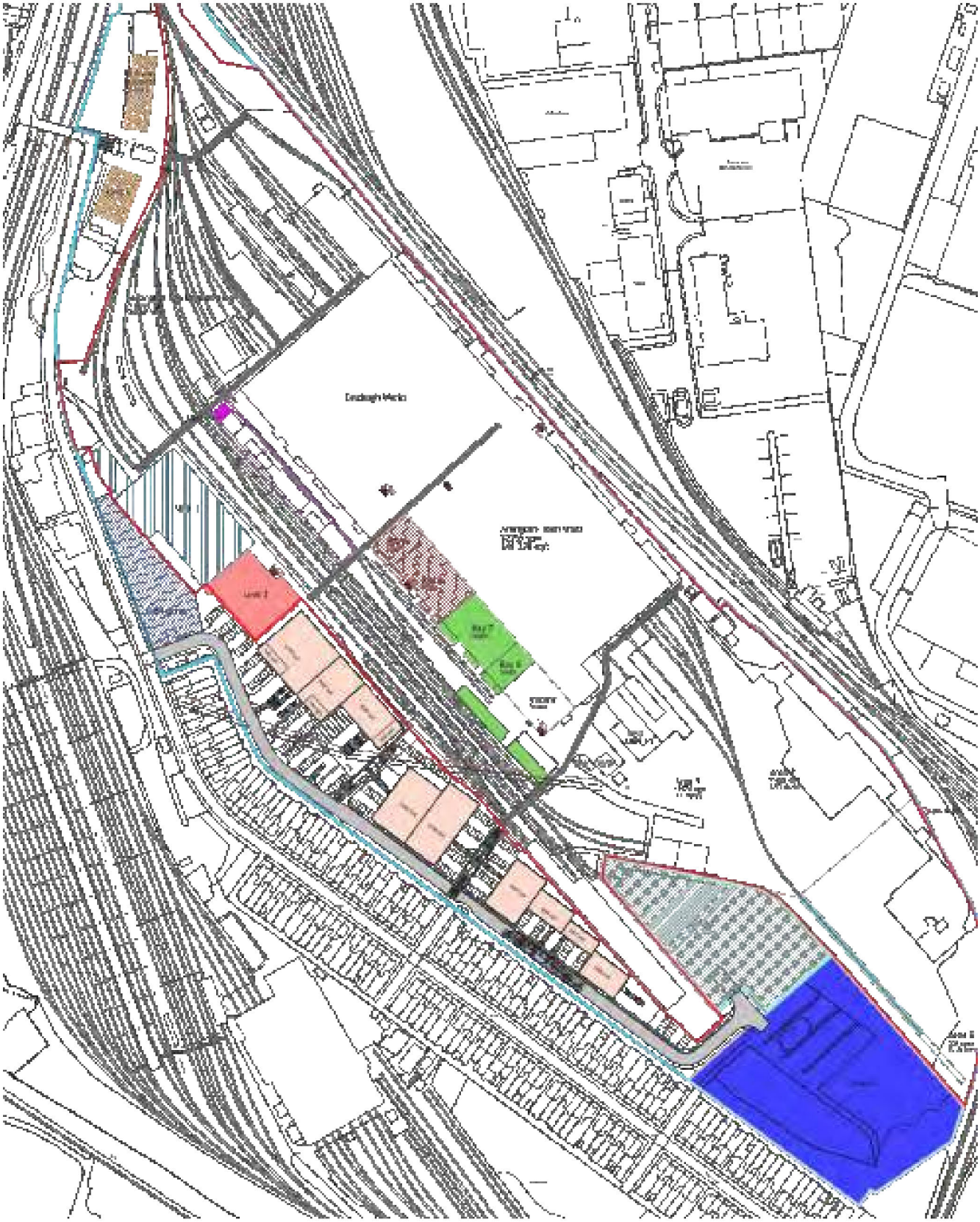
TITLE:	DRAWN BY:	SCALE:	PROJECT NO:
Site Location Map Eastleigh Works Southampton	KD	To Scale@A4	17-1080.05
	CHECKED BY: FH	REVISION: 1	FIGURE NO: 1
	DATE: 13 March 2019		

Figure 2 - Proposed Development Plan



deltasimons Environment - Health & Safety - Sustainability	TITLE: Proposed Development Plan Eastleigh Works Southampton	DRAWN BY: KD	SCALE: Not to Scale	PROJECT NO: 17-1080.05
		CHECKED BY: FH	REVISION: 1	FIGURE NO: 2
		DATE: 13 march 2019		

Figure 3a-b - Exploratory Hole Location Plan

BH101	Proposed Cable Percussion Borehole 2018
DS101	Dynamic Sampler Borehole 2019
HP/DS101	Proposed Hand Pit/ Hand Held Dynamic Sampler 2018
HP104	Proposed Hand Pit/at base of retaining wall 2018
	Geological Cross Section

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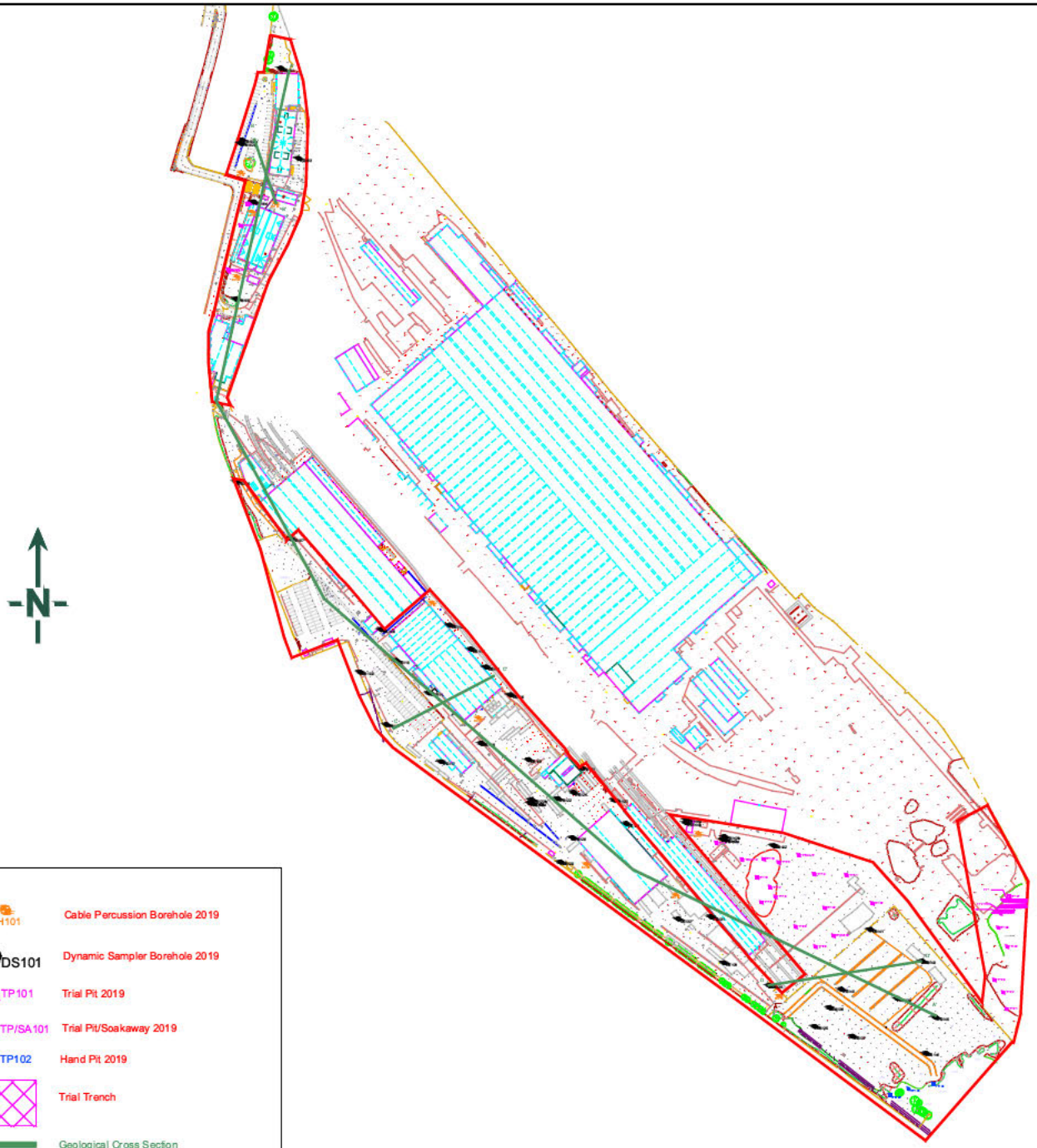
TITLE:
Exploratory Hole Location Plan
Eastleigh Works
Southampton

DRAWN BY: DLJ	SCALE: 1:750	PROJECT NO: 17-1080-05
CHECKED BY: SS	REVISION: 1	FIGURE NO: 3a
DATE: 06/03/2019		



deltasimons
Environment - Health & Safety - Sustainability

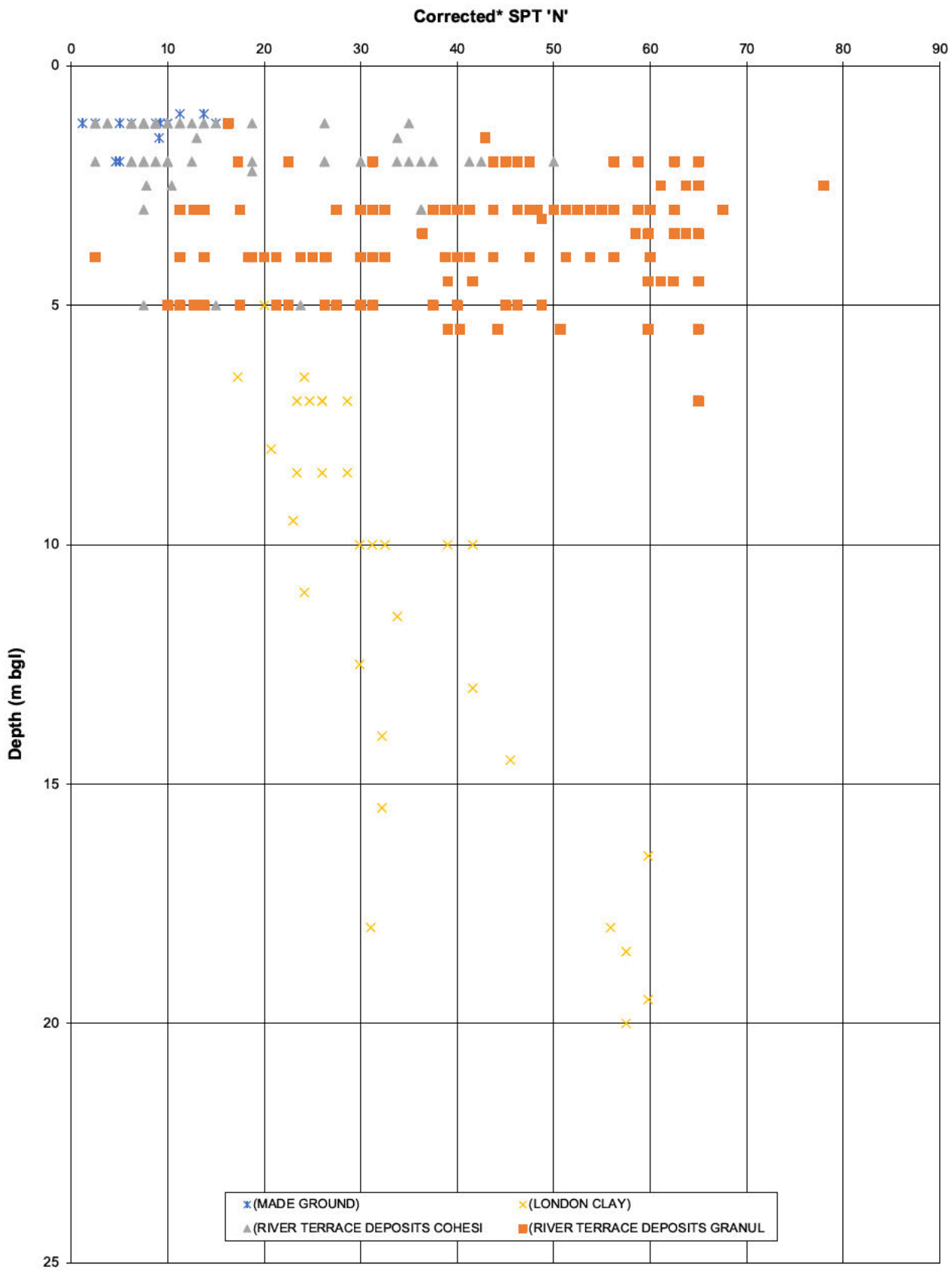
TITLE:
Exploratory Hole Location Plan
Eastleigh Works
Southampton

DRAWN BY: DLJ	SCALE: 1:1250
CHECKED BY: SS	REVISION: 1
DATE: 06/03/2019	

PROJECT NO: 17-1080-05

FIGURE NO: 3b

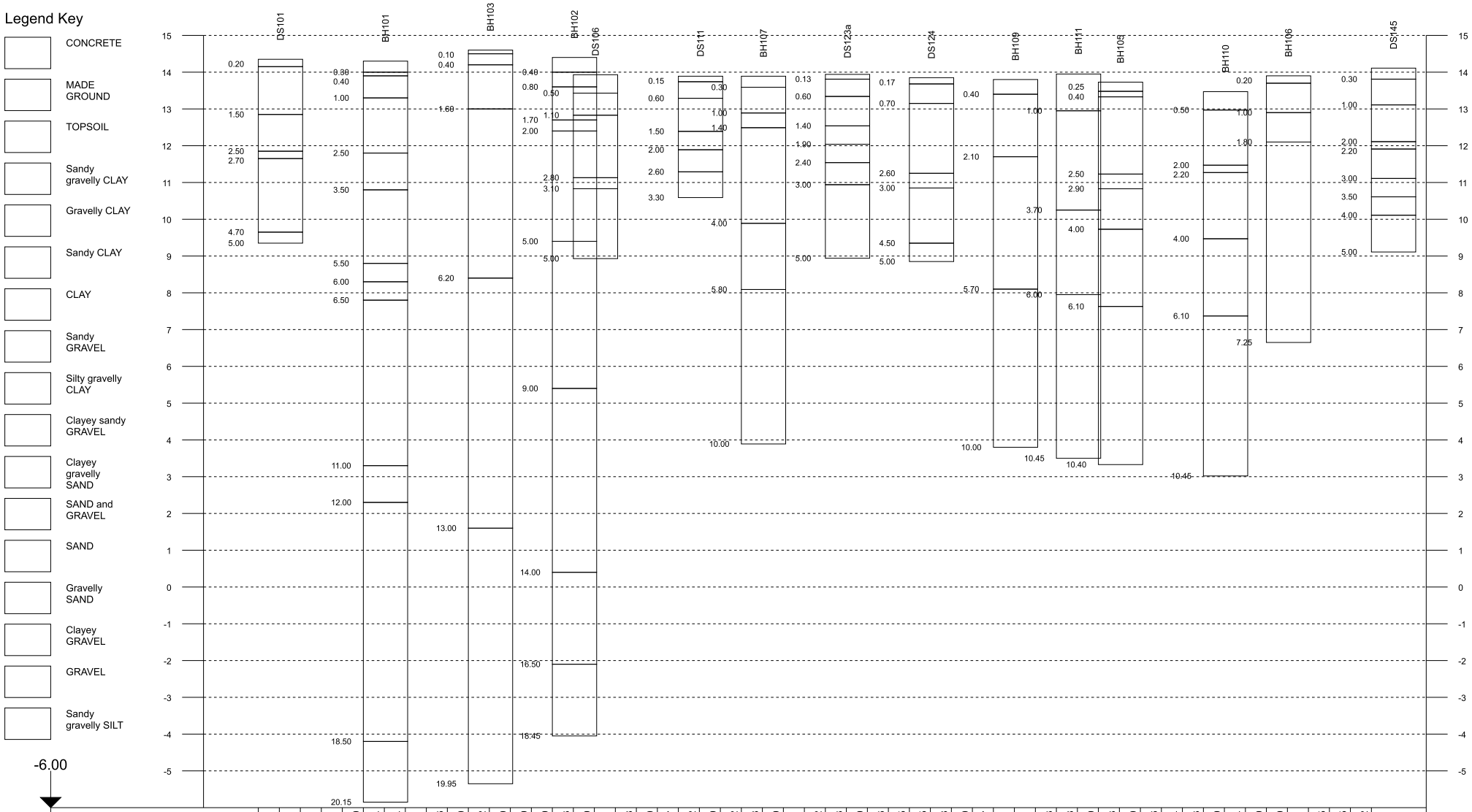
Figure 4 - Corrected SPT Results



* Corrected for Energy Ratio only

deltasimons	TITLE: Corrected* SPT, Depth and Strata Type Eastleigh, Southampton Eastleigh	DWN: MJ	PROJECT NO: 17-1080.05
		DATE: 18/03/2019	FIGURE NO: 4

Figure 5 - Geological Sections (sections A-A’, B-B’, C-C’ and D-D’)

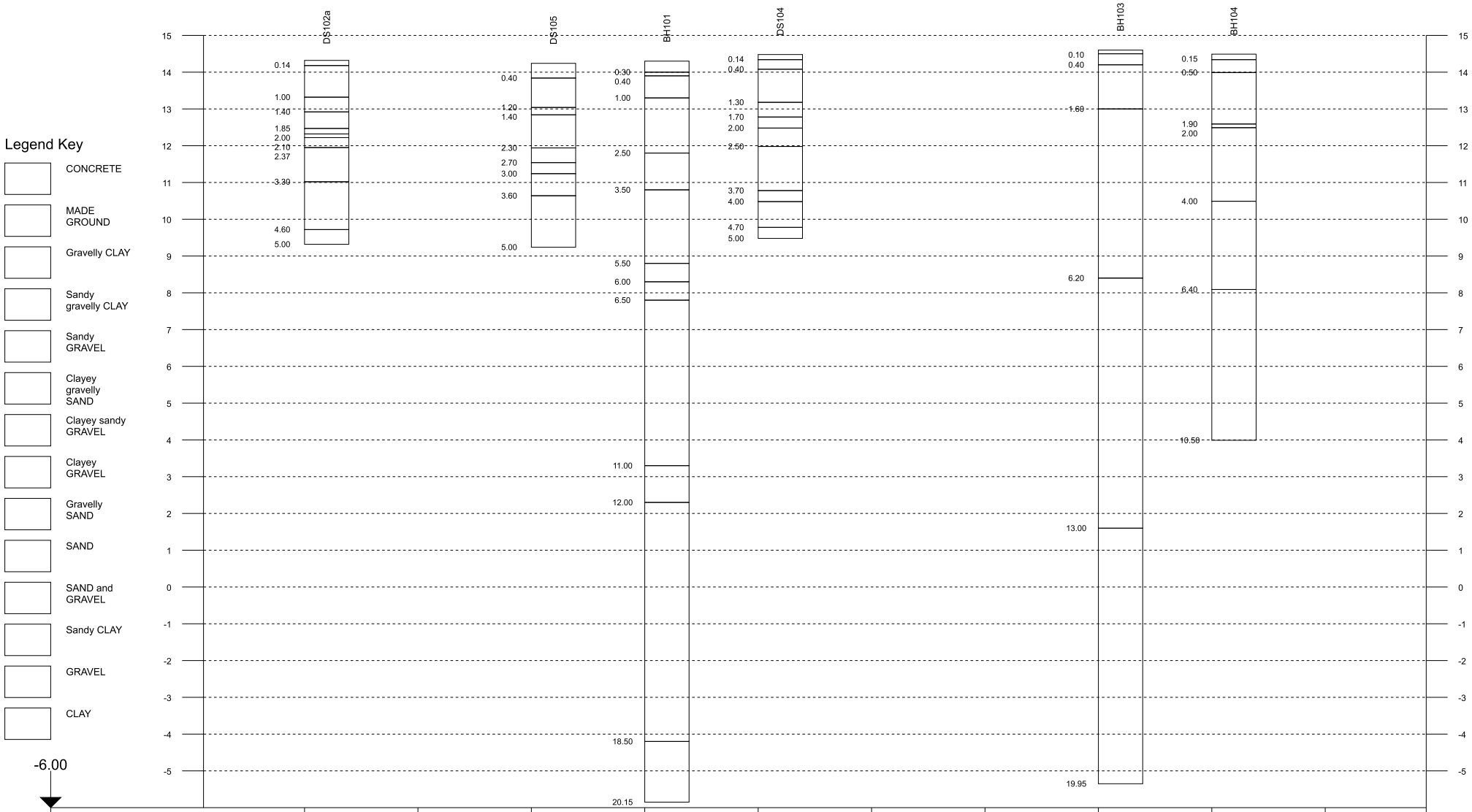


Chainage (m)	Offset (m)	Elevation (mAOD)
30.63	7.95	14.35
83.25	13.63	14.32
83.25	13.63	
87.86	20.99	14.39
91.78	21.59	14.24
108.80	15.65	14.30
123.04	14.46	14.49
125.54	1.47	14.48
128.01	2.84	14.60
128.56	4.77	15.60
133.50	0.22	14.60
145.32	5.15	15.70
177.60	5.23	15.70
178.29	4.00	14.30
179.79	1.64	14.40
323.73	33.47	13.93
378.89	32.20	14.05
470.71	27.73	13.90
492.98	34.44	13.96
500.00	10.50	13.94
517.67	32.53	13.89
528.32	10.46	13.69
547.49	9.27	14.62
562.32	19.03	13.89
565.18	9.43	13.63
576.99	29.64	14.01
602.61	17.78	13.89
631.62	31.94	13.94
631.73	31.73	
637.29	11.52	13.85
642.16	15.86	13.98
645.85	4.35	13.85
689.55	25.85	13.87
669.78	13.10	13.75
687.00	8.27	13.90
689.67	31.95	13.80
714.41	41.46	13.95
714.41	41.46	
735.53	43.90	13.95
740.38	46.26	14.00
748.29	0.08	13.73
762.23	10.02	13.78
776.20	8.36	13.63
807.36	6.41	13.82
840.04	5.80	13.52
849.93	6.28	13.47
875.79	42.23	14.13
880.04	27.57	14.04
880.19	9.88	13.90
883.69	10.76	13.90
928.71	13.17	14.14
965.85	31.09	14.24
976.55	10.49	13.88
989.12	12.22	14.11

TITLE: Section A-A' Eastleigh, Southampton Eastleigh	DRAWN BY: MJ	ENGINEER: FH & CF	VERTICAL SCALE: 1:150
	CHECKED BY: DLJ	REVISION: 1	HORIZONTAL SCALE: Not to scale
	DATE: 18/3/19	CLIENT: Diageo Investment Fund Ltd	

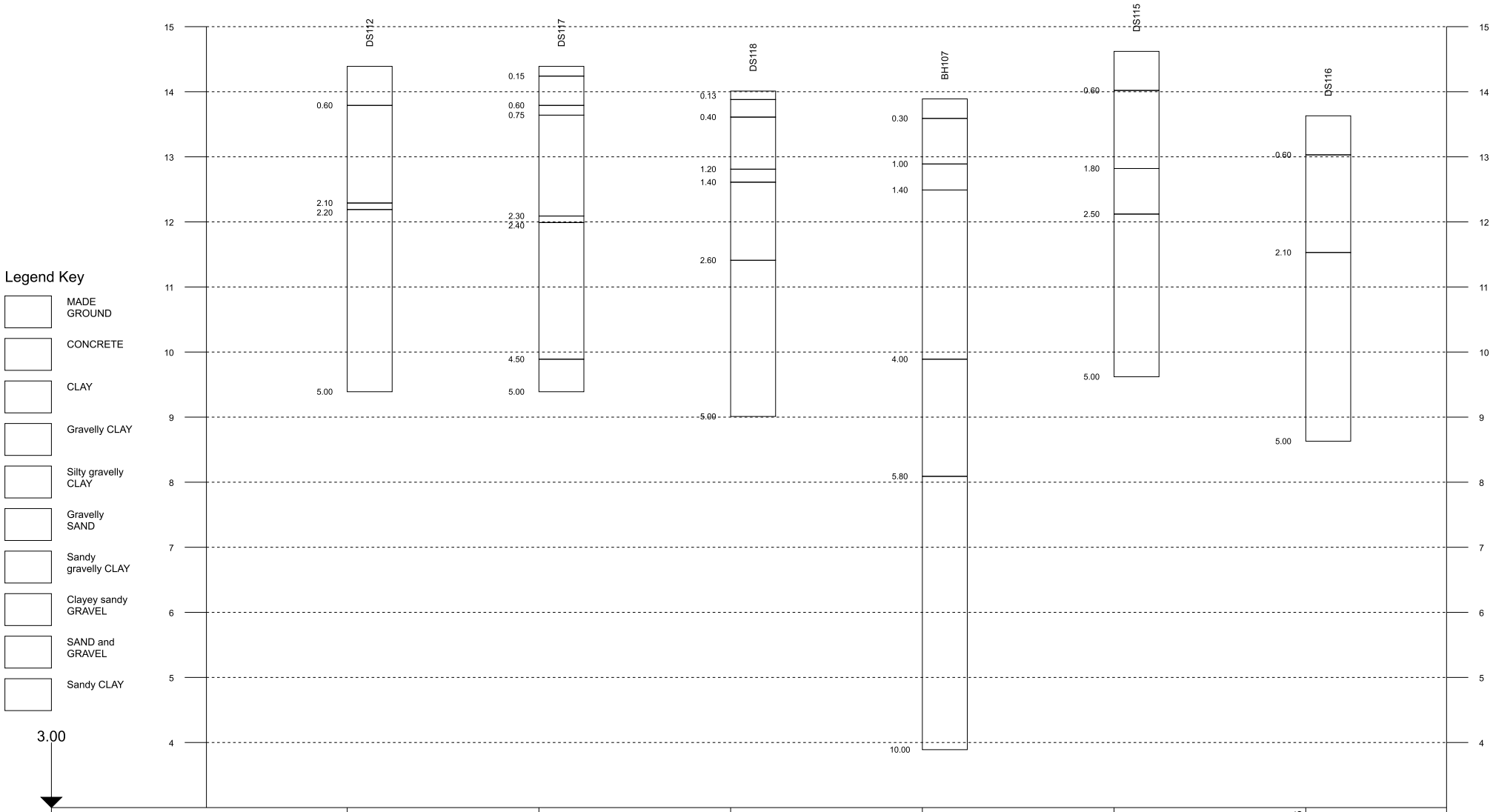
PROJECT NO: 17-1080.05

FIGURE NO: 5



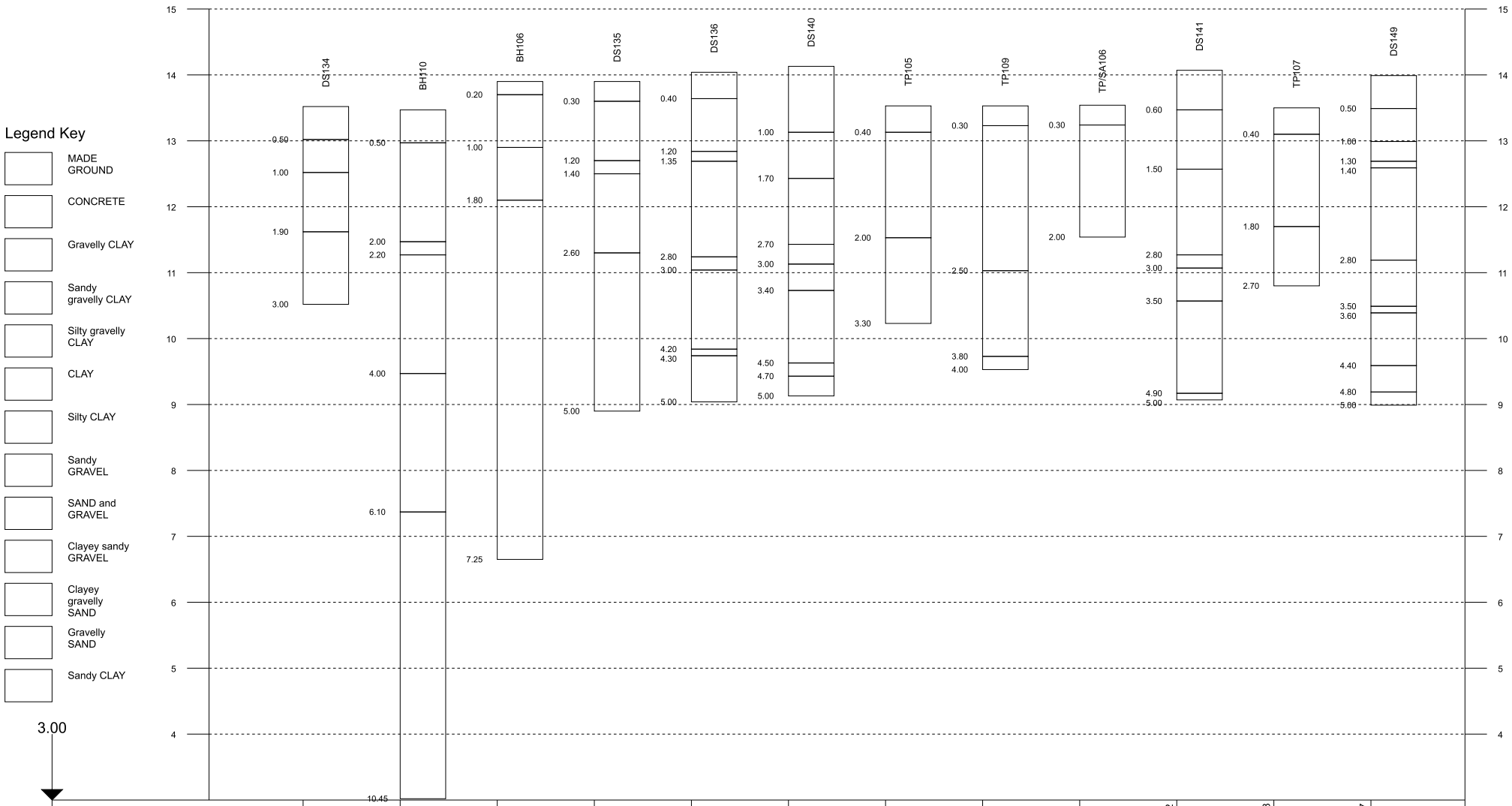
Chainage (m)	29.57	29.57	31.31	48.33	70.25	70.57	71.33	77.26	78.20	83.45	
Offset (m)	15.05	15.05	3.52	2.42	1.73	6.19	4.35	5.71	12.29	16.92	
Elevation (mAOD)	14.32		14.24	14.30	14.48	15.60	14.60	14.60	14.49	15.70	

TITLE: Section B-B' Eastleigh, Southampton Eastleigh	DRAWN BY: MJ	ENGINEER: FH & CF	VERTICAL SCALE: 1:150	PROJECT NO: 17-1080.05
	CHECKED BY: DLJ	REVISION: 1	HORIZONTAL SCALE: Not to scale	FIGURE NO: 5
	DATE: 18/3/19	CLIENT: Diageo Investment Fund Ltd		



Chainage (m)	20.90	41.33	72.16	78.70	102.31	106.95	
Offset (m)	19.66	16.90	18.30	1.41	20.13	3.06	
Elevation (mAOD)	14.39	14.39	14.01	13.89	14.62	13.63	

TITLE: Section C-C' Eastleigh, Southampton Eastleigh	DRAWN BY: MJ	ENGINEER: FH & CF	VERTICAL SCALE: 1:86	PROJECT NO: 17-1080.05
	CHECKED BY: DLJ	REVISION: 1	HORIZONTAL SCALE: Not to scale	FIGURE NO: 5
	DATE: 18/3/19	CLIENT: Diageo Investment Fund Ltd		

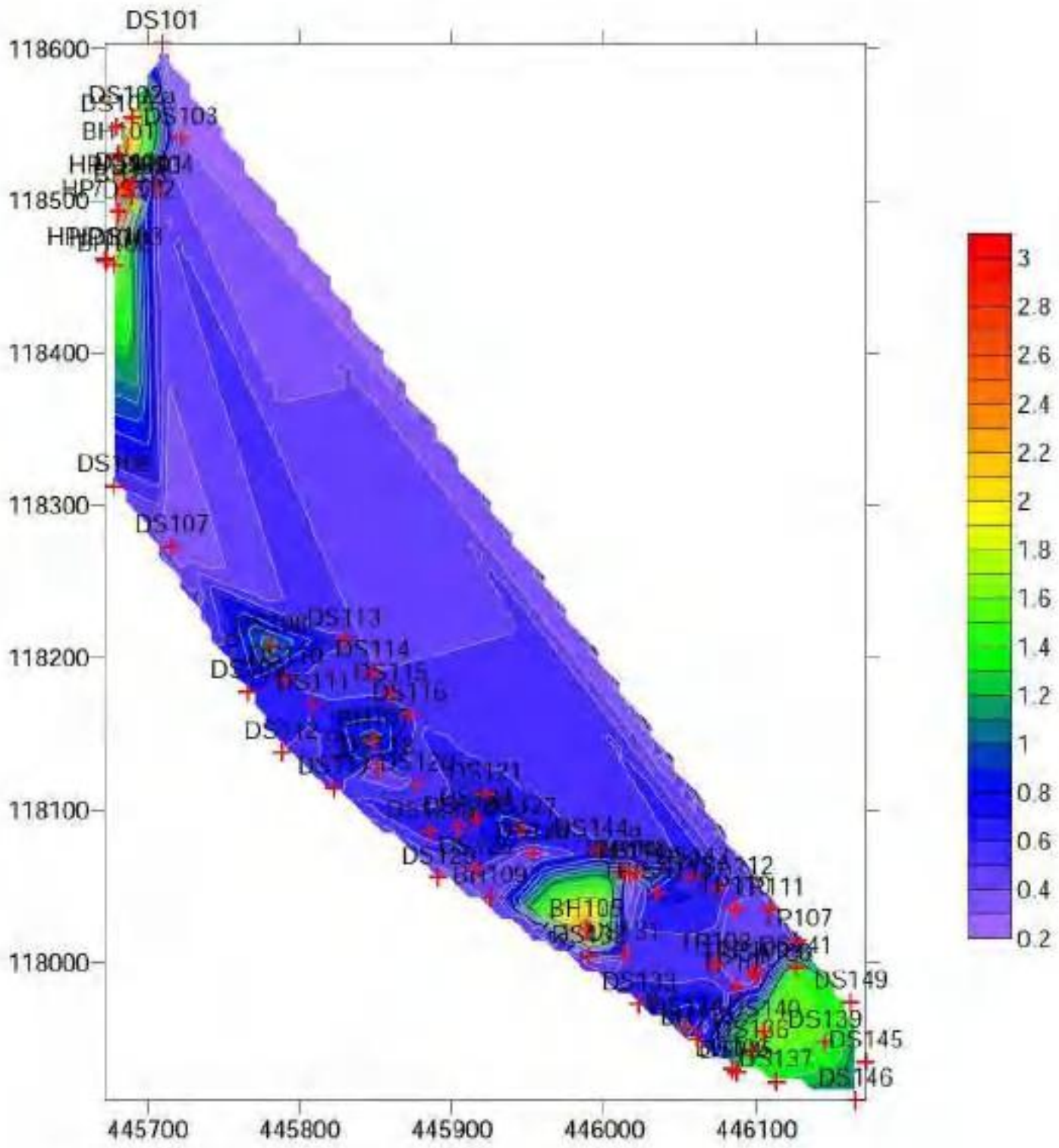


Chainage (m)	30.27	31.63	37.92	39.11	55.52	69.75	73.48	87.68	88.07	111.82	123.48	126.67	
Offset (m)	19.62	9.81	20.01	23.41	18.28	12.73	22.06	22.60	19.80	8.11	21.87	31.95	
Elevation (mAOD)	13.52	13.47	13.90	13.90	14.04	14.13	13.53	13.53	13.54	14.07	13.50	13.99	

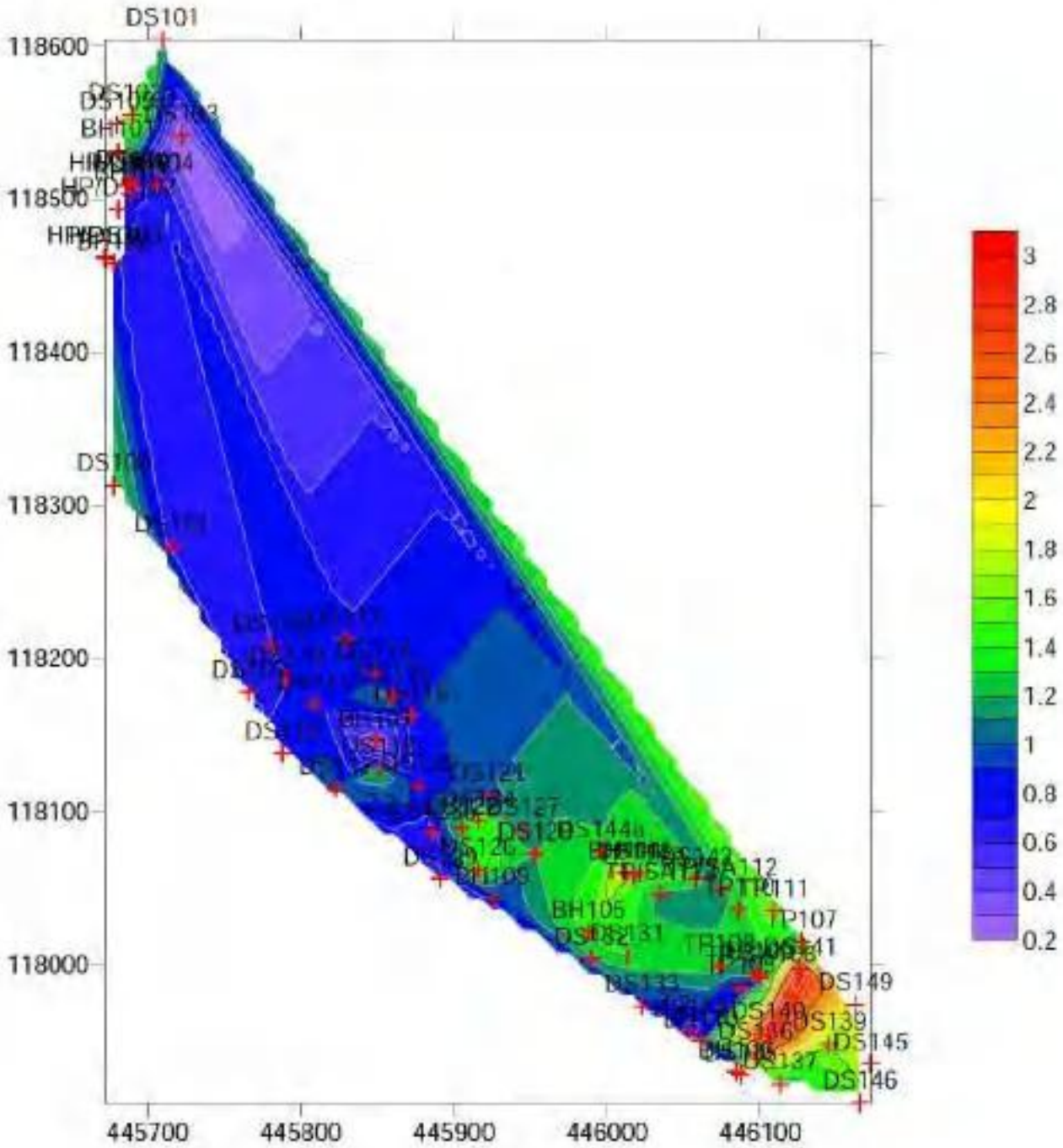
TITLE:
Section D-D'
Eastleigh, Southampton
Eastleigh

DRAWN BY: MJ	ENGINEER: FH & CF	VERTICAL SCALE: 1:86	PROJECT NO: 17-1080.05
CHECKED BY: DLJ	REVISION: 1	HORIZONTAL SCALE: Not to scale	FIGURE NO: 5
DATE: 18/3/19	CLIENT: Diageo Investment Fund Ltd		

Figure 6a-b - Made Ground 2D Plots

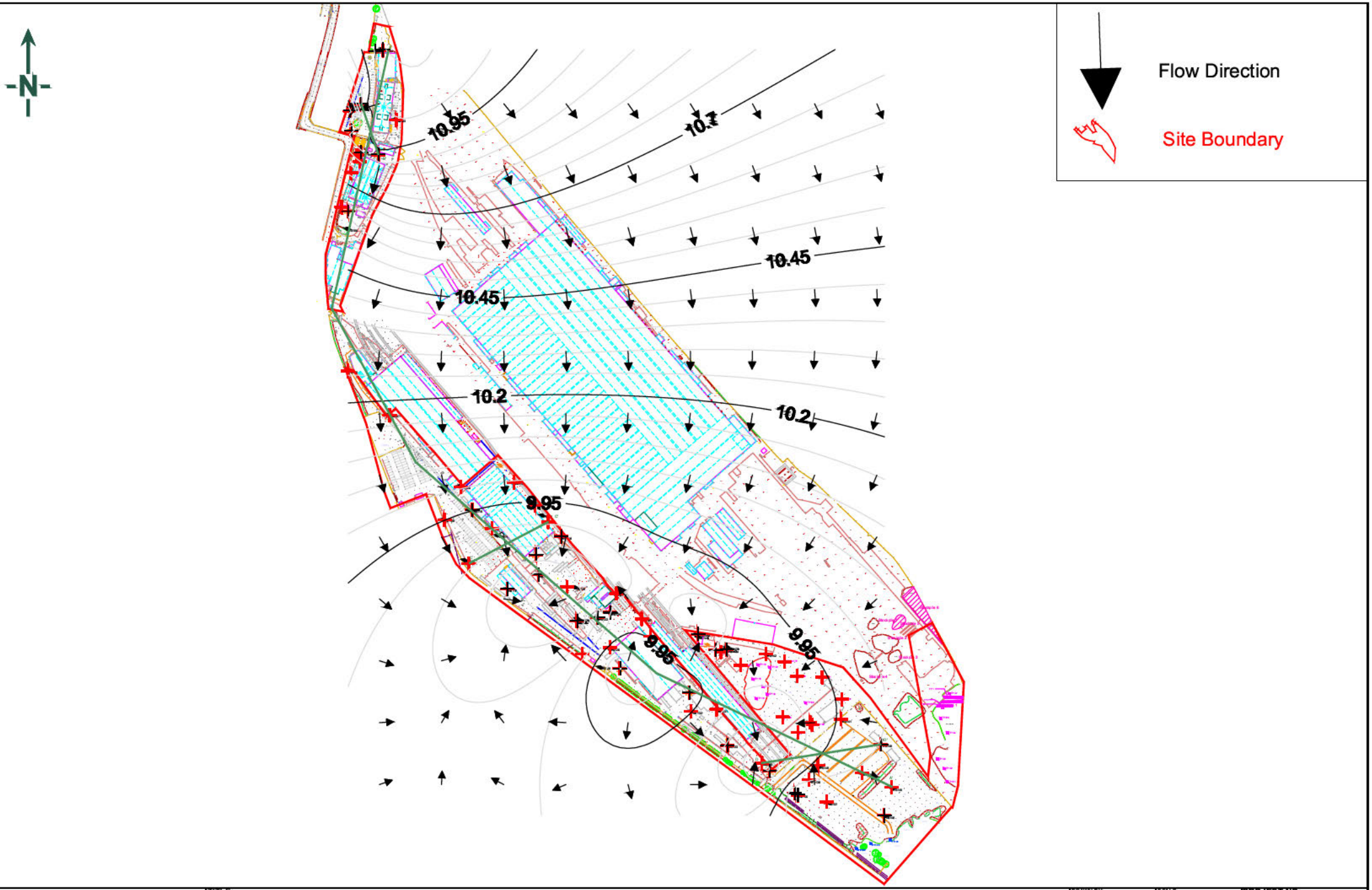


deltasimons Environment - Health & Safety - Sustainability	TITLE: Base of Made Ground Contour Plot Eastleigh Works Southampton	DRAWN BY: MJ CHECKED BY: MJ DATE: 18th March 2019	SCALE: NTS REVISION: -	PROJECT NO: 17-1080.05 FIGURE NO: 6a



deltasimons Environment - Health & Safety - Sustainability	TITLE: Base of River Terrace Cohesive Contour Plot Eastleigh Works Southampton	DRAWN BY: MJ CHECKED BY: MJ DATE: 18th March 2019	SCALE: NTS REVISION: -	PROJECT NO: 17-1080.05 FIGURE NO: 6b

Figure 7 - Interpolated Groundwater Contour Plots (GW1, GW2, G3, G4)



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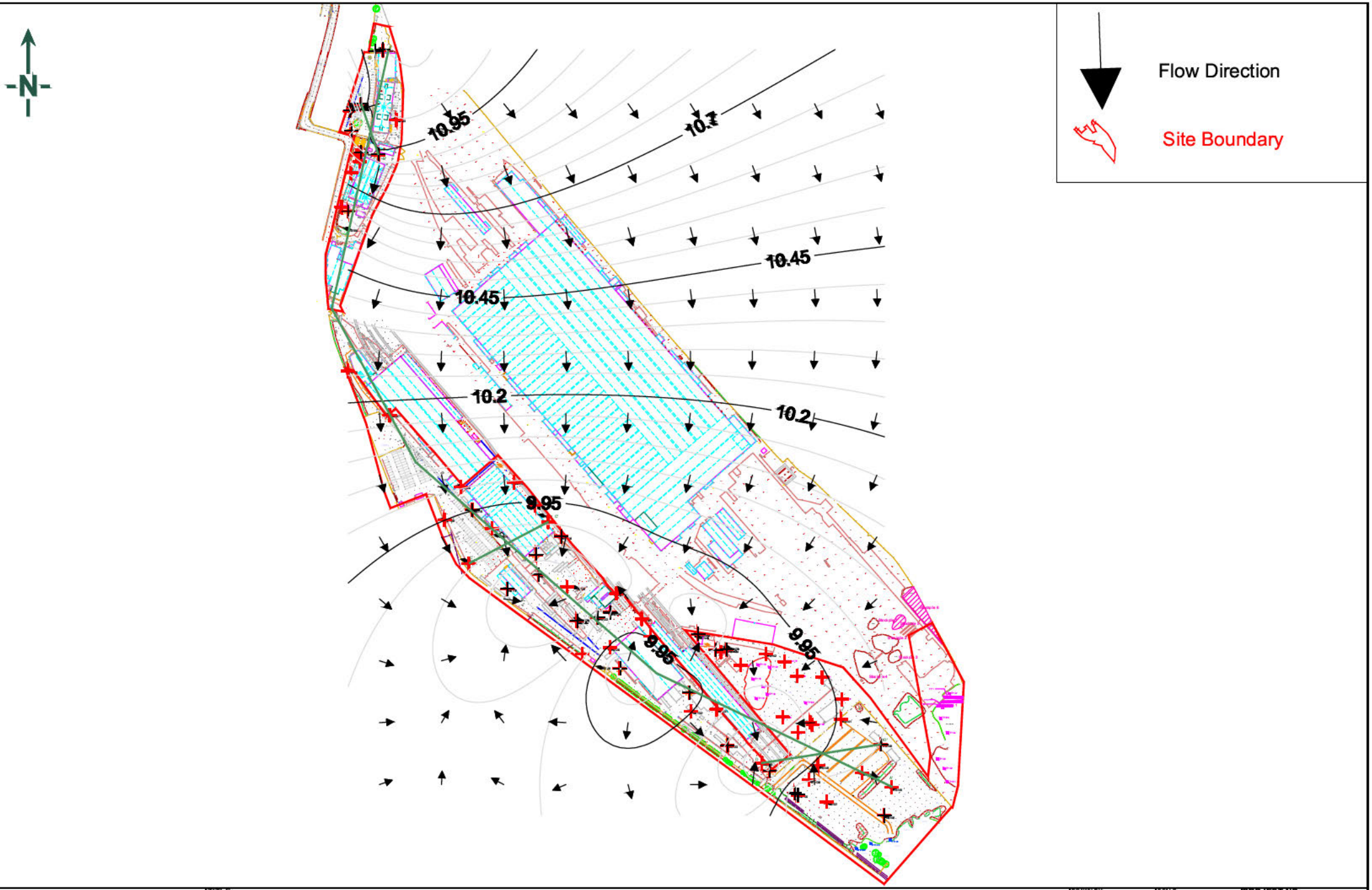
TITLE:
Groundwater Monitoring, Round 1 Contour Plot m AOD, Eastleigh Works, Southampton

DRAWN BY: MJ	SCALE: 1:750	PROJECT NO: 17-1080-05
CHECKED BY: SS	REVISION: 1	FIGURE NO: 7
DATE: 18/03/19		



deltasimons
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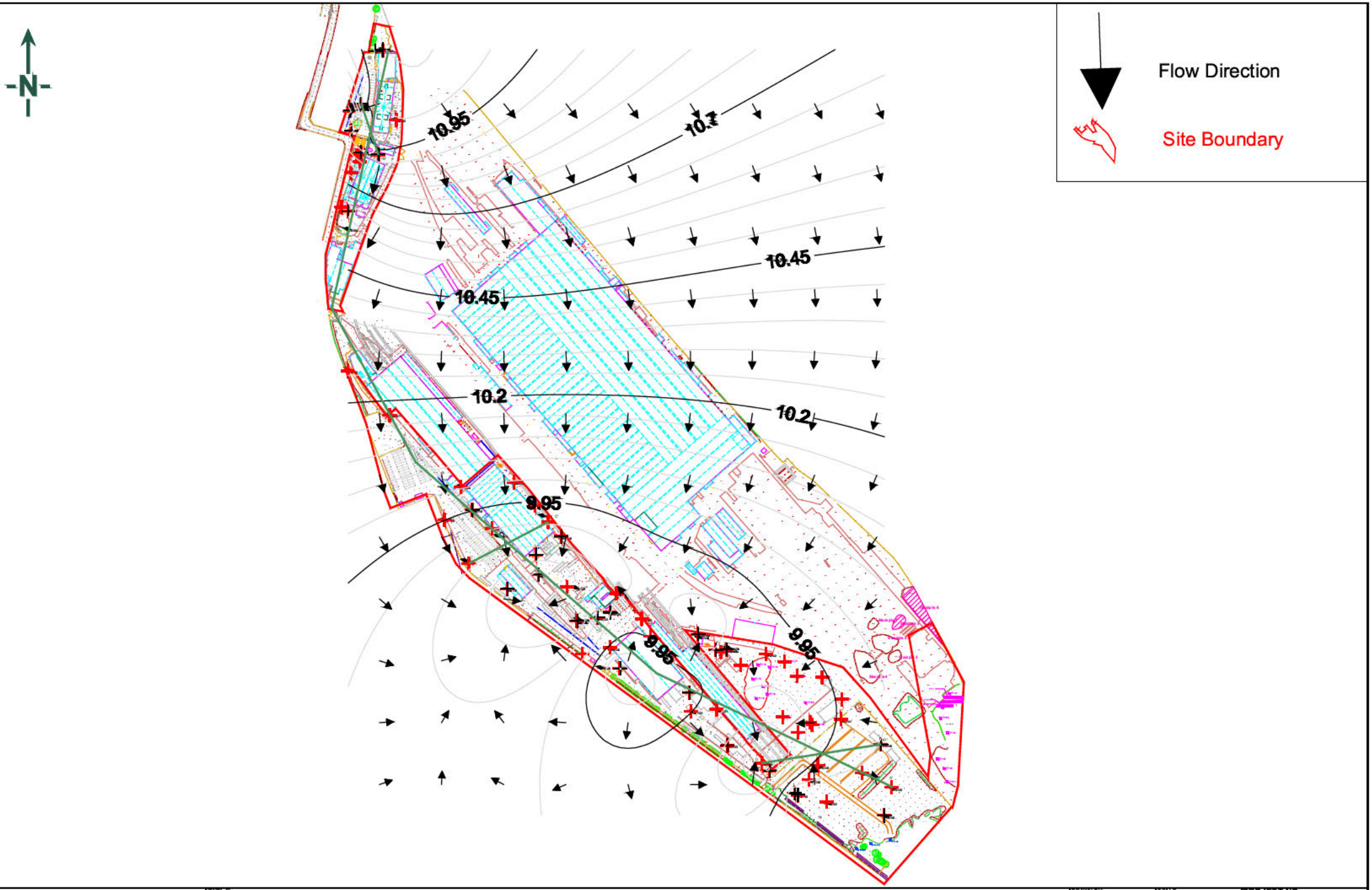
TITLE:
Groundwater Monitoring, Round 2 Contour Plot m AOD, Eastleigh Works, Southampton

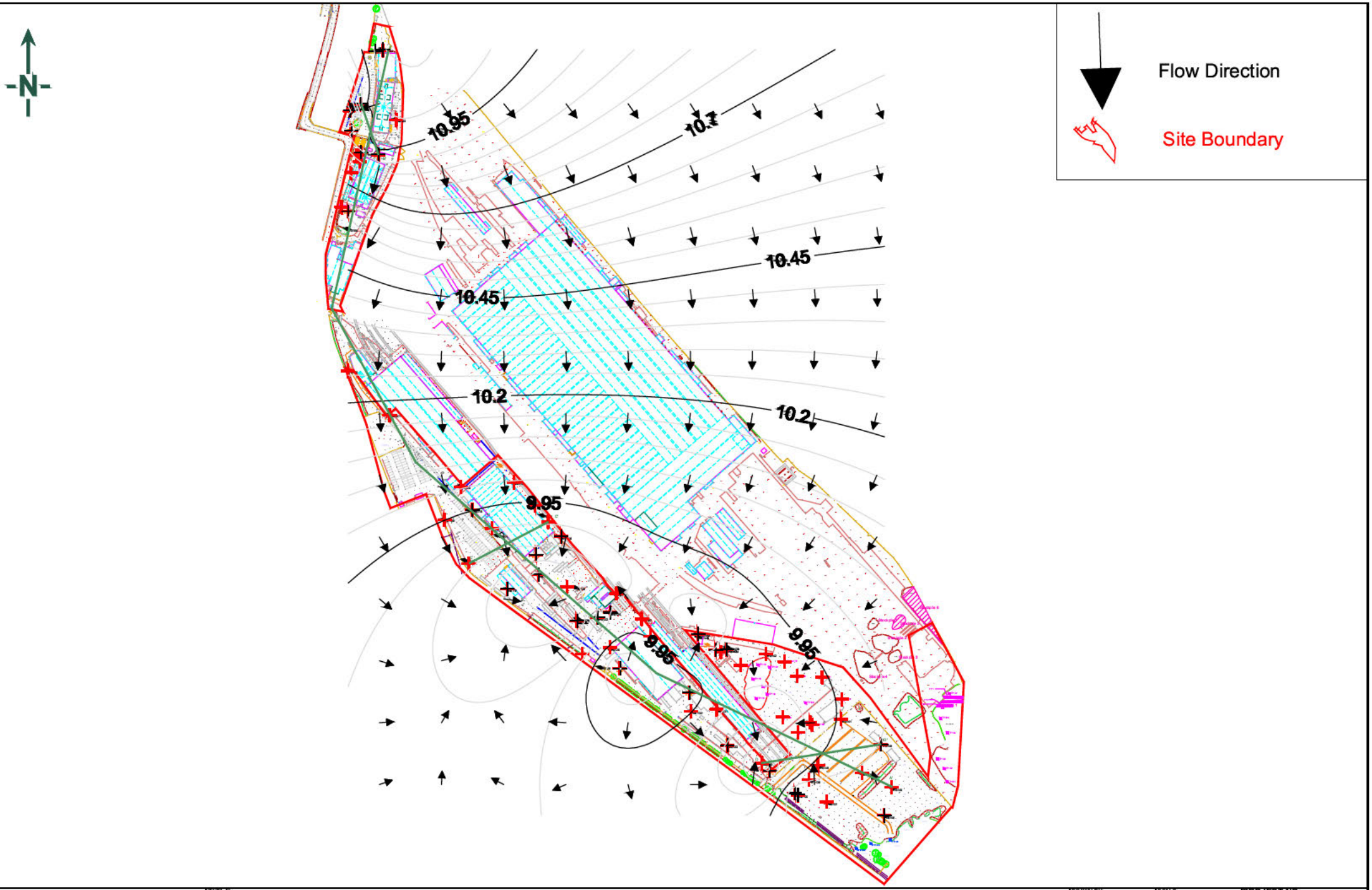
DRAWN BY: MJ	SCALE: 1:750	PROJECT NO: 17-1080-05
CHECKED BY: SS	REVISION: 1	FIGURE NO: 7a
DATE: 18/03/19		



deltasimons
Environment - Health & Safety - Sustainability

TITLE:
Groundwater Monitoring, Round 3 Contour Plot m AOD, Eastleigh Works, Southampton

DRAWN BY: MJ	SCALE: 1:750	PROJECT NO: 17-1080-05
CHECKED BY: SS	REVISION: 1	FIGURE NO: 7b
DATE: 18/03/19		



deltasimons
Environment - Health & Safety - Sustainability

TITLE:
Groundwater Monitoring, Round 4 Contour Plot m AOD, Eastleigh Works, Southampton

DRAWN BY: MJ	SCALE: 1:750	PROJECT NO: 17-1080-05
CHECKED BY: SS	REVISION: 1	FIGURE NO: 7c
DATE: 18/03/19		

Appendix A - Limitations

Limitations

The recommendations contained in this Report represent Delta-Simons professional opinions, based upon the information listed in the Report, exercising the duty of care required of an experienced Environmental Consultant. Delta-Simons does not warrant or guarantee that the Site is free of hazardous or potentially hazardous materials or conditions.

Delta-Simons obtained, reviewed and evaluated information in preparing this Report from the Client and others. Delta-Simons conclusions, opinions and recommendations has been determined using this information. Delta-Simons does not warrant the accuracy of the information provided to it and will not be responsible for any opinions which Delta-Simons has expressed, or conclusions which it has reached in reliance upon information which is subsequently proven to be inaccurate.

This Report was prepared by Delta-Simons for the sole and exclusive use of the Client and for the specific purpose for which Delta-Simons was instructed. Nothing contained in this Report shall be construed to give any rights or benefits to anyone other than the Client and Delta-Simons, and all duties and responsibilities undertaken are for the sole and exclusive benefit of the Client and not for the benefit of any other party. In particular, Delta-Simons does not intend, without its written consent, for this Report to be disseminated to anyone other than the Client or to be used or relied upon by anyone other than the Client. Use of the Report by any other person is unauthorised and such use is at the sole risk of the user. Anyone using or relying upon this Report, other than the Client, agrees by virtue of its use to indemnify and hold harmless Delta-Simons from and against all claims, losses and damages (of whatsoever nature and howsoever or whensoever arising), arising out of or resulting from the performance of the work by the Consultant.

Appendix B - Borehole Logs and SPT Calibrations Certificate

Head Office
3 Henley Way, Doddington Road
Lincoln, LN6 3QR
Tel: +44 (0) 1522 882555
Email: info@deltasimons.com

Project No:	Hole ID:	Page:
17-1080.05	BH101	1 of 4

Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **17/12/2018 - 18/12/2018**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete		0.30	(0.30)	14.00			0.30	D				
MADE GROUND: Red brick		0.40	(0.10)	13.90								
MADE GROUND: Dark brown gravelly SAND. Gravel is angular fine to coarse of brick, chalk, clinker, ash and tarmacadam.		1.00	(0.60)	13.30			0.50 0.50 - 1.00 1.00	ES B ES				
MADE GROUND: Soft light brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is brick, chalk, clinker and tarmacadam.		2.50	(1.50)	11.80			1.10 1.20 - 1.65 1.70 - 2.00 2.00 - 2.45	D D B D		1.20 2.00	SPT(S)N=1 (1 for 75mm/1 for 75mm) SPT(S)N=4 (1 for 75mm/4 for 225mm)	
Medium dense brown clayey sandy angular to rounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.50	(1.00)	10.80		3.30 3.30	2.50 - 3.00 3.00 - 3.45	B D		3.00	SPT(C)N=11 (2,3/3,2,2,4)	
Medium dense brown slightly sandy angular to rounded fine to coarse GRAVEL of flint (RIVER TERRACE DEPOSITS GRANULAR)		5.50	(2.00)	8.80		3.80	3.50 - 4.00 4.00 - 4.45 4.00 - 4.50 5.00 - 5.45	B D B D		4.00 5.00	SPT(C)N=23 (2,3/5,5,6,7) SPT(C)N=11 (1,2/2,3,2,4)	
Brown angular to rounded fine to coarse SAND and GRAVEL.							5.50 - 6.00	B				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 20.15 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 3.30m bgl and sub-artesian water was encountered at 18.80 m bgl rising to 3.80 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		3.30 m 18.80 m	20 min 20 min	3.30 m 3.80 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445681.00 N118531.00	14.30	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Email: info@deltasimons.com

Project No: 17-1080.05	Hole ID: BH101	Page: 2 of 4
Project: Eastleigh, Southampton		
Date: 17/12/2018 - 18/12/2018	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Brown angular to rounded fine to coarse SAND and GRAVEL. (RIVER TERRACE DEPOSITS GRANULAR)		6.00	(0.50)	8.30								
Brown angular to rounded fine to predominantly coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		6.50	(0.50)	7.80								
Stiff grey CLAY with micro selenite crystals. (LONDON CLAY)							6.50 - 6.95	D		6.50	SPT(S)N=15 (2,2/2,4,4,5)	
							6.50 - 7.00	B				
							7.00	D				
							7.50 - 8.00	B				
							8.00	D		8.00		
							8.00 - 8.45	U				
							8.50	D				
			(4.50)				8.50 - 9.00	B				
					200		9.00	D				
							9.50 - 10.00	B		9.50	SPT(S)N=20 (2,3/4,5,5,6)	
							9.50 - 9.95	D				
							10.00	D				
							10.50 - 11.00	B				
		11.00		3.30								
Firm green sandy CLAY. Sand is black. (LONDON CLAY)							11.00	D		11.00		
							11.00 - 11.45	U				
							11.50 - 12.00	B				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 20.15 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 3.30m bgl and sub-artesian water was encountered at 18.80 m bgl rising to 3.80 m bgl after 20 minutes.

Water Stike: Date	Water Stike: Time	Water Stike: Strike	Water Level: Duration	Water Level: Standing	Chiselling: Depth (m)	Chiselling: Time (h:m)
		3.30 m 18.80 m	20 min 20 min	3.30 m 3.80 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445681.00 N118531.00	14.30	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: BH101	Page: 3 of 4
Project: Eastleigh, Southampton		

Cable Percussive Borehole Log

Date: 17/12/2018 - 18/12/2018	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
Firm green sandy CLAY. Sand is black. (LONDON CLAY)		12.00	(1.00)	2.30								
Stiff grey sandy CLAY. (LONDON CLAY)							12.00	D				
							12.50 - 12.95	D		12.50	SPT(S)N=26 (3,4/6,6,6,8)	
							12.50 - 13.00	B				
							13.00	D				
							13.50 - 14.00	B				
							14.00	D		14.00		
							14.00 - 14.45	U				
							14.50	D				
			(6.50)				14.50 - 15.00	B				
							15.00	D				
							15.50 - 15.95	D		15.50	SPT(S)N=28 (3,4/5,7,7,9)	
							15.50 - 16.00	B				
							16.00	D				
							16.50 - 17.00	B				
							17.00	D		17.00		
							17.00 - 17.45	U				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 20.15 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 3.30m bgl and sub-artesian water was encountered at 18.80 m bgl rising to 3.80 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		3.30 m 18.80 m	20 min 20 min	3.30 m 3.80 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445681.00 N118531.00	14.30	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: BH101	Page: 4 of 4
Project: Eastleigh, Southampton		
Date: 17/12/2018 - 18/12/2018	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
Stiff grey sandy CLAY. (LONDON CLAY)							17.50	D				
							17.50 - 18.00	B				
							18.00	D				
		18.50		-4.20								
Soft grey very sandy CLAY. (LONDON CLAY)							18.50 - 18.95	D		18.50	SPT(S)N=50 (4,4/50 for 230mm)	
							18.50 - 19.00	B				
						18.80 ▼						
							19.00	D				
			(1.65)									
							20.00 - 20.15	D		20.00	SPT(S)50 (25 for 125mm/50 for 50mm)	
		20.15		-5.85								
Borehole complete at 20.15 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 20.15 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 3.30m bgl and sub-artesian water was encountered at 18.80 m bgl rising to 3.80 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		3.30 m	20 min	3.30 m		
		18.80 m	20 min	3.80 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445681.00 N118531.00	14.30	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: BH102	Page: 1 of 4
Project: Eastleigh, Southampton		
Date: 19/12/2018 - 20/12/2018	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Very dark brown gravelly SAND. Gravel is angular fine to coarse of brick, ash, weak density chalk and flint		0.40	(0.40)	14.00			0.20	D				
							0.40 - 0.80	B				
REWORKED NATURAL: Structureless CHALK composed of soft white slightly sandy slightly gravelly SILT. Sand is coarse chalk. Gravel is angular fine to coarse very weak low density chalk.		0.80	(0.40)	13.60								
MADE GROUND: Soft brown mottled black sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, clinker, brick and tarmacadam.		1.70	(0.90)	12.70			0.90	D				
							1.20 - 1.65	D		1.20	SPT(C)N=8 (1,1/1,2,3,2)	
							1.20 - 1.70	B				
Soft brown slightly gravelly CLAY. Gravel is angular to rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(0.30)	12.40								
Medium dense and locally dense at 3.0m brown slightly sandy angular to rounded fine to predominantly coarse GRAVEL of flint. Becomes very sandy from 4m. (RIVER TERRACE DEPOSITS GRANULAR)							2.00 - 2.45	D		2.00	SPT(C)N=15 (1,3/3,4,4,4)	
							2.00 - 2.50	B				
							3.00 - 3.45	D		3.00	SPT(C)N=42 (4,6/8,10,12,12)	
							3.00 - 3.50	B				
			(3.00)			4.00 / 4.00	4.00 - 4.45	D		4.00	SPT(C)N=16 (3,4/3,4,5,4)	
							4.00 - 4.50	B				
		5.00		9.40								
Firm grey slightly gravelly sandy CLAY with micro selenite crystals. Gravel is angular fine to medium of flint. (LONDON CLAY)							5.00 - 5.45	D		5.00	SPT(S)N=11 (2,1/2,2,3,4)	
							5.00 - 5.50	B				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 18.45 m bgl due to sufficient sampling and data being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 4.00m bgl.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		4.00 m	20 min	4.00 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445678.00 N118458.00	14.40	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 19/12/2018 - 20/12/2018	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Firm grey slightly gravelly sandy CLAY with micro selenite crystals. Gravel is angular fine to medium of flint. (LONDON CLAY)							6.00	D				
							6.00 - 6.50	B				
							6.50 - 6.95	D		6.50	SPT(S)N=21 (1,2/3,6,6,6)	
							7.00	D				
							7.00 - 7.50	B				
			(4.00)									
							8.00 - 8.45	D		8.00	SPT(S)N=18 (3,3/4,4,4,6)	
							8.00 - 8.50	B				
					200							
		9.00		5.40								
Stiff fissured grey CLAY with micro selenite crystals. Light grey bands (<5mm) of fine sand between 10m to 11m. Lenses (<20mm) of fine black sand below 12m. (LONDON CLAY)							9.00	D				
							9.00 - 9.50	B				
							9.50 - 9.95	U		9.50		
							10.00	D				
							10.00 - 10.50	B				
							11.00 - 11.45	D		11.00	SPT(S)N=21 (2,2/4,5,6,6)	
							11.00 - 11.50	B				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 18.45 m bgl due to sufficient sampling and data being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 4.00m bgl.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		4.00 m	20 min	4.00 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445678.00 N118458.00	14.40	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Cable Percussive Borehole Log

Date: 19/12/2018 - 20/12/2018	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Stiff fissured grey CLAY with micro selenite crystals. Light grey bands (<5mm) of fine sand between 10m to 11m. Lenses (<20mm) of fine black sand below 12m. (LONDON CLAY)			(5.00)				12.00	D				
							13.00 - 13.50	B				
		14.00		0.40								
Stiff with localised lenses of soft sandy grey CLAY with micro selenite crystals. (LONDON CLAY)			(2.50)				14.00 - 14.45	D		14.00	SPT(S)N=28 (4,6/28 for 225mm)	
							14.00 - 14.50	B				
							15.00	D				
							15.00 - 15.50	B				
							15.50 - 15.95	U		15.50		
							16.00	D				
							16.00 - 16.50	B				
		16.50		-2.10								
Stiff fissured grey CLAY with micro selenite crystals. (LONDON CLAY)							17.00	D		17.00		
							17.00 - 17.45	U				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 18.45 m bgl due to sufficient sampling and data being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 4.00m bgl.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		4.00 m	20 min	4.00 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445678.00 N118458.00	14.40	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 19/12/2018 - 20/12/2018	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Stiff fissured grey CLAY with micro selenite crystals. (LONDON CLAY)			(1.95)				17.50	D				
							18.00 - 18.45	D		18.00	SPT(S)N=27 (5,5/6,6,7,8)	
		18.45		-4.05								
Borehole complete at 18.45 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 18.45 m bgl due to sufficient sampling and data being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 4.00m bgl.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		4.00 m	20 min	4.00 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445678.00 N118458.00	14.40	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **07/01/2019 - 08/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete		0.10	(0.10)	14.50								
MADE GROUND: Black very sandy amgular to subangular fine to coarse GRAVEL of clinker and slag with high ash content. Sand is fine to coarse.		0.40	(0.30)	14.20			0.30	D				
MADE GROUND: Soft orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of clinker, ash and coal.		1.60	(1.20)	13.00			0.30 - 0.70	B				
							0.30 - 0.70	ES				
							0.80	D				
							0.80 - 1.20	B				
							0.80 - 1.20	ES				
							1.50 - 1.95	D		1.50	SPT(S)N=7 (1,1/1,2,2,2)	
Very dense becoming dense below 5.50 m bgl yellowish brown sandy angular to rounded fine to coarse GRAVEL of flint. Sand is medium to coarse. Becomes less sandy and gravel particle size decreses with depth. (RIVER TERRACE DEPOSITS GRANULAR)			(4.60)				2.20	B				
										2.50	SPT(C)60 (21,4/60 for 150mm)	
							3.00	B				
						3.20						
										3.50	SPT(C)50 (17,8/50 for 225mm)	
							4.00	B				
										4.50	SPT(C)50 (15,10/50 for 225mm)	
							5.00	B				
						5.70				5.50	SPT(C)N=46 (12,12/12,10,12,12)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 19.95 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID DEL1 (). 9. Groundwater was encountered at 5.70 m bgl and rose to 3.20 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		5.70 m	20 min	3.20 m	2.2 - 3.5	02:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445689.00 N118503.00	14.60	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project No: **17-1080.05**

Hole ID: **BH103**

Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **07/01/2019 - 08/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
Very dense becoming dense below 5.50 m bgl yellowish brown sandy angular to rounded fine to coarse GRAVEL of flint. Sand is medium to coarse. Becomes less sandy and gravel particle size decreses with depth. (RIVER TERRACE DEPOSITS GRANULAR)		6.20		8.40	150		6.00	B				
							6.20	B				
Firm grey slightly sandy CLAY with microselenite crystals. Becomes mottled dark green with lenses (<20mm) of weakly cemented black sand from 12 m to 13 m. (LONDON CLAY)							7.00	B		7.00	SPT(S)N=22 (2,3/5,5,5,7)	
							7.00 - 7.45	D				
							8.00	B				
							8.50 - 8.95	D		8.50	SPT(S)N=22 (4,4/5,5,5,7)	
			(6.80)									
							9.00	B				
							10.00	B		10.00	SPT(S)N=25 (3,5/5,6,7,7)	
							10.00 - 10.45	D				
							11.00	B				
							11.50 - 11.95	D		11.50	SPT(S)N=26 (4,5/5,7,7,7)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 19.95 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID DEL1 (). 9. Groundwater was encountered at 5.70 m bgl and rose to 3.20 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		5.70 m	20 min	3.20 m	2.2 - 3.5	02:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445689.00 N118503.00	**14.60**	**Bowman Drilling**	**Dando 150**	**FH**	**DLJ**	**DLJ**	**1:30**

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Project: Eastleigh, Southampton		
Date: 07/01/2019 - 08/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
Firm grey slightly sandy CLAY with microselenite crystals. Becomes mottled dark green with lenses (<20mm) of weakly cemented black sand from 12 m to 13 m. (LONDON CLAY)							12.00	B				
		13.00		1.60								
Firm grey slightly sandy CLAY with lenses (<20mm) of light grey sand. (LONDON CLAY)							13.00	B		13.00	SPT(S)N=32 (4,5/7,7,9,9)	
							13.00 - 13.50	D				
							14.00	B				
							14.50 - 14.95	D		14.50	SPT(S)N=35 (3,5/7,9,9,10)	
							15.00	B				
			(6.95)									
							16.00	B				
							16.50 - 16.95	D		16.50	SPT(S)N=46 (5,7/9,11,13,13)	
							17.00	B				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 19.95 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID DEL1 (). 9. Groundwater was encountered at 5.70 m bgl and rose to 3.20 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		5.70 m	20 min	3.20 m	2.2 - 3.5	02:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445689.00 N118503.00	14.60	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **07/01/2019 - 08/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Firm grey slightly sandy CLAY with lenses (<20mm) of light grey sand. (LONDON CLAY)							18.00	B		18.00	SPT(S)N=43 (6,7/7,9,13,14)	
							18.00 - 18.50	D				
							19.00	B				
							19.50 - 19.95	D		19.50	SPT(S)N=46 (8,8/9,11,13,13)	
		19.95		-5.35								
Borehole complete at 19.95 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 19.95 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID DEL1 (). 9. Groundwater was encountered at 5.70 m bgl and rose to 3.20 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		5.70 m	20 min	3.20 m	2.2 - 3.5	02:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445689.00 N118503.00	14.60	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		

Cable Percussive Borehole Log

Date: 09/01/2019 - 10/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
MADE GROUND: Concrete.		0.15	(0.15)	14.34								
MADE GROUND: Blackish grey sandy angular to sub angular fine to coarse GRAVEL of brick, flint, clinker and concrete.		0.50	(0.35)	13.99								
Soft orangish brown gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(1.40)	12.59			1.20	B				
							1.50 - 1.95	D		1.50	SPT(S)N=10 (1,1/1,2,2,5)	
							1.90	B				
Soft orangish slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(0.10)	12.49			2.00	B				
Very dense orangish brown slightly sandy clayey angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(2.00)	10.49			3.00	B		2.50	SPT(C)50 (17,8/50 for 150mm)	
										3.50	SPT(C)50 (19,6/50 for 225mm)	
							4.00	B				
Very dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)			(2.40)							4.50	SPT(C)50 (21,4/50 for 150mm)	
							5.00	B				
										5.50	SPT(C)N=50 (12,12/13,13,14,10)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.50 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445706.00 N118509.00	14.49	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		

Cable Percussive Borehole Log

Date: 09/01/2019 - 10/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Very dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)							6.00	B				
		6.40		8.09								
Stiff grey slightly gravelly CLAY. Gravel is subangular to subrounded predominantly fine to coarse of flint. Below 9 m bgl microselenite crystals and brown mottling. (LONDON CLAY)					150		6.40	B				
							7.00 - 7.43	U		7.00		
							7.43 - 7.48	D				
							8.00	B				
			(4.10)				8.50 - 8.95	D		8.50	SPT(S)N=18 (3,3/4,4,4,6)	
							9.00	B				
							10.00	B		10.00		
							10.00 - 10.43	U				
		10.50		3.99			10.43 - 10.48	D				
Borehole complete at 10.50 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.50 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445706.00 N118509.00	14.49	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 10/01/2019 - 14/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.25	(0.25)	13.76								
MADE GROUND: Black slightly sandy slightly gravelly CLAY. Sand is fine to coarse Gravel is angular to rounded fine to coarse of flint, concrete and coal. Moderate chemical odour.		0.40	(0.15)	13.61			0.30	ES		0.30	PID=0.6ppmv	
MADE GROUND: Firm dark brown slightly gravelly CLAY. Gravel is angular to rounded fine to coarse of flint with rare coarse subrounded low density chalk below 2m. Moderate hydrocarbon odour.			(2.10)				0.60	ES		0.60	PID=0.0ppmv	
							1.20 - 1.50	B				
							1.50 - 1.80	U		1.50		
							1.88 - 1.93	D				
Moderate hydrocarbon odour.							2.00	B				
							2.00	ES				
Soft brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	(0.40)	11.51			2.50 - 2.95	D		2.50	SPT(S)N=8 (2,2/2,2,2,2)	
Medium dense light brown slightly sandy angular to subrounded fine to predominantly coarse GRAVEL of flint. Sand is medium to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.90	(1.10)	11.11			2.90	B				
							3.00	B				
										3.50	SPT(C)N=28 (2,2/4,4,7,13)	
Dense light brown SAND AND GRAVEL. Sand is medium to coarse. Gravel is angular to subrounded fine to medium of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(2.10)	10.01			4.00	B				
										4.50	SPT(C)N=47 (3,5/9,12,12,14)	
							5.00	B				
										5.50	SPT(C)N=39 (6,7/9,9,9,12)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.40 m bgl due to required depth being achieved. 7. Borehole dual installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445776.00 N118195.00	14.01	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Date: 10/01/2019 - 14/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Dense light brown SAND AND GRAVEL. Sand is medium to coarse. Gravel is angular to subrounded fine to medium of flint. (RIVER TERRACE DEPOSITS GRANULAR)		6.10		7.91			6.10	B				
Firm thinly laminated greenish grey slightly sandy slightly gravelly clayey SILT with rare subrounded fine to coarse flint gravel. Laminations are horizontally orientated fine light grey sand. (LONDON CLAY)							7.00	B		7.00		
							7.00 - 7.25	U				
							8.00	B				
			(4.30)									
							8.50 - 8.95	D		8.50	SPT(S)N=20 (2,2/3,5,5,7)	
							9.00	B				
							10.00	B		10.00		
							10.00 - 10.32	U				
		10.40		3.61			10.32 - 10.40	D				
Borehole complete at 10.40 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.40 m bgl due to required depth being achieved. 7. Borehole dual installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445776.00 N118195.00	14.01	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Cable Percussive Borehole Log

Date: 15/01/2019 - 16/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.70								
MADE GROUND: Black gravelly SAND with lenses of soft brown clay. Gravel is angular to rounded fine to coarse of clinker, brick, concrete, tarmacadam and coal.		1.00	(0.80)	12.90			0.30 0.50 1.00 1.00	ES B B D				
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	(0.80)	12.10			1.80	B		1.50	SPT(C)N=26 (2,2/3,5,7,11)	
Dense orangish brown very sandy angular to rounded fine to coarse GRAVEL of flint. Gravel bcomes predominantly coarse below 6 m. (RIVER TERRACE DEPOSITS GRANULAR)			(5.45)				2.00 3.00 4.00 5.00	B B B B		2.50 3.50 4.50 5.50	SPT(C)N=47 (3,7/9,11,13,14) SPT(C)N=50 (3,9/10,13,13,14) SPT(C)N=48 (7,9/9,11,13,15) SPT(C)N=31 (3,3/4,7,11,9)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 7.25 m bgl due to possible flint cobble. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
					7.2	01:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446084.00 N117930.00	13.90	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 15/01/2019 - 16/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Dense orangish brown very sandy angular to rounded fine to coarse GRAVEL of flint. Gravel bcomes predominantly coarse below 6 m. (RIVER TERRACE DEPOSITS GRANULAR)							6.00	B				
							7.00	B		7.00	SPT(C)50 (12,12/50 for 150mm)	
		7.25		6.65	150							
Borehole complete at 7.25 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 7.25 m bgl due to possible flint cobble. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
					7.2	01:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446084.00 N117930.00	13.90	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete		0.30	(0.30)	13.59								
MADE GROUND: Blackish brown very gravelly SAND. Gravel is angular to sub angular fine to coarse brick, flint, tarmacadam and clinker.		1.00	(0.70)	12.89								
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.40)	12.49								
Dense orangish brown slightly clayey sandy GRAVEL. Gravel is angular to sub rounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(2.60)	9.89						1.50 2.50 3.50	SPT(C)N=33 (2,3/7,7,8,11) SPT(C)50 (2,7/50 for 225mm) SPT(C)N=46 (3,5/7,9,13,17)	
Dense orangish brown very gravelly SAND. Gravel is sub angular to rounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)			(1.80)							4.50 5.50	SPT(C)N=32 (3,5/5,7,7,13) SPT(C)N=30 (2,5/5,6,7,12)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.00 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445849.00 N118146.00	13.89	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Dense orangish brown very gravelly SAND. Gravel is sub angular to rounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.80		8.09	150							
Firm grey thinly laminated slightly sandy CLAY. Sand is fine to coarse. (LONDON CLAY)			(4.20)							7.00	SPT(S)N=20 (2,2/3,5,5,7)	
		10.00		3.89						10.00	SPT(S)N=32 (3,5/5,7,9,11)	
Borehole complete at 10.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.00 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445849.00 N118146.00	13.89	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Date: 14/01/2019 - 15/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.40	(0.40)	13.40								
Firm orangish brown slightly gravelly CLAY with occasional lenses of fine to coarse sand. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(1.70)	11.70								
Dense orangish brown very sandy angular fine to coarse predominantly medium GRAVEL of flint with occasional lenses of soft orangish brown clay. Gravel becomes predominantly coarse below 4 m bgl. (RIVER TERRACE DEPOSITS GRANULAR)		5.70	(3.60)	8.10						2.50 3.50 4.50 5.50	SPT(C)N=49 (3,5/9,11,12,17) SPT(C)N=45 (3,7/9,9,13,14) SPT(C)N=32 (3,5/5,7,7,13) SPT(C)N=30 (2,5/5,6,7,12)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.45 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445925.00 N118043.00	13.80	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Firm thinly laminated with fine light grey sand sandy CLAY. Lenses (<20mm) of fine light grey sand below 7 m bgl. (LONDON CLAY)					150							
										7.00	SPT(S)N=20 (2,2/3,5,5,7)	
			(4.30)									
		10.00		3.80								
Borehole complete at 10.00 m bgl.										10.00	SPT(S)N=30 (2,5/6,6,7,11)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.45 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445925.00 N118043.00	13.80	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Date: 11/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Loose grey angular flint gravel overlying dark brown slightly sandy clayey angular to subangular fine to coarse GRAVEL of flint, brick, clinker and glass.		0.50	(0.50)	12.97								
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse predominantly medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(1.50)	11.47								
Soft orangish brown slightly gravelly sandy CLAY. Gravel is angular to subangular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.20	(0.20)	11.27								
Dense orangish brown SAND AND GRAVEL. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(1.80)	9.47						2.50 3.50	SPT(C)N=50 (2,4/12,12,13,13) SPT(C)N=49 (8,9/10,11,14,14)	
Dense orangish brown very gravelly SAND. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)			(2.10)							4.50 5.50	SPT(C)N=46 (5,9/9,11,13,13) SPT(C)N=50 (7,9/9,13,14,14)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole completed at 10.45 m bgl due required depth being achieved. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID CP5TH (Er=78.13%). 8. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446061.00 N117950.00	13.47	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **11/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Dense orangish brown very gravelly SAND. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		6.10		7.37								
Firm becoming stiff below 8 m grey CLAY with microselenite crystals below 9 m. Becomes slightly gravelly below 9 m. Gravel is angular to subangular fine to coarse of flint. (LONDON CLAY)			(4.35)		150					7.00 10.00	SPT(S)N=18 (3,4/4,4,5,5) SPT(S)N=23 (4,4/4,5,7,7)	
		10.45		3.02								
Borehole complete at 10.45 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole completed at 10.45 m bgl due required depth being achieved. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID CP5TH (Er=78.13%). 8. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446061.00 N117950.00	13.47	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: BH111	Page: 1 of 2
Project: Eastleigh, Southampton		

Cable Percussive Borehole Log

Date: 16/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown clayey gravelly fine to coarse SAND with fragments of ceramic tile. Gravel is angular to subrounded fine to coarse of flint, brick, concrete, glass, clinker and coal.		1.00	(1.00)	12.95								
Firm orangy brown sandy gravelly CLAY. Gravel is angular to subrounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.70	(2.70)	10.25						2.50	SPT(S)N=6 (1 for 75mm/1,1,2,2)	
Dense light brown very sandy angular to subrounded fine to coarse predominatly medium GRAVEL of flint. Moderate hydrocarbon odour below 3.7 m. (RIVER TERRACE DEPOSITS GRANULAR)			(2.30)							3.70	PID=18.7ppmv	
										4.00	PID=20.0ppmv	
										4.50	SPT(C)N=30 (3,5/5,7,7,11)	
										5.00	PID=9.2ppmv	
										5.50	SPT(C)N=34 (3,5/5,7,11,11)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole completed at 10.45 m bgl due required depth being achieved. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID CP5TH (Er=78.13%). 8. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446012.00 N118060.00	13.95	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		

Cable Percussive Borehole Log

Date: 16/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Dense light brown very sandy angular to subrounded fine to coarse predominatly medium GRAVEL of flint. Moderate hydrocarbon odour below 3.7 m. (RIVER TERRACE DEPOSITS GRANULAR)		6.00		7.95								
Firm thinly laminated greenish grey slightly sandy slightly gravelly clayey SILT with rare subrounded fine to coarse flint gravel. Laminations are horizontally orientated fine light grey sand. (LONDON CLAY)			(4.45)							7.00	SPT(S)N=19 (3,3/4,5,5,5)	
										10.00	SPT(S)N=24 (3,5/5,5,7,7)	
		10.45		3.50								
Borehole complete at 10.45 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole completed at 10.45 m bgl due required depth being achieved. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID CP5TH (Er=78.13%). 8. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446012.00 N118060.00	13.95	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **07/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
TOPSOIL: Grass covered dark brown slightly sandy CLAY with frequent rootlets. Sand is fine to coarse.		0.20	(0.20)	14.15								
Firm orangish brown slightly gravelly slightly sandy CLAY. Gravel is sub angular to sub rounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.50	(1.30)	12.85						1.20	SPT(S) N=10 (1,2/2,2,3,3)	
Firm orangish brown slightly sandy very gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	(1.00)	11.85						2.00	SPT(S) N=21 (7,6/5,6,4,6)	
Orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.70	(0.20)	11.65								
Loose becoming dense below 4.0 m greyish brown sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.70	(2.00)	9.65		3.50 ▼				3.00 4.00	SPT(S) N=9 (3,4/2,3,2,2) SPT(S) N=35 (6,5/8,10,11,6)	
Medium dense greyish brown slightly clayey sub angular to sub rounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(0.30)	9.35						5.00	SPT(S) N=22 (4,4/4,5,6,7)	
moderate hydrocarbon odour and sheen Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike: Date	Water Strike: Time	Water Strike: Depth Strike	Water Level: Duration	Water Level: Depth Water	Borehole Diameter: Depth Base	Borehole Diameter: Diameter
		3.50 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445710.00 N118604.00	14.35	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **07/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.14	(0.14)	14.18								
MADE GROUND: Blackish brown gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint, brick, slate, clinker and concrete. Two whole bricks encountered.		1.00	(0.86)	13.32								
MADE GROUND: Firm orangish brown mottled grey slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub angular fine to coarse brick and flint.		1.40	(0.40)	12.92						1.20	SPT(S) N=12 (1,2/4,3,2,3)	
MADE GROUND: Blackish brown sandy angular to sub angular fine to medium GRAVEL of flint, clinker, brick, wood and concrete.		1.85	(0.45)	12.47								
MADE GROUND: Structureless CHALK composed of soft white slightly sandy slightly gravelly SILT. Sand is coarse chalk. Gravel is angular fine to coarse very weak low density chalk.		2.00	(0.15)	12.32						2.00	SPT(S) N=4 (1,0/1,2,1,0)	
		2.10	(0.10)	12.22								
MADE GROUND: Blackish brown sandy GRAVEL. Gravel is angular to sub angular fine to medium flint, clinker, brick, wood and concrete.		2.37	(0.27)	11.95								
Loose light brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS GRANULAR)			(0.93)			3.00 ▼				3.00	SPT(S) N=6 (1,0/1,2,2,1)	
Soft brown slightly gravelly CLAY. Gravel is angular to rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.30		11.02								
Loose becoming very dense below 4.0 m light brown sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. Becoming blue below 4.5 m. (RIVER TERRACE DEPOSITS GRANULAR)		4.60	(1.30)	9.72						4.00	SPT(S) N=31 (2,2/2,23,3,3)	
Medium dense orange mottled green fine to coarse SAND. Moderate hydrocarbon odour. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(0.40)	9.32						5.00	SPT(S) N=30 (1,2/3,5,10,12)	
Moderate hydrocarbon odour.												
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		3.00 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445690.00 N118555.00	14.32	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **12/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Reinforced concrete.		0.12	(0.12)									
MADE GROUND: Dark brown slightly clayey sandy GRAVEL. Gravel is angular to subangular fine to coarse brick		0.30	(0.18)									
MADE GROUND: Blackish brown gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint, brick, slate, clinker and concrete. Two whole bricks encountered.		1.10	(0.80)									
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	(1.20)									
Soft orangish brown very sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	(0.40)									
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.10	(0.40)									
Firm orangish brown slightly gravelly silty CLAY. Gravel is angular to subrounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.50	(0.40)									
Orangish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		4.95	(1.45)									
Greenish grey fine to coarse SAND. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.*			(1.05)									

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445690.00 N118555.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **12/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details			Test Details		Backfill
							Depth (m)	Type	Ref	Depth (m)	Results	
Greenish grey fine to coarse SAND. (RIVER TERRACE DEPOSITS GRANULAR)		6.00										
Borehole complete at 6.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445690.00 N118555.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **07/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.13	(0.13)	14.26								
REWORKED NATURAL: Firm grey slightly gravelly CLAY. Gravel is fine to medium angular to sub rounded of chalk.		0.30	(0.17)	14.09								
Firm orangish brown slightly gravelly silty CLAY with rare sub angular to sub rounded fine to medium flint gravel. (RIVER TERRACE DEPOSITS COHESIVE)		1.20	(0.90)	13.19						1.20	SPT(S) N=13 (4,4/3,3,3,4)	
Medium dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		1.80	(0.60)	12.59								
Medium dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR) *Becomes very sandy at 1.8 m bgl.*		3.50	(1.70)	10.89						2.00 3.00	SPT(S) N=25 (4,5/6,7,6,6) SPT(S) N=25 (7,5/3,3,7,12)	
Firm orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.70	(0.20)	10.69								
Medium dense becoming dense below 5 m orangish brown sandy angular to sub angular fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.30)	9.39		4.00 ▼				4.00 5.00	SPT(S) N=25 (6,6/6,6,6,7) SPT(S) N=37 (6,7/7,9,9,12)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings.7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike: Date	Water Strike: Time	Water Strike: Depth Strike	Water Level: Duration	Water Level: Depth Water	Borehole Diameter: Depth Base	Borehole Diameter: Diameter
		4.00 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445722.00 N118541.00	14.39	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **08/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.14	(0.14)	14.34								
MADE GROUND: Blackish grey sandy angular to sub angular fine to coarse GRAVEL of brick, flint, clinker and concrete.		0.40	(0.26)	14.08								
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.30	(0.90)	13.18						1.20	SPT(S) N=5 (1,1/1,2,1,1)	
Soft orangish brown slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.70	(0.40)	12.78								
Firm orangish brown very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(0.30)	12.48						2.00	SPT(S) N=18 (3,4/4,5,3,6)	
Medium dense orangish brown slightly clayey angular to sub rounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.50	(0.50)	11.98								
Dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.70	(1.20)	10.78		3.64 ▼				3.00	SPT(S) N=45 (8,11/13,13,10,9)	
Stiff orangish brown slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(0.30)	10.48						4.00	SPT(S) N=45 (11,13/11,10,10,14)	
Dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.70	(0.70)	9.78								
Stiff grey mottled brown very gravelly CLAY. Gravel is sub angular to sub rounded fine to coarse of flint. (LONDON CLAY)		5.00	(0.30)	9.48						5.00	SPT(S) N=18 (3,4/4,5,4,5)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		3.64 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445690.00 N118511.00	14.48	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **08/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Very dark brown gravelly fine to coarse SAND. Gravel is angular fine to coarse of brick, ash, weak density chalk and flint.		0.40	(0.40)	13.84								
REWORKED NATURAL: Structureless CHALK composed of soft white slightly sandy slightly gravelly SILT. Sand is coarse chalk. Gravel is angular fine to coarse very weak low density chalk.		1.20	(0.80)	13.04						1.20	SPT(S) N=15 (2,2/3,3,4,5)	
Firm orangish brown slightly gravelly very sandy CLAY. Gravel is sub angular to sub rounded fine to medium of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.20)	12.84								
Dense orangish brown slightly clayey very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.30	(0.90)	11.94						2.00	SPT(S) N=47 (8,9/10,12,11,14)	
Dense orangish brown very sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.70	(0.40)	11.54								
Soft orangish brown slightly sandy gravelly CLAY. Gravel is angular to rounded fine to medium of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.30)	11.24						3.00	SPT(S) N=37 (10,11/10,9,8,10)	
Dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.60	(0.60)	10.64		3.50 ▼						
Dense beoming medium dense below 5 m orangish brown slightly sandy GRAVEL. Gravel is angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.40)	9.24						4.00	SPT(S) N=43 (9,11/11,11,9,12)	
Borehole complete at 5.00 m bgl.										5.00	SPT(S) N=24 (6,3/3,6,6,9)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		3.50 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445680.00 N118549.00	14.24	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint, clinker, concrete, tarmacadam and brick. Sand is fine to coarse.		0.50	(0.50)	13.43								
Stiff orangish brown gravelly CLAY. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.10	(0.60)	12.83								
Stiff greyish brown very gravelly CLAY. Gravel is angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.70)	11.13						1.20 2.00	SPT(C) N=21 (5,4/4,6,6,5) SPT(C) N=28 (6,6/7,6,7,8)	
Medium dense orangish brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.10	(0.30)	10.83						3.00	SPT(C) N=30 (10,8/8,7,7,8)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.90)	8.93		3.90 ▼				4.00 5.00	SPT(C) N=41 (16,14/15,12,8,6) SPT(C) N=39 (8,8/10,11,10,8)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike: Date	Water Strike: Time	Water Strike: Depth Strike	Water Level: Duration	Water Level: Depth Water	Borehole Diameter: Depth Base	Borehole Diameter: Diameter
		3.90 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445678.00 N118313.00	13.93	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.85								
MADE GROUND: Blackish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of brick, concrete, clinker, wood and flint. Sand is fine to coarse.		0.30	(0.10)	13.75								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		0.80	(0.50)	13.25								
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(1.10)	12.15						1.20	SPT(C) N=28 (6,6/5,8,8,7)	
Very dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.40	(0.50)	11.65						2.00	SPT(C) N=50 (16,14/16,16,18,0)	
Medium dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.60)	11.05						3.00	SPT(C) N=14 (11,7/7,3,2,2)	
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445716.00 N118273.00	14.05	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.15	(0.15)	13.75								
MADE GROUND: Reddish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint and brick. *Frequent brick cobbles.*		1.10	(0.95)	12.80								
Borehole complete at 1.10 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.1 m bgl and terminated due to obstructing foundations.6. Borehole backfilled with arisings.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445781.00 N118208.00	13.90	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.19	(0.19)	14.21								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, flint, concrete and clinker. Sand is fine to coarse. *High brick cobble content.*		0.70	(0.51)	13.70								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes gravelly. Gravel is angular to sub rounded fine to coarse flint.* *Becomes sandy.*		2.00	(1.30)	12.40						1.20	SPT(C) N=8 (2,2/3,3,1,1)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(1.00)	11.40						2.00	SPT(C) N=47 (10,10/12,12,10,13)	
Borehole complete at 3.00 m bgl.										3.00	SPT(C) N=50 (15,17/17,16,14,3)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445766.00 N118178.00	14.40	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.76								
MADE GROUND: Blackish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of brick, concrete, clinker, wood and flint. Sand is fine to coarse.		0.60	(0.40)	13.36								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes slightly gravelly at 1.3 m bgl. Gravel is angular to sub rounded fine to coarse flint.*		1.90	(1.30)	12.06						1.20	SPT(S) N=6 (1,1/2,1,2,1)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.20	(0.30)	11.76						2.00	SPT(S) N=45 (8,8/9,14,10,12)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.50	(1.30)	10.46						3.00	SPT(S) N=50 (19,18/17,16,17,0)	
Borehole complete at 3.50 m bgl.										3.50	SPT(S) N=50 (50 for 75mm/50 for 75mm)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445791.00 N118187.00	13.96	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.15	(0.15)	13.74								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, concrete and flint.		0.60	(0.45)	13.29								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.50	(0.90)	12.39						1.20	SPT(S) N=7 (1,2/2,1,2,2)	
Firm orangish brown slightly sandy very gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(0.50)	11.89								
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.60	(0.60)	11.29						2.00	SPT(S) N=37 (12,11/11,11,8,7)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.30	(0.70)	10.59						3.00	SPT(S) N=50 (13,14/50 for 225mm)	
Borehole complete at 3.30 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445809.00 N118170.00	13.89	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of brick, flint, wood, slate and concrete.		0.60	(0.60)	13.79								
Firm orangish brown CLAY with evidence of bioturbation. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(1.50)	12.29						1.20	SPT(C) N=7 (2,2/2,1,2,2)	
Becomes gravelly at 1.6 m bgl . Gravel is angular to sub rounded fine to coarse flint.										2.00	SPT(C) N=40 (7,7/9,10,10,11)	
Dense slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.20	(0.10)	12.19								
Medium dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.80)	9.39						3.00	SPT(C) N=26 (7,5/7,6,6,7)	
										4.00	SPT(C) N=38 (11,10/8,11,10,9)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=21 (5,7/5,6,5,5)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445788.00 N118138.00	14.39	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

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Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.74								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, flint, concrete and clinker. Sand is fine to coarse.		0.60	(0.40)	13.34								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.30	(0.70)	12.64						1.20	SPT(C) N=9 (3,2/2,2,2,3)	
Becomes slightly gravelly at 1.2 m bgl. Gravel is angular to sub rounded fine to coarse flint.												
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(0.80)	11.84						2.00	SPT(C) N=29 (6,6/5,7,9,8)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.50	(1.40)	10.44						3.00	SPT(C) N=54 (12,12/14,13,13,14)	
Borehole complete at 3.50 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445829.00 N118212.00	13.94	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

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Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, clinker, flint and concrete. Sand is fine to coarse.		0.50	(0.50)	13.19								
Stiff orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.30	(0.80)	12.39						1.20	SPT(C) N=9 (3,3/3,2,2,2)	
Becomes slightly gravellyat 1.2 m bgl. Gravel is angular to sub rounded fine to coarse flint.												
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(0.80)	11.59						2.00	SPT(C) N=37 (8,10/8,10,9,10)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.90)	10.69						3.00	SPT(C) N=37 (6,7/9,9,9,10)	
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 5. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445848.00 N118191.00	13.69	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint, clinker, concrete, tarmacadam and brick. Sand is fine to coarse.		0.60	(0.60)	14.02								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	(1.20)	12.82						1.20	SPT(C) N=12 (2,3/3,2,3,4)	
Becomes gravelly at 1.7 m bgl. Gravel is angular to sub rounded fine to coarse flint.												
Firm orangish brown very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	(0.70)	12.12						2.00	SPT(C) N=34 (7,8/7,8,9,10)	
Dense orangish brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.50)	9.62						3.00	SPT(C) N=40 (12,10/11,10,10,9)	
										4.00	SPT(C) N=33 (14,13/10,8,6,9)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=36 (8,8/10,11,8,7)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445860.00 N118176.00	14.62	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish brown sandy angular to sub angular fine to medium GRAVEL of flint, clinker, brick, wood and concrete.		0.60	(0.60)	13.03								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(1.50)	11.53						1.20	SPT(C) N=11 (3,2/3,3,3,2)	
Becomes slightly gravelly at 1.8 m bgl. Gravel is angular to sub rounded fine to coarse flint.										2.00	SPT(C) N=33 (8,9/9,8,8,8)	
Dense becoming medium dense below 4m orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.90)	8.63		4.30 ▼				3.00 4.00	SPT(C) N=38 (8,9/9,10,9,10) SPT(C) N=26 (5,6/6,7,6,7)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=11 (4,3/3,2,3,3)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Hole collapsed at 5 m bgl and no sample recovered below this depth. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		4.30 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445872.00 N118163.00	13.63	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.15	(0.15)	14.24								
MADE GROUND: Blackish brown sandy angular to sub angular fine to medium GRAVEL of flint, clinker, brick, wood and concrete.		0.60	(0.45)	13.79						0.30	PID=0.0ppmv	
Soft orangish brown mottled grey slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		0.75	(0.15)	13.64								
Soft orangish brown slightly gravelly CLAY. Gravel is sub angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)			(1.55)							1.20	SPT(S) N=7 (1,1/1,2,2,2)	
Becomes very gravelly at 1.8 m bgl.												
Becomes sandy at 2 m bgl		2.30		12.09						2.00	SPT(S) N=38 (2,2/8,11,9,10)	
Dense orangish brown slightly clayey sandy angular to subrounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.40	(0.10)	11.99								
Dense becoming medium dense below 4.00 m orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.50	(2.10)	9.89						2.70 3.00 4.00	PID=0.1ppmv SPT(S) N=31 (4,5/6,7,8,10) SPT(S) N=24 (7,8/8,7,5,4)	
Medium dense orangish brown mottled grey very gravelly CLAY. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(0.50)	9.39						5.00	SPT(S) N=18 (2,4/4,5,4,5)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445823.00 N118115.00	14.39	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.13	(0.13)	13.88								
MADE GROUND: Brown sandy angular to rounded fine to coarse GRAVEL of flint, brick and quartz. Sand is fine to coarse. Becomes light brown below 0.2 m.		0.40	(0.27)	13.61								
Loose orangish brown gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		1.20	(0.80)	12.81						1.20	SPT(C) N=6 (3,2/2,1,1,2)	
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.20)	12.61								
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(1.20)	11.41						2.00	SPT(C) N=27 (5,5/6,6,7,8)	
Medium dense becoming dense below 4m orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.40)	9.01		4.40 ▼				3.00 4.00	SPT(C) N=22 (6,6/6,5,5,6) SPT(C) N=48 (12,14/13,13,11,11)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=32 (8,9/9,9,8,6)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		4.40 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445851.00 N118128.00	14.01	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.13	(0.13)	13.76								
MADE GROUND: Blackish brown sandy angular to sub angular fine to medium GRAVEL of flint, clinker, brick, wood and concrete.		0.50	(0.37)	13.39								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)			(1.60)							1.20	SPT(C) N=7 (2,1/2,2,1,2)	
Becomes gravelly at 1.8 m bgl.		2.10		11.79						2.00	SPT(C) N=24 (6,7/5,6,6,7)	
Medium dense becoming very dense below 3m orangish brown slightly clayey sandy GRAVEL. Gravel is angular to sub angular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.30	(1.20)	10.59						3.00	SPT(C) N=50 (25 for 100mm/50 for 230mm)	
Borehole complete at 3.30 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445877.00 N118117.00	13.89	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.13	(0.13)	13.72								
MADE GROUND: Brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of concrete.		0.30	(0.17)	13.55								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, flint, concrete and clinker. Sand is fine to coarse.		0.70	(0.40)	13.15								
Firm orangish brown very sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		0.80	(0.10)	13.05								
Firm grey CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.10	(0.30)	12.75								
Soft grey CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	(1.20)	11.55						1.20 2.00	SPT(C) N=6 (1,2/2,2,1,1) SPT(C) N=6 (1,1/2,1,2,1)	
Dense grey slightly clayey sandy GRAVEL. Gravel is angular to sub angular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.* *Becomes orangish brown in colour.*		3.00	(0.70)	10.85						2.40 3.00	PID=10.3ppmv SPT(C) N=43 (12,14/13,12,9,9)	
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445922.00 N118111.00	13.85	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.18	(0.18)	13.80								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of clinker, brick, wood and concrete.		0.70	(0.52)	13.28								
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(1.20)	12.08						1.20	SPT(C) N=7 (1,2/1,2,2,2)	
Firm slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	(0.80)	11.28						2.00	SPT(C) N=30 (6,7/7,9,7,7)	
Medium dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.10	(0.40)	10.88						3.00	SPT(C) N=22 (6,7/6,6,5,5)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.50	(1.40)	9.48		4.00 ▼				4.00	SPT(C) N=32 (7,7/8,9,7,8)	
Firm mottled blue, grey and brown silty CLAY. (LONDON CLAY)		5.00	(0.50)	8.98						5.00	SPT(C) N=11 (2,3/3,3,2,3)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		4.00 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445905.00 N118089.00	13.98	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.13	(0.13)	13.81								
MADE GROUND: Blackish brown slightly clayey sandy angular to rounded fine to coarse GRAVEL of flint, brick, clinker, wood, concrete and glass.		0.60	(0.47)	13.34								
Firm orangish brown slightly sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.80)	12.54						1.20	SPT(C) N=6 (1,1/1,2,1,2)	
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(0.50)	12.04								
Very dense orangish brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.40	(0.50)	11.54						2.00	SPT(C) N=52 (10,14/14,13,12,13)	
Dense greyish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.*		3.00	(0.60)	10.94						3.00	SPT(C) N=47 (12,12/13,11,11,12)	
Dense orangish brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.00)	8.94						4.00	SPT(C) N=45 (10,11/11,11,10,13)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=21 (6,6/7,6,4,4)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445886.00 N118086.00	13.94	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **12/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Reinforced concrete.		0.15	(0.15)									
MADE GROUND: Blackish brown slightly clayey sandy GRAVEL. Gravel is angular to sub angular fine to coarse brick, concrete, flint, clinker and wood.		0.80	(0.65)									
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.60)									
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subangular fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.60	(0.20)									
Firm orangish brown slightly gravelly sandy CLAY. Gravel is angular to subrounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(0.30)									
Orangish brown slightly clayey sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	(0.60)									
Orangish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		4.00	(1.50)									
Orangish brown slightly clayey GRAVEL. Gravel is angular to subangular fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(1.00)									
Orangish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)			(0.80)									

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445886.23 N118086.06		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

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Date: **12/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details			Test Details		Backfill
							Depth (m)	Type	Ref	Depth (m)	Results	
Orangish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		5.80	(0.20)									
Stiff grey sandy CLAY. Sand is fine to coarse. (LONDON CLAY)		6.00										
Borehole complete at 6.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445886.23 N118086.06		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.17	(0.17)	13.68								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, clinker and concrete. Sand is fine to coarse.		0.70	(0.53)	13.15								
Soft grey slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)										1.20	SPT(C) N=2 (1,1/1,0,1,0)	
Becomes firm at 1.4 m bgl.												
			(1.90)							2.00	SPT(C) N=24 (1,2/3,5,7,9)	
		2.60		11.25								
Firm grey slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)			(0.40)									
Moderate hydrocarbon odour.		3.00		10.85						3.00	SPT(C) N=24 (6,6/6,7,5,6)	
Medium dense greyish orange slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)			(1.50)							4.00	SPT(C) N=15 (4,3/3,4,4,4)	
		4.50		9.35								
Medium dense orangish brown sandy angular to sub angular fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)			(0.50)									
		5.00		8.85						5.00	SPT(C) N=14 (3,3/3,3,4,4)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm an 19mm diameter standpipes, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445916.00 N118094.00	13.85	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 11/01/2019	Client: Diageo Investment Fund Ltd	

Dynamic Sampler Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.67								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, concrete, clinker, coal and wood.		0.60	(0.40)	13.27								
Firm grey slightly gravelly CLAY with occasional rootlets and evidence of bioturbation. Gravel is sub rounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		0.80	(0.20)	13.07								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes slightly gravelly at 1.3 m bgl. Gravel is angular to sub rounded fine to coarse flint.*		1.60	(0.80)	12.27						1.20	SPT(C) N=6 (0,1/1,1,2,2)	
Firm orangish brown slightly sandy very gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	(0.20)	12.07								
Dense orangish brown slightly clayey slightly sandy angular to sub angular fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.20	(0.40)	11.67						2.00	SPT(C) N=35 (6,7/10,8,8,9)	
Dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(1.80)	9.87						3.00	SPT(C) N=33 (8,8/8,9,7,9)	
Firm greyish brown slightly sandy very gravelly CLAY. Gravel is angular to sub rounded fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(1.00)	8.87						4.00	SPT(C) N=15 (6,5/3,4,3,5)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=12 (2,1/2,3,3,4)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445916.00 N118062.00	13.87	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.08		13.67								
MADE GROUND: Light brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of concrete. Sand is fine to coarse.		0.20	(0.12)	13.55								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, concrete, slate, glass, clinker, coal and wood.		0.90	(0.70)	12.85								
Firm grey mottled brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.20	(0.30)	12.55						1.20	SPT(C) N=6 (1,1/2,1,1,2)	
Soft greyish brown CLAY with evidence of bioturbation. Becomes stiff and orangish brown below 1.5 m. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	(1.10)	11.45						2.20	SPT(C) N=15 (1,1/2,3,3,7)	
Firm slightly gravelly sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	(0.20)	11.25								
Dense orangish brown slightly clayey very gravelly SAND. Gravel is angular to sub angular fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.20	(0.70)	10.55						3.20	SPT(C) N=39 (14,12/11,10,10,8)	
Borehole complete at 3.20 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445945.00 N118088.00	13.75	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.70								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, concrete, clinker, coal and wood.		0.40	(0.20)	13.50								
Orangish brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		0.90	(0.50)	13.00								
Firm grey mottled brown slightly gravelly CLAY. Gravel is sub rounded medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.20	(0.30)	12.70						1.20	SPT(C) N=5 (1,1/1,1,1,2)	
Soft orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.50	(0.30)	12.40								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes sandy at 2.2 m bgl.* *Becomes gravelly at 2.4 m bgl.*		2.60	(1.10)	11.30						2.00	SPT(C) N=2 (1,1/1,0,1,0)	
Orangish brown slightly clayey SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.40)	10.90						3.00	SPT(C) N=11 (2,3/2,4,2,3)	
Medium dense becoming dense below 4m orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.00)	8.90						4.00	SPT(C) N=41 (12,11/10,12,9,10)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=11 (5,5/4,2,3,2)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445953.00 N118072.00	13.90	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.93								
MADE GROUND: Soft greyish brown slightly gravelly CLAY. Gravel is angular to sub rounded fine to coarse flint and brick.		0.30	(0.10)	13.83								
Firm orangish brown slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.30	(1.00)	12.83						1.20	SPT(C) N=8 (1,1/2,2,2,2)	
Firm orangish brown gravelly CLAY. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes sandy at 1.6 m bgl.*		1.70	(0.40)	12.43								
Dense orangish brown slightly sandy clayey GRAVEL. Gravel is angular to sub rounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.50	(0.80)	11.63						2.00	SPT(C) N=38 (6,7/8,9,11,10)	
Dense light brown SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.50)	11.13						3.00	SPT(C) N=32 (8,6/8,8,7,9)	
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445891.00 N118056.00	14.13	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint, clinker, concrete, tarmacadam and brick. Sand is fine to coarse.		0.50	(0.50)	13.13								
Firm grey slightly sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		0.80	(0.30)	12.83								
Firm orangish brown mottled grey CLAY. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes soft and slightly gravelly at 1.3 m bgl, mild solvent odour.*		1.40	(0.60)	12.23						1.20	SPT(C) N=7 (1,1/2,2,1,2)	
Firm orangish brown CLAY with rare coarse grained particles of sand. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	(0.90)	11.33						2.00	SPT(C) N=10 (1,1/2,3,2,3)	
Soft orangish brown slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.40	(0.10)	11.23								
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(0.40)	10.83								
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.20)	10.63						3.00	SPT(C) N=48 (12,13/18,12,10,8)	

Borehole complete at 3.00 m bgl.

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446013.00 N118006.00	13.63	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.30	(0.30)	13.48								
Soft greyish brown slightly gravelly SILT with rare bioturbation of rootlets. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		0.50	(0.20)	13.28								
Soft orangish brown CLAY with rare sub angular fine to medium flint gravel. (RIVER TERRACE DEPOSITS COHESIVE)		1.10	(0.60)	12.68								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	(0.70)	11.98						1.20	SPT(S) N=5 (0,1/1,1,1,2)	
Firm slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(0.80)	11.18						2.00	SPT(S) N=21 (3,4/3,4,7,7)	
Dense becoming medium dense below 4 m and loose below 5m light brown very gravelly fine to coarse SAND. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.40)	8.78						3.00	SPT(S) N=35 (6,7/8,8,10,9)	
										4.00	SPT(S) N=16 (3,4/3,4,3,6)	
Borehole complete at 5.00 m bgl.										5.00	SPT(S) N=8 (2,1/2,2,2,2)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445990.00 N118004.00	13.78	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019 - 11/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.62								
MADE GROUND: Orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint, brick, clinker and concrete.		0.70	(0.50)	13.12								
MADE GROUND: Orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint, brick, clinker and concrete. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(1.40)	11.72						1.20 2.00	SPT(C) N=11 (1,2/2,3,2,4) SPT(C) N=35 (5,9/8,9,9,9)	
Dense orangish brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.50	(0.40)	11.32								
Dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(1.50)	9.82						3.00 4.00	SPT(C) N=48 (11,12/12,15,10,11) SPT(C) N=17 (4,5/4,4,3,6)	
Medium dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.00)	8.82						5.00	SPT(C) N=14 (3,3/3,4,4,3)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446023.00 N117973.00	13.82	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Loose Light grey angular coarse gravel overlying brown clayey gravelly SAND with occasional fragments of metal, ceramic tile and glass. Gravel is angular to rounded fine to coarse of flint, brick, concrete and tarmacadam.		0.50	(0.50)	13.02								
MADE GROUND: Dark brown mottled greenish grey slightly sandy slightly gravelly CLAY with occasional fragments of glass and wood. Gravel is angular fine to medium of brick, flint and coal.		1.00	(0.50)	12.52								
Soft becoming firm below 1.4 m orangish grey CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(0.90)	11.62						1.20	SPT(C) N=2 (1,1/1,0,1,0)	
Dense orangish brown slightly clayey angular to subangular fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(1.10)	10.52						2.00	SPT(C) N=36 (6,8/8,9,9,10)	
Borehole complete at 3.00 m bgl.										3.00	SPT(C) N=33 (10,11/9,9,8,7)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446054.00 N117957.00	13.52	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Brown sandy angular to rounded fine to coarse GRAVEL of brick, cement, flint and tarmacadam. Sand is fine to coarse.		0.30	(0.30)	13.60						0.20	PID=0.8ppmv	
MADE GROUND: Dark brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint, clinker, concrete, tarmacadam and brick. Sand is fine to coarse.		1.20	(0.90)	12.70						0.50 1.00	PID=0.0ppmv SPT(C) N=9 (4,3/2,2,3,2)	
MADE GROUND: Firm dark grey slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of brick, flint and clinker.		1.40	(0.20)	12.50								
Stiff grey mottled brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(1.20)	11.30						2.00	SPT(C) N=15 (1,1/2,3,4,6)	
Stiff orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(2.40)	8.90		4.00 ▼				3.00 4.00	SPT(C) N=50 (25 for 100mm/50 for 270mm) SPT(C) N=21 (8,8/9,6,4,2)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=19 (5,5/4,5,6,4)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		4.00 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446087.00 N117928.00	13.90	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Brown sandy angular to rounded fine to coarse GRAVEL of brick, concrete, flint and tarmacadam. Sand is fine to coarse.		0.40	(0.40)	13.64						0.30	PID=0.0ppmv	
MADE GROUND: Dark brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint, clinker, concrete, tarmacadam and brick. Sand is fine to coarse.		1.20	(0.80)	12.84						0.50 1.00	PID=0.2ppmv SPT(C) N=11 (4,3/2,3,3,3)	
MADE GROUND: Firm dark brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint, brick and concrete. Sand is fine to coarse.		1.35	(0.15)	12.69								
Soft greyish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.45)	11.24						2.00	SPT(C) N=8 (2,1/2,2,2,2)	
Stiff slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.20)	11.04						3.00	SPT(C) N=38 (8,10/11,10,8,9)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.20	(1.20)	9.84						4.00	SPT(C) N=9 (5,4/4,2,2,1)	
Firm slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.30	(0.10)	9.74								
Stiff grey thinly laminated CLAY. (LONDON CLAY)		5.00	(0.70)	9.04						5.00	SPT(C) N=16 (4,5/4,3,5,4)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446097.00 N117942.00	14.04	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Orangish brown gravelly SAND. Gravel is angular to rounded fine to coarse of brick, flint and concrete.		0.10	(0.10)	14.04								
MADE GROUND: Brown slightly gravelly CLAY with frequent wood fragments and rare polystyrene fragments. Gravel is angular to rounded fine to coarse of brick, flint and tarmacadam.		1.30	(1.20)	12.84						0.20 0.70 1.20	PID=0.8ppmv PID=0.3ppmv SPT(S) N=2 (2,2/0,1,0,1)	
Soft grey slightly sandy CLAY. Sand is fine to coarse. Below 2.5 m becoming very sandy. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(1.30)	11.54						2.00	SPT(S) N=8 (1,2/1,2,2,3)	
Yellow slightly clayey gravelly SAND. Gravel is angular fine to predominantly coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.70	(0.10)	11.44								
Borehole complete at 2.70 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%. 7. Hole terminated at 2.7 m due to obstruction.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446113.00 N117922.00	14.14	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete with loose angular to rounded coarse GRAVEL of flint.		0.10	(0.10)	14.14								
MADE GROUND: Brown slightly gravelly CLAY with frequent glass fragments. Gravel is angular to rounded fine to coarse of flint, brick, concrete and coal.		1.50	(1.40)	12.74						0.40 0.50 1.20	PID=5.5ppmv PID=0.4ppmv SPT(S) N=8 (1,1/1,0,3,4)	
Soft becoming firm below 2 m greyish brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular fine to coarse flint. Orange oxidation staining below 3 m. (RIVER TERRACE DEPOSITS COHESIVE)		3.20	(1.70)	11.04						2.00 3.00	SPT(S) N=7 (1,1/1,2,2,2) SPT(S) N=29 (2,5/6,8,8,7)	
Medium dense grey sandy angular to rounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.80)	9.24						4.00 5.00	SPT(S) N=19 (7,5/5,5,5,4) SPT(S) N=9 (2,2/2,2,2,3)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446145.00 N117948.00	14.24	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Date: **10/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish grey sandy angular to subangular fine to coarse GRAVEL of brick, flint, clinker, tarmacadam and concrete with fragments of metal and glass. Rare cobbles found below 0.3 m.		1.00	(1.00)	13.13								
MADE GROUND: Firm dark grey slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of brick and flint.		1.70	(0.70)	12.43						1.20	SPT(C) N=4 (1,1/1,1,1,1)	
Firm greyish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	(1.00)	11.43						1.70 2.00 2.00 2.30	PID=0.0ppmv SPT(C) N=8 (1,1/2,2,2,2) PID=0.0ppmv PID=0.0ppmv	
Firm greyish brown slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.30)	11.13						3.00	SPT(C) N=45 (9,8/11,12,12,10)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.40	(0.40)	10.73								
Medium dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.50	(1.10)	9.63						4.00	SPT(C) N=21 (5,4/6,6,4,5)	
Medium dense slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.70	(0.20)	9.43								
Soft orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(0.30)	9.13						5.00	SPT(C) N=6 (1,2/1,2,1,2)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446105.00 N117955.00	14.13	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint, brick, clinker and concrete.		0.60	(0.60)	13.47								
MADE GROUND: Firm dark brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse flint, brick, glass and concrete. Sand is fine to coarse.		1.50	(0.90)	12.57						1.20	SPT(C) N=5 (1,1/1,1,1,2)	
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.30)	11.27						2.00	SPT(C) N=5 (1,2/1,1,1,2)	
Firm orangish brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.20)	11.07						3.00	SPT(C) N=41 (9,10/11,11,10,9)	
Dense orangish brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.50	(0.50)	10.57								
Medium dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.90	(1.40)	9.17						4.00	SPT(C) N=11 (4,3/2,3,3,3)	
Firm orangish brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(0.10)	9.07						5.00	SPT(C) N=17 (2,2/3,3,4,7)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446126.00 N117997.00	14.07	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish brown slightly clayey sandy GRAVEL. Gravel is angular to sub angular fine to coarse brick, concrete and flint.		0.60	(0.60)	13.32								
Soft grey gravelly CLAY. Gravel is angular to sub rounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		0.80	(0.20)	13.12								
Firm slightly gravelly CLAY. Gravel is angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE) *Mild hydrocarbon odour.*		2.60	(1.80)	11.32						1.20 2.00	SPT(C) N=2 (1,1/1,0,1,0) SPT(C) N=6 (2,1/2,2,1,1)	
Firm grey gravelly CLAY. Gravel is angular to sub rounded fine to coarse flint and quartz. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(0.20)	11.12								
Dense greyish brown sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.*		3.00	(0.20)	10.92						2.90 3.00	PID=19.2ppmv SPT(C) N=47 (11,10/10,12,12,13)	

Borehole complete at 3.00 m bgl.

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446058.00 N118056.00	13.92	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL is wood, clinker, concrete and brick. Sand is fine to coarse.		0.50	(0.50)	13.48								
MADE GROUND: Brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of concrete, brick and flint. Sand is fine to coarse.		1.20	(0.70)	12.78						1.20	SPT(C) N=3 (1,0/1,0,1,1)	
Firm orangish brown CLAY. Becomes grey below 1.6 m. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	(1.50)	11.28						2.00	SPT(C) N=6 (1,1/1,2,1,2)	
Firm slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.30)	10.98						3.00	SPT(C) N=44 (9,9/10,11,11,12)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.70	(0.70)	10.28								
Medium dense brownish grey SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)										3.80	PID=208.0ppmv	
										4.00	SPT(C) N=16 (5,5/5,4,3,4)	
Strong hydrocarbon odour.			(1.20)									
Gravel is grey in colour.		4.90		9.08						4.50	PID=140.0ppmv	
Medium dense greyish brown slightly clayey sandy sub angular to sub rounded GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(0.10)	8.98						5.00	SPT(C) N=17 (4,5/4,4,4,5)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446022.00 N118060.00	13.98	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL is wood, clinker, concrete and brick. Sand is fine to coarse.		0.50	(0.50)									
MADE GROUND: Brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of concrete, brick and flint. Sand is fine to coarse.		1.20	(0.70)									
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub rounded fine flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.70	(0.50)									
Firm brownish grey CLAY with evidence of bioturbation. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.10)									
Firm grey gravelly CLAY. Gravel is angular to sub rounded fine to coarse flint and quartz. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.20)									
Greyish brown slightly clayey sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.40	(0.40)									
Orangish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE) *Moderate hydrocarbon odour.*		4.30	(0.90)									
Grey sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(0.70)									
Firm grey silty CLAY. (LONDON CLAY)			(1.00)									

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446022.00 N118060.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Date: **11/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details			Test Details		Backfill
							Depth (m)	Type	Ref	Depth (m)	Results	
Firm grey silty CLAY. (LONDON CLAY)		6.00										
Borehole complete at 6.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446022.00 N118060.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.40	(0.40)	13.55								
MADE GROUND: Firm dark grey mottled brown gravelly CLAY. Gravel is angular to sub angular fine to coarse brick, wood, flint and concrete.		0.60	(0.20)	13.35								
Soft orangish brown mottled grey slightly gravelly CLAY with evidence of bioturbation. Gravel is sub angular to rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(2.00)	11.35						1.20 2.00	SPT(C) N=3 (1,1/1,0,1,1) SPT(C) N=5 (1,2/1,1,1,2)	
Firm greyish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(0.20)	11.15								
Dense greyish brown slightly clayey sandy sub angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.20	(0.40)	10.75						3.00	SPT(C) N=42 (8,8/10,11,11,10)	
Medium dense greyish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.*		5.00	(1.80)	8.95						3.80 4.00	PID=104.0ppmv SPT(C) N=20 (5,5/6,5,5,4)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=25 (5,6/5,7,7,6)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445996.00 N118074.00	13.95	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete		0.13	(0.13)									
MADE GROUND: Brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of concrete, brick and flint. Sand is fine to coarse.		1.10	(0.97)									
Firm orangish brown slightly gravelly CLAY. Gravel is subangular to rounded fine flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.30)									
Firm greyish brown slightly gravelly CLAY. Gravel is angular to subrounded fine flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	(0.90)									
Firm grey very sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(0.30)									
Greyish brown slightly clayey sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(0.20)									
Orangish brown gravelly SAND. Gravel is angular to subrounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.70	(0.90)									
Brownish grey SAND and GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE) *Strong hydrocarbon odour.*			(2.10)									

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445996.00 N118074.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details			Test Details		Backfill
							Depth (m)	Type	Ref	Depth (m)	Results	
Brownish grey SAND and GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		5.80	(0.20)									
Firm grey silty CLAY. (LONDON CLAY)		6.00										
Borehole complete at 6.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445996.00 N118074.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **08/01/2019 - 09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly clayey sandy angular to subrounded fine to coarse GRAVEL of flint, concrete, brick, tarmacadam with rare fragments of metal. Low cobble content of concrete.		0.30	(0.30)	13.81								
MADE GROUND: Blackish grey slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint, concrete, glass and brick.		1.00	(0.70)	13.11								
Soft orangish brown slightly sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(1.00)	12.11						1.20	SPT(S) N=5 (1,2/1,2,1,1)	
Stiff orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.20	(0.20)	11.91						2.00	SPT(S) N=5 (1,2/1,2,1,1)	
Medium dense orangish brown angular to round fine to coarse SAND AND GRAVEL. Sand is fine to coarse. Gravel is fine to coarse angular to subangular of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.80)	11.11						3.00	SPT(S) N=29 (3,6/7,8,6,8)	
Soft orangy brown very sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.50	(0.50)	10.61								
Blueish grey fine to coarse SAND. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(0.50)	10.11						4.00	SPT(S) N=2 (1,0/1,0,0,1)	
Very loose blackish grey sandy angular to subrounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.00)	9.11						5.00	SPT(S) N=14 (1,1/1,4,4,5)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446172.00 N117935.00	14.11	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly clayey sandy angular to subrounded fine to coarse GRAVEL of flint, concrete, brick, tarmacadam with rare fragments of metal. Occasional cobbles of concrete.		0.30	(0.30)	13.58						0.20	PID=0.0ppmv	
MADE GROUND: Blackish grey slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint, concrete, glass and brick.		1.00	(0.70)	12.88						0.40	PID=0.7ppmv	
Soft greyish brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular to subrounded fine to medium of flint. Below 1.5 m orange mottling with bioturbation. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	(0.80)	12.08						1.20	SPT(S) N=5 (2,2/1,1,2,1)	
Stiff orangish brown slightly sandy CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.00)	11.08						2.00	SPT(S) N=8 (2,2/2,2,2,2)	
Stiff sandy very gravelly CLAY. Gravel is angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.20)	10.88						3.00	SPT(S) N=50 (8,10/50 for 280mm)	
Very dense becoming medium dense below 4m orangish brown angular to round fine to coarse SAND AND GRAVEL. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.00)	8.88						4.00	SPT(S) N=15 (4,5/4,4,4,3)	
Borehole complete at 5.00 m bgl.										5.00	SPT(S) N=22 (3,5/5,5,5,7)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446165.00 N117910.00	13.88	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of brick, flint and concrete.		0.50	(0.50)	13.49								
MADE GROUND: Dark brown slightly clayey gravelly SAND. Gravel is angular to subangular fine to coarse of brick, flint and concrete.		1.00	(0.50)	12.99								
MADE GROUND: Stiff dark grey gravelly CLAY. Gravel is angular fine to medium of red brick and flint.		1.30	(0.30)	12.69						1.20 1.30	SPT(S) N=7 (2,2/2,1,2,2) PID=0.4ppmv	
MADE GROUND: Blackish grey slightly clayey sandy angular to subangular fine to coarse GRAVEL of clinker and concrete with fragments of ceramic tiles.		1.40	(0.10)	12.59								
Firm grey slightly gravelly CLAY. Gravel is angular to subangular fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.40)	11.19						2.00	SPT(S) N=7 (1,1/1,2,2,2)	
Firm greyish brown slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.50	(0.70)	10.49						3.00	SPT(S) N=35 (1,3/6,9,10,10)	
Orangish brown slightly clayey sandy angular to subrounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.60	(0.10)	10.39								
Very loose light brown SAND AND GRAVEL. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.40	(0.80)	9.59						4.00	SPT(S) N=2 (3,2/2,0,0,0)	
Soft orangish brown slightly sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.80	(0.40)	9.19								
Firm dark grey CLAY. (LONDON CLAY)		5.00	(0.20)	8.99						5.00	SPT(S) N=9 (1,1/2,2,2,3)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446162.00 N117974.00	13.99	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Date: 17/12/2018	Client: Diageo Investment Fund Ltd	

Dynamic Sampler Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Black slightly gravelly sandy CLAY. Gravel is angular to sub-rounded fine to coarse flint, brick and clinker.		0.40	(0.40)	15.20								
REWORKED NATURAL: Very soft brown slightly gravelly CLAY. Gravel is angular fine to coarse flint. Becomes slightly sandy and very gravelly from 2.5m.		3.00	(2.60)	12.60								
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole completed at 3.00 m bgl due to required depth being achieved. 5. Borehole backfilled with arisings. 6. Borehole completed on side of embankment.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445686.00 N118509.00	15.60	Delta Drilling	Hand Tools	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **17/12/2018**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Black slightly gravelly sandy CLAY. Gravel is angular to sub-rounded fine to coarse flint, brick and clinker.		0.20	(0.20)	15.50								
REWORKED NATURAL: Very soft brown slightly gravelly CLAY. Gravel is angular fine to coarse flint. Becomes slightly sandy and very gravelly from 2.5m.		3.00	(2.80)	12.70								
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole completed at 3.00 m bgl due to required depth being achieved. 5. Borehole backfilled with arisings. 6. Borehole completed in embankment.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445681.00 N118493.00	15.70	Delta Drilling	Hand Tools	FH	DLJ	DLJ	1:30

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Dynamic Sampler Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Soft black slightly gravelly sandy CLAY. Gravel is angular to sub-rounded fine to coarse of flint, brick and clinker.		0.40	(0.40)	15.30								
REWORKED NATURAL: Very soft brown slightly gravelly CLAY. Gravel is angular fine to coarse flint. Becomes slightly sandy very gravelly below 2.5m.		3.00	(2.60)	12.70								
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole completed at 3.00 m bgl due to required depth being achieved. 5. Borehole backfilled with arisings. 6. Borehole completed on side of embankment.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445672.00 N118462.00	15.70	Delta Drilling	Hand Tools	FH	DLJ	DLJ	1:30

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Date: 17/12/2018	Client: Diageo Investment Fund Ltd	

Hand Dug Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown gravelly very clayey SAND. Gravel is angular to rounded fine to coarse of flint, tarmacadam and brick and with fragements of glass.		0.20	14.10					
REWORKED NATURAL: Soft brown CLAY.		0.36	13.94					
Hand pit complete at 0.36 m bgl.								

Dimensions and Orientation:

Bearing:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Base of retaining wall was observed at surface level. 5. Hand pit taken to the depth of 0.36 m due to the abscence of underlying foundations.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445673.00 N118461.00	14.30	Delta Drilling	Hand Tools	FH	DLJ	DLJ	1:30

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Date: 17/12/2018	Client: Diageo Investment Fund Ltd	

Hand Dug Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown gravelly very clayey SAND. Gravel is angular to rounded fine to coarse of flint, tarmacadam and brick and with fragements of glass.		0.20	14.40					
REWORKED NATURAL: Soft brown CLAY.		0.50	14.10					
Hand pit complete at 0.50 m bgl.								

Dimensions and Orientation:

Bearing:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Base of retaining wall was observed at surface level. 5. Hand pit taken to the depth of 0.5 m due to the abscence of underlying foundations.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445688.00 N118509.00	14.60	Delta Drilling	Hand Tools	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Trial Pit Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint, brick, tarmacadam, clinker, concrete, ceramic, glass and metal.		0.30	13.24					
Stiff orangish brown slightly gravelly CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	11.54				0.50	HV=85 kPa
							0.80	HV=75 kPa
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.30 m

Width = 0.60 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 2 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered. 7. Trial pit underwent soakaway testing.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446100.00 N117992.00	13.54	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: TP/SA112	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 15/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown gravelly SAND. Gravel is angular to subrounded fine to coarse of flint, ceramic, metal, plastic, wood and brick.		0.70	13.20					
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse predominantly medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.60	12.30					
Firm greyish brown slightly gravelly SILT. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	11.80					
Firm brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	11.40					
Yellowish light brown slightly clayey very gravelly SAND. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.05	10.85					
Trial pit complete at 3.05 m bgl.								

Dimensions and Orientation:

Length = 1.80 m

Width = 0.60 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 3.05 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered. 7. Trial pit underwent soakaway testing.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446075.00 N118049.00	13.90	Cutler Plant	JCB	BC	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

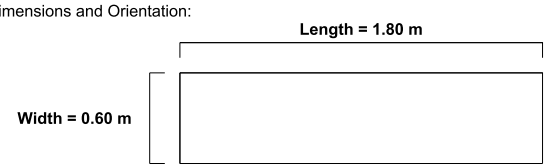
Trial Pit Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown slightly clayey gravelly SAND. Gravel is angular to subrounded fine to coarse of flint, brick, concrete and clinker.		0.20	13.81					
MADE GROUND: Blackish brown sandy angular to subrounded fine to predominantly coarse GRAVEL of clinker, coal, slag. Slight hydrocarbon odour.		0.75	13.26				0.40	PID=0.00ppmv
Firm greyish brown sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	11.51					
Greyish brown clayey gravelly SAND. Gravel is angular to subrounded fine to coarse of flint. Strong hydrocarbon odour below 2.5 m. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	11.01				2.70	PID=47.30ppmv
Trial pit complete at 3.00 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 3 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered. 7. Trial pit underwent soakaway testing.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446035.00 N118046.00	14.01	Cutler Plant	JCB	BC	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: TP102	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Hand Dug Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Orangish brown slightly sandy clayey angular to rounded fine to coarse GRAVEL of flint and plastic.		0.10						
MADE GROUND: Brownish orange slightly sandy gravelly CLAY with rootlets. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of flint, red brick, tarmacadam, ceramics and plastic.		0.50						
Hand pit complete at 0.50 m bgl.								

Dimensions and Orientation:

Length = 0.50 m

Width = 0.50 m

Bearing:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Delta-Simons	Plant Used: Hand Tools	Logged: BC	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP103	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Hand Dug Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown gravelly friable CLAY with rootlets. Gravel is angular to rounded fine to coarse of flint, plastic, red brick and tarmacadam.		0.50						
Hand pit complete at 0.50 m bgl.								

Dimensions and Orientation:

Length = 0.50 m

Width = 0.50 m

Bearing:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Delta-Simons	Plant Used: Hand Tools	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP104	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Hand Dug Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Orangish brown slightly sandy gravelly friable CLAY. Sand is fine to coarse. Gravel is angular to rounded of flint, red brick, plastic, metal and polystyrene.		0.50						
Hand pit complete at 0.50 m bgl.								

Dimensions and Orientation:

Length = 0.50 m

Width = 0.50 m

Bearing:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Delta-Simons	Plant Used: Hand Tools	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project: **Eastleigh, Southampton**

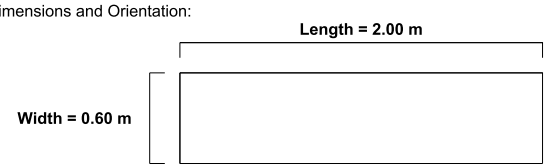
Trial Pit Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown gravelly very sandy CLAY with fragments of plastic and metal. Gravel is angular to rounded fine to coarse of brick, slate tile, concrete, glass and flint.		0.40	13.13				0.40	HV=130 kPa
Stiff orangish brown slightly gravelly CLAY with medium gravel sized black organic material. Gravel is angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	11.53					
Orangish brown sandy angular to subrounded fine to predominantly coarse GRAVEL of flint. Locally clayey below 3 m. (RIVER TERRACE DEPOSITS GRANULAR)		3.30	10.23					
Trial pit complete at 3.30 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 3.3 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446087.00 N117985.00	13.53	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		

Trial Pit Log

Date: 14/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of flint, brick, concrete, coal, wood, glass, chalk and clinker. Rare cobbles of slag.		0.40	13.10					
Firm orangish brown slightly gravelly CLAY with slight organic odour. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	11.70				0.60 1.00	HV=84 kPa HV=75 kPa
Firm orangish sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. Becomes very gravelly below 2.4m. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	10.80					
Trial pit complete at 2.70 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 0.80 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 2.7 m bgl due to historic pipe at base. 5. Excavation reinstated with arising. 6. Groundwater was not encountered.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446127.00 N118015.00	13.50	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 14/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown angular fine to coarse GRAVEL of flint, glass, brick, and concrete.		0.40	13.23					
Stiff orangish brown sandy gravelly CLAY. Gravel is angular fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	10.93					
Orangish brown sandy angular to rounded fine to predominantly coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.30	10.33					
Trial pit complete at 3.30 m bgl.								

Dimensions and Orientation:

Length = 1.80 m

Width = 0.60 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 3.3 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446073.00 N117999.00	13.63	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: TP109	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 14/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown angular fine to coarse GRAVEL of flint, glass, brick, and concrete.		0.30	13.23					
Firm orangish brown sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. Becomes slightly sandy below 2.3m. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	11.03				0.60 1.10	HV=70 kPa HV=40 kPa
Orangish brown sandy angular fine to coarse GRAVEL of flint. Becomes very sandy below 3 m. (RIVER TERRACE DEPOSITS GRANULAR)		3.80	9.73					
Orangish brown SAND AND GRAVEL. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of flint. Rare flint cobbles. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	9.53	3.90 ▼				
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Length = 1.80 m

Width = 0.70 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 4 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was encountered at 3.9m bgl.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446098.00 N117994.00	13.53	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Trial Pit Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown slightly clayey gravelly SAND. Gravel is angular to subangular fine to coarse of brick, flint, coal, tarmacadam, wood, metal, glass, plastic, ceramic and concrete.		0.40	13.27					
Stiff greyish brown slightly gravelly clayey SILT with occasional medium gravel sized organic material. Gravel is angular to subrounded fine to coarse of flint. Slight organic odour. (RIVER TERRACE DEPOSITS COHESIVE)		0.60	13.07				0.50	HV=90 kPa
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. Gravel becomes predominantly coarse below 1.6 m. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	11.57					
Firm orangish brown sandy gravelly CLAY. Gravel is angular to subrounded fine to predominantly coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	10.97					
Orangish brown sandy angular to subrounded fine to predominantly coarse GRAVEL of flint. Sand is fine to coarse. Rare flint cobbles. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	9.67	3.90 ▼				
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Length = 1.90 m

Width = 0.60 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 4 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was encountered at 3.9 m.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446086.00 N118036.00	13.67	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

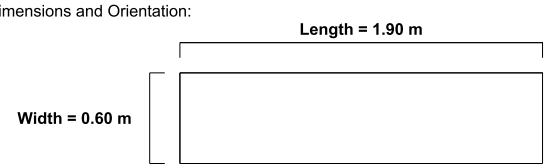
Trial Pit Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown sandy angular fine to medium GRAVEL of clinker and flint.		0.20	13.47					
MADE GROUND: Dark brown slightly gravelly friable CLAY. Gravel is angular to rounded fine to coarse of brick, coal, clinker, concrete, flint, metal and glass.		0.40	13.27					
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	11.37				0.60 1.00	HV=78 kPa HV=58 kPa
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.20	10.47					
Light brown sandy angular to subrounded fine to predominantly coarse GRAVEL of flint. Sand is medium to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.30	10.37					
Trial pit complete at 3.30 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 3.3 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446109.00 N118035.00	13.67	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

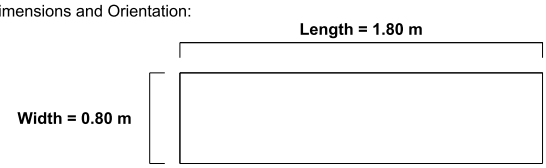
Trial Pit Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown slightly sandy slightly gravelly CLAY with lense of yellow fine sand. Gravel is angular to subrounded fine to coarse of flint, low density chalk, brick, coal, clinker and wood.		0.40	13.60					
Firm orangish brown sandy gravelly CLAY with medium gravel sized organic material. Gravel is angular to subrounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	11.20					
Light brown sandy gravelly CLAY. Gravel is angular to subrounded fine to predominantly coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	11.00					
Light brown SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.50	10.50				3.30	PID=5.00ppmv
Light grey very sandy angular to subrounded fine to coarse GRAVEL of flint. Strong hydrocarbon odour below 3.5 m. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	10.00				4.00	PID=72.60ppmv
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 4 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446017.00 N118058.00	14.00	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: TP115	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 15/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of fly tip waste comprising 80% and 20% matrix. Fly tip materials include 70% timber including sawn sleepers, 10% mixed plastic, metal and wire. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick and concrete.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP116	Page: 1 of 1
Project: Eastleigh, Southampton		

Trial Pit Log

Date: 15/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details			Test Details	
					Depth (m)	Type	Ref	Depth (m)	Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, granite and concrete. Occasional concrete cobbles and boulders. Rare cobbles of asphalt. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal, fabric and construction waste such as cutting blades and drain covers.		2.00							
Trial pit complete at 2.00 m bgl.									

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP117	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 15/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of fly tip waste comprising 80% and 20% matrix. Fly tip materials include 70% timber including sawn sleepers, 10% mixed plastic, metal and wire. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick and concrete.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP118	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 15/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of landfill comprising 60% matrix and 40% other. Matrix is blackish brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of brick, flint, wood, coal and concrete. Occasional concrete cobbles and boulders. Other materials include 20% timber including sawn sleepers, 20% mixed plastic, wire, metal and fabric.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP119	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 15/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of fly tip waste comprising 80% and 20% matrix. Fly tip materials include 70% timber including sawn sleepers, 10% mixed plastic, metal and wire. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick and concrete.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP120	Page: 1 of 1
Project: Eastleigh, Southampton		

Trial Pit Log

Date: 15/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details			Test Details	
					Depth (m)	Type	Ref	Depth (m)	Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, granite and concrete. Occasional concrete cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal, fabric and construction waste such as cutting blades and drain covers. Smarties packet with BBE date of 03/2010.		2.00							
Trial pit complete at 2.00 m bgl.									

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP121	Page: 1 of 1
Project: Eastleigh, Southampton		

Trial Pit Log

Date: 16/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, granite and concrete. Occasional concrete and road surface cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal and fabric.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising. 5. Depth of excavation limited due to railway tracks.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP122	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type Ref	Test Details: Depth (m)	Test Details: Results
MADE GROUND: Soils reminiscent of landfill comprising 85% matrix and 15% other. Matrix is dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, granite and concrete. Occasional concrete and road surface cobbles and boulders. Other materials include 10% timber including sawn sleepers, 5% mixed plastic, wire, metal and fabric.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising. 5. Depth of excavation limited due to railway tracks.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP123	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details			Test Details	
					Depth (m)	Type	Ref	Depth (m)	Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, slag, flint, coal, brick, chalk, glass, clinker and concrete. Occasional concrete cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal, fabric and construction waste such as engineered brick.		2.00							
Trial pit complete at 2.00 m bgl.									

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising. 5. Depth of excavation limited due to railway tracks.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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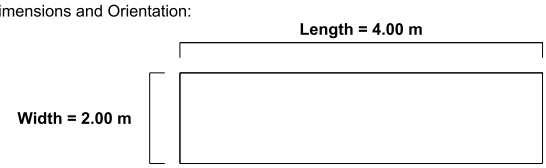
Project No: 17-1080.05	Hole ID: TP124	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type Ref	Test Details: Depth (m)	Test Details: Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, slag, flint, tarmacadam, coal, brick, chalk, glass, clinker and concrete. Occasional concrete cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal, fabric and construction waste such as engineered brick.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP125	Page: 1 of 1
Project: Eastleigh, Southampton		

Trial Pit Log

Date: 16/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details			Test Details	
					Depth (m)	Type	Ref	Depth (m)	Results
MADE GROUND: Soils reminiscent of landfill comprising 70% matrix and 30% other. Matrix is dark and yellowish brown slightly clayey gravelly fine to coarse SAND with abundant rootlets. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, flint, tarmacadum, coal, chalk, clinker and concrete. Occasional concrete cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire and fabric and 10% metal pipe fragments.		3.00							
Trial pit complete at 3.00 m bgl.									

Dimensions and Orientation:

Length = 4.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising. 5. Depth of excavation limited due concrete boulder obstruction.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

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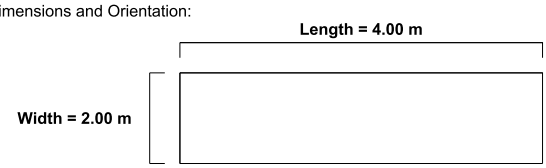
Project No: 17-1080.05	Hole ID: TP126	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of fly tip waste comprising 50% and 50% matrix. Fly tip materials include 40% timber including sawn sleepers, 10% mixed plastic, wire, metal and wire. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick and concrete. Crisp packet with BBE date of 1999.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP127	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, granite and concrete. Occasional concrete cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal and fabric.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Length = 4.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TT1	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 29/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown slightly gravelly slightly sandy friable CLAY with frequent rootlets. Gravel is angular to sub angular concrete, brick and flint. Frequent cobbles of angular to sub angular concrete.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TT2	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 29/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type Ref	Test Details: Depth (m)	Test Details: Results
MADE GROUND: Dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of brick, flint, glass, metal and mixed anthropogenic materials including tyres and hessian bags.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TT3	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 29/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown slightly clayey gravelly SAND. Gravel is angular to rounded fine to coarse flint, chalk, metal, brick, concrete, ash and wood. Frequent cobbles of angular concrete. Frequent branches of wood 1m in length.		2.00						
MADE GROUND: Dark brown slightly clayey gravelly SAND. Gravel is angular to rounded fine to coarse flint, chalk, metal, brick, concrete, ash and wood. Frequent cobbles of angular concrete. Frequent branches of wood 1m in length.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

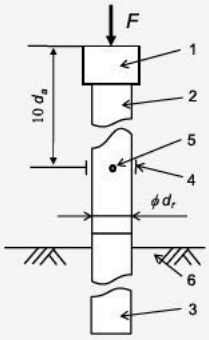
Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

SPT Calibration Report

www.equipegroup.com

Hammer Energy Measurement Report

Type of Hammer		SPT HAMMER
Client		GROUND TECHNOLOGY
Test No		EQU2056
Test Depth (m)		9.25
Mass of hammer	m =	63.5kg
Falling height	h =	0.76m
E_{theor} =	$m \times g \times h$ =	473J



Key

1 Anvil
2 Part of instrumented rod
3 Drive Rod
4 Strain Gauge
5 Accelerometer
6 Ground

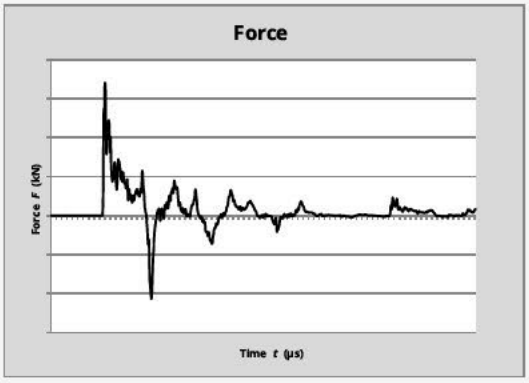
F Force
d_r Diameter of rod

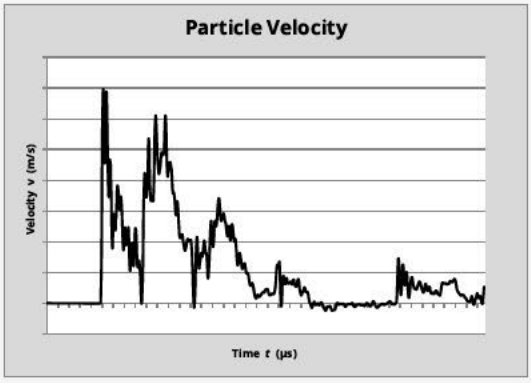
Fig. B.1 and B.2
BS EN ISO 22476-3 : 2005 + A1 : 2011

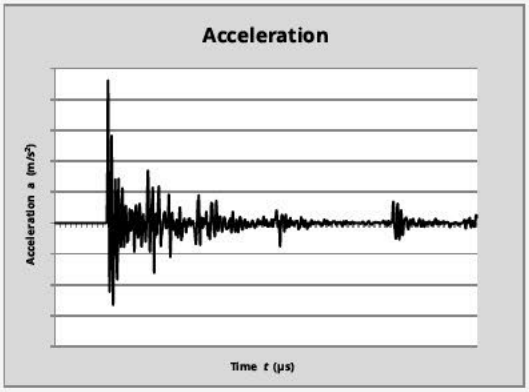
Characteristics of the instrumented rod

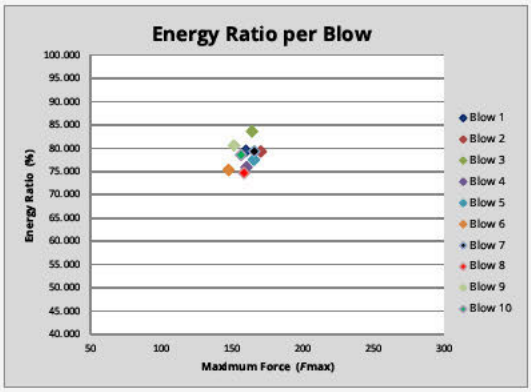
Diameter	d_r =	0.052 m
Length of instrumented rod		0.558 m
Area	A =	11.61 cm²
Modulus	E_a =	206843 MPa

DATE OF TEST	VALID UNTIL	HAMMER ID
06/04/2018	06/04/2019	CP5TH









Observations:
1.

E_{meas} =	**0.370**	kN-m
E_{theor} =	**0.473**	kN-m

Energy Ratio = $\frac{E_{meas}}{E_{theor}}$ (E_r) **78.13%**

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Equipe SPT Analy[redacted]AF

Prepared by:	[redacted]	**Checked by:**	[redacted]	**Date:**	**11/04/2018**

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Project No:	Hole ID:	Page:
17-1080.05	BH101	1 of 4

Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **17/12/2018 - 18/12/2018**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete		0.30	(0.30)	14.00			0.30	D				
MADE GROUND: Red brick		0.40	(0.10)	13.90								
MADE GROUND: Dark brown gravelly SAND. Gravel is angular fine to coarse of brick, chalk, clinker, ash and tarmacadam.		1.00	(0.60)	13.30			0.50 0.50 - 1.00 1.00	ES B ES				
MADE GROUND: Soft light brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is brick, chalk, clinker and tarmacadam.		2.50	(1.50)	11.80			1.10 1.20 - 1.65 1.70 - 2.00 2.00 - 2.45	D D B D		1.20 2.00	SPT(S)N=1 (1 for 75mm/1 for 75mm) SPT(S)N=4 (1 for 75mm/4 for 225mm)	
Medium dense brown clayey sandy angular to rounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.50	(1.00)	10.80		3.30 3.30	2.50 - 3.00 3.00 - 3.45	B D		3.00	SPT(C)N=11 (2,3/3,2,2,4)	
Medium dense brown slightly sandy angular to rounded fine to coarse GRAVEL of flint (RIVER TERRACE DEPOSITS GRANULAR)		5.50	(2.00)	8.80		3.80	3.50 - 4.00 4.00 - 4.45 4.00 - 4.50 5.00 - 5.45	B D B D		4.00 5.00	SPT(C)N=23 (2,3/5,5,6,7) SPT(C)N=11 (1,2/2,3,2,4)	
Brown angular to rounded fine to coarse SAND and GRAVEL.							5.50 - 6.00	B				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 20.15 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 3.30m bgl and sub-artesian water was encountered at 18.80 m bgl rising to 3.80 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		3.30 m 18.80 m	20 min 20 min	3.30 m 3.80 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445681.00 N118531.00	14.30	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 17/12/2018 - 18/12/2018	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Brown angular to rounded fine to coarse SAND and GRAVEL. (RIVER TERRACE DEPOSITS GRANULAR)		6.00	(0.50)	8.30								
Brown angular to rounded fine to predominantly coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		6.50	(0.50)	7.80								
Stiff grey CLAY with micro selenite crystals. (LONDON CLAY)							6.50 - 6.95	D		6.50	SPT(S)N=15 (2,2/2,4,4,5)	
							6.50 - 7.00	B				
							7.00	D				
							7.50 - 8.00	B				
							8.00	D		8.00		
							8.00 - 8.45	U				
							8.50	D				
			(4.50)				8.50 - 9.00	B				
					200		9.00	D				
							9.50 - 10.00	B		9.50	SPT(S)N=20 (2,3/4,5,5,6)	
							9.50 - 9.95	D				
							10.00	D				
							10.50 - 11.00	B				
		11.00		3.30								
Firm green sandy CLAY. Sand is black. (LONDON CLAY)							11.00	D		11.00		
							11.00 - 11.45	U				
							11.50 - 12.00	B				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 20.15 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 3.30m bgl and sub-artesian water was encountered at 18.80 m bgl rising to 3.80 m bgl after 20 minutes.

Water Stike: Date	Water Stike: Time	Water Stike: Strike	Water Level: Duration	Water Level: Standing	Chiselling: Depth (m)	Chiselling: Time (h:m)
		3.30 m 18.80 m	20 min 20 min	3.30 m 3.80 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445681.00 N118531.00	14.30	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		

Cable Percussive Borehole Log

Date: 17/12/2018 - 18/12/2018	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
Firm green sandy CLAY. Sand is black. (LONDON CLAY)		12.00	(1.00)	2.30								
Stiff grey sandy CLAY. (LONDON CLAY)							12.00	D				
							12.50 - 12.95	D		12.50	SPT(S)N=26 (3,4/6,6,6,8)	
							12.50 - 13.00	B				
							13.00	D				
							13.50 - 14.00	B				
							14.00	D		14.00		
							14.00 - 14.45	U				
							14.50	D				
			(6.50)				14.50 - 15.00	B				
							15.00	D				
							15.50 - 15.95	D		15.50	SPT(S)N=28 (3,4/5,7,7,9)	
							15.50 - 16.00	B				
							16.00	D				
							16.50 - 17.00	B				
							17.00	D		17.00		
							17.00 - 17.45	U				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 20.15 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 3.30m bgl and sub-artesian water was encountered at 18.80 m bgl rising to 3.80 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		3.30 m 18.80 m	20 min 20 min	3.30 m 3.80 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445681.00 N118531.00	14.30	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: BH101	Page: 4 of 4
Project: Eastleigh, Southampton		
Date: 17/12/2018 - 18/12/2018	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
Stiff grey sandy CLAY. (LONDON CLAY)							17.50	D				
							17.50 - 18.00	B				
							18.00	D				
		18.50		-4.20								
Soft grey very sandy CLAY. (LONDON CLAY)							18.50 - 18.95	D		18.50	SPT(S)N=50 (4,4/50 for 230mm)	
							18.50 - 19.00	B				
						18.80 ▼						
							19.00	D				
			(1.65)									
							20.00 - 20.15	D		20.00	SPT(S)50 (25 for 125mm/50 for 50mm)	
		20.15		-5.85								
Borehole complete at 20.15 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 20.15 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 3.30m bgl and sub-artesian water was encountered at 18.80 m bgl rising to 3.80 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		3.30 m	20 min	3.30 m		
		18.80 m	20 min	3.80 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445681.00 N118531.00	14.30	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: BH102	Page: 1 of 4
Project: Eastleigh, Southampton		
Date: 19/12/2018 - 20/12/2018	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Very dark brown gravelly SAND. Gravel is angular fine to coarse of brick, ash, weak density chalk and flint		0.40	(0.40)	14.00			0.20	D				
							0.40 - 0.80	B				
REWORKED NATURAL: Structureless CHALK composed of soft white slightly sandy slightly gravelly SILT. Sand is coarse chalk. Gravel is angular fine to coarse very weak low density chalk.		0.80	(0.40)	13.60								
MADE GROUND: Soft brown mottled black sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse flint, clinker, brick and tarmacadam.		1.70	(0.90)	12.70			0.90	D				
							1.20 - 1.65	D		1.20	SPT(C)N=8 (1,1/1,2,3,2)	
							1.20 - 1.70	B				
Soft brown slightly gravelly CLAY. Gravel is angular to rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(0.30)	12.40								
Medium dense and locally dense at 3.0m brown slightly sandy angular to rounded fine to predominantly coarse GRAVEL of flint. Becomes very sandy from 4m. (RIVER TERRACE DEPOSITS GRANULAR)							2.00 - 2.45	D		2.00	SPT(C)N=15 (1,3/3,4,4,4)	
							2.00 - 2.50	B				
							3.00 - 3.45	D		3.00	SPT(C)N=42 (4,6/8,10,12,12)	
							3.00 - 3.50	B				
			(3.00)			4.00 / 4.00	4.00 - 4.45	D		4.00	SPT(C)N=16 (3,4/3,4,5,4)	
							4.00 - 4.50	B				
		5.00		9.40								
Firm grey slightly gravelly sandy CLAY with micro selenite crystals. Gravel is angular fine to medium of flint. (LONDON CLAY)							5.00 - 5.45	D		5.00	SPT(S)N=11 (2,1/2,2,3,4)	
							5.00 - 5.50	B				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 18.45 m bgl due to sufficient sampling and data being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 4.00m bgl.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		4.00 m	20 min	4.00 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445678.00 N118458.00	14.40	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Date: 19/12/2018 - 20/12/2018	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Firm grey slightly gravelly sandy CLAY with micro selenite crystals. Gravel is angular fine to medium of flint. (LONDON CLAY)							6.00	D				
							6.00 - 6.50	B				
							6.50 - 6.95	D		6.50	SPT(S)N=21 (1,2/3,6,6,6)	
							7.00	D				
							7.00 - 7.50	B				
			(4.00)									
							8.00 - 8.45	D		8.00	SPT(S)N=18 (3,3/4,4,4,6)	
							8.00 - 8.50	B				
					200							
		9.00		5.40								
Stiff fissured grey CLAY with micro selenite crystals. Light grey bands (<5mm) of fine sand between 10m to 11m. Lenses (<20mm) of fine black sand below 12m. (LONDON CLAY)							9.00	D				
							9.00 - 9.50	B				
							9.50 - 9.95	U		9.50		
							10.00	D				
							10.00 - 10.50	B				
							11.00 - 11.45	D		11.00	SPT(S)N=21 (2,2/4,5,6,6)	
							11.00 - 11.50	B				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 18.45 m bgl due to sufficient sampling and data being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 4.00m bgl.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		4.00 m	20 min	4.00 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445678.00 N118458.00	14.40	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Cable Percussive Borehole Log

Date: 19/12/2018 - 20/12/2018	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Stiff fissured grey CLAY with micro selenite crystals. Light grey bands (<5mm) of fine sand between 10m to 11m. Lenses (<20mm) of fine black sand below 12m. (LONDON CLAY)			(5.00)				12.00	D				
							13.00 - 13.50	B				
		14.00		0.40								
Stiff with localised lenses of soft sandy grey CLAY with micro selenite crystals. (LONDON CLAY)			(2.50)				14.00 - 14.45	D		14.00	SPT(S)N=28 (4,6/28 for 225mm)	
							14.00 - 14.50	B				
							15.00	D				
							15.00 - 15.50	B				
							15.50 - 15.95	U		15.50		
							16.00	D				
							16.00 - 16.50	B				
		16.50		-2.10								
Stiff fissured grey CLAY with micro selenite crystals. (LONDON CLAY)							17.00	D		17.00		
							17.00 - 17.45	U				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 18.45 m bgl due to sufficient sampling and data being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 4.00m bgl.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		4.00 m	20 min	4.00 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445678.00 N118458.00	14.40	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Stiff fissured grey CLAY with micro selenite crystals. (LONDON CLAY)			(1.95)				17.50	D				
							18.00 - 18.45	D		18.00	SPT(S)N=27 (5,5/6,6,7,8)	
		18.45		-4.05								
Borehole complete at 18.45 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 18.45 m bgl due to sufficient sampling and data being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID SED8 (Er=69%). 9. Groundwater was encountered but had no movement at 4.00m bgl.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		4.00 m	20 min	4.00 m		

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445678.00 N118458.00	14.40	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **07/01/2019 - 08/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete		0.10	(0.10)	14.50								
MADE GROUND: Black very sandy amgular to subangular fine to coarse GRAVEL of clinker and slag with high ash content. Sand is fine to coarse.		0.40	(0.30)	14.20			0.30	D				
MADE GROUND: Soft orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of clinker, ash and coal.		1.60	(1.20)	13.00			0.30 - 0.70	B				
							0.30 - 0.70	ES				
							0.80	D				
							0.80 - 1.20	B				
							0.80 - 1.20	ES				
							1.50 - 1.95	D		1.50	SPT(S)N=7 (1,1/1,2,2,2)	
Very dense becoming dense below 5.50 m bgl yellowish brown sandy angular to rounded fine to coarse GRAVEL of flint. Sand is medium to coarse. Becomes less sandy and gravel particle size decreses with depth. (RIVER TERRACE DEPOSITS GRANULAR)			(4.60)				2.20	B				
										2.50	SPT(C)60 (21,4/60 for 150mm)	
							3.00	B				
						3.20						
										3.50	SPT(C)50 (17,8/50 for 225mm)	
							4.00	B				
										4.50	SPT(C)50 (15,10/50 for 225mm)	
							5.00	B				
						5.70				5.50	SPT(C)N=46 (12,12/12,10,12,12)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 19.95 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID DEL1 (). 9. Groundwater was encountered at 5.70 m bgl and rose to 3.20 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		5.70 m	20 min	3.20 m	2.2 - 3.5	02:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445689.00 N118503.00	14.60	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project No: **17-1080.05**

Hole ID: **BH103**

Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **07/01/2019 - 08/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
Very dense becoming dense below 5.50 m bgl yellowish brown sandy angular to rounded fine to coarse GRAVEL of flint. Sand is medium to coarse. Becomes less sandy and gravel particle size decreses with depth. (RIVER TERRACE DEPOSITS GRANULAR)		6.20		8.40	150		6.00	B				
							6.20	B				
Firm grey slightly sandy CLAY with microselenite crystals. Becomes mottled dark green with lenses (<20mm) of weakly cemented black sand from 12 m to 13 m. (LONDON CLAY)							7.00	B		7.00	SPT(S)N=22 (2,3/5,5,5,7)	
							7.00 - 7.45	D				
							8.00	B				
							8.50 - 8.95	D		8.50	SPT(S)N=22 (4,4/5,5,5,7)	
			(6.80)									
							9.00	B				
							10.00	B		10.00	SPT(S)N=25 (3,5/5,6,7,7)	
							10.00 - 10.45	D				
							11.00	B				
							11.50 - 11.95	D		11.50	SPT(S)N=26 (4,5/5,7,7,7)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 19.95 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID DEL1 (). 9. Groundwater was encountered at 5.70 m bgl and rose to 3.20 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		5.70 m	20 min	3.20 m	2.2 - 3.5	02:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445689.00 N118503.00	**14.60**	**Bowman Drilling**	**Dando 150**	**FH**	**DLJ**	**DLJ**	**1:30**

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Date: 07/01/2019 - 08/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
Firm grey slightly sandy CLAY with microselenite crystals. Becomes mottled dark green with lenses (<20mm) of weakly cemented black sand from 12 m to 13 m. (LONDON CLAY)							12.00	B				
		13.00		1.60								
Firm grey slightly sandy CLAY with lenses (<20mm) of light grey sand. (LONDON CLAY)							13.00	B		13.00	SPT(S)N=32 (4,5/7,7,9,9)	
							13.00 - 13.50	D				
							14.00	B				
							14.50 - 14.95	D		14.50	SPT(S)N=35 (3,5/7,9,9,10)	
							15.00	B				
			(6.95)									
							16.00	B				
							16.50 - 16.95	D		16.50	SPT(S)N=46 (5,7/9,11,13,13)	
							17.00	B				

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 19.95 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID DEL1 (). 9. Groundwater was encountered at 5.70 m bgl and rose to 3.20 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		5.70 m	20 min	3.20 m	2.2 - 3.5	02:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445689.00 N118503.00	14.60	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **07/01/2019 - 08/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Firm grey slightly sandy CLAY with lenses (<20mm) of light grey sand. (LONDON CLAY)							18.00	B		18.00	SPT(S)N=43 (6,7/7,9,13,14)	
							18.00 - 18.50	D				
							19.00	B				
							19.50 - 19.95	D		19.50	SPT(S)N=46 (8,8/9,11,13,13)	
		19.95		-5.35								
Borehole complete at 19.95 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 19.95 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID DEL1 (). 9. Groundwater was encountered at 5.70 m bgl and rose to 3.20 m bgl after 20 minutes.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
		5.70 m	20 min	3.20 m	2.2 - 3.5	02:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445689.00 N118503.00	14.60	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		

Cable Percussive Borehole Log

Date: 09/01/2019 - 10/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
MADE GROUND: Concrete.		0.15	(0.15)	14.34								
MADE GROUND: Blackish grey sandy angular to sub angular fine to coarse GRAVEL of brick, flint, clinker and concrete.		0.50	(0.35)	13.99								
Soft orangish brown gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(1.40)	12.59			1.20	B				
							1.50 - 1.95	D		1.50	SPT(S)N=10 (1,1/1,2,2,5)	
							1.90	B				
Soft orangish slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(0.10)	12.49			2.00	B				
Very dense orangish brown slightly sandy clayey angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(2.00)	10.49			3.00	B		2.50	SPT(C)50 (17,8/50 for 150mm)	
										3.50	SPT(C)50 (19,6/50 for 225mm)	
							4.00	B				
Very dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)			(2.40)							4.50	SPT(C)50 (21,4/50 for 150mm)	
							5.00	B				
										5.50	SPT(C)N=50 (12,12/13,13,14,10)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.50 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445706.00 N118509.00	14.49	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Cable Percussive Borehole Log

Date: 09/01/2019 - 10/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Very dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)							6.00	B				
		6.40		8.09								
Stiff grey slightly gravelly CLAY. Gravel is subangular to subrounded predominantly fine to coarse of flint. Below 9 m bgl microselenite crystals and brown mottling. (LONDON CLAY)					150		6.40	B				
							7.00 - 7.43	U		7.00		
							7.43 - 7.48	D				
							8.00	B				
			(4.10)				8.50 - 8.95	D		8.50	SPT(S)N=18 (3,3/4,4,4,6)	
							9.00	B				
							10.00	B		10.00		
							10.00 - 10.43	U				
		10.50		3.99			10.43 - 10.48	D				
Borehole complete at 10.50 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.50 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445706.00 N118509.00	14.49	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Date: 10/01/2019 - 14/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.25	(0.25)	13.48								
MADE GROUND: Black slightly sandy slightly gravelly CLAY. Sand is fine to coarse Gravel is angular to rounded fine to coarse of flint, concrete and coal. Moderate chemical odour.		0.40	(0.15)	13.33			0.30	ES		0.30	PID=0.6ppmv	
MADE GROUND: Firm dark brown slightly gravelly CLAY. Gravel is angular to rounded fine to coarse of flint with rare coarse subrounded low density chalk below 2m. Moderate hydrocarbon odour.			(2.10)				0.60	ES		0.60	PID=0.0ppmv	
							1.20 - 1.50	B				
							1.50 - 1.80	U		1.50		
							1.88 - 1.93	D				
Moderate hydrocarbon odour.							2.00	B				
							2.00	ES				
Soft brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	(0.40)	11.23			2.50 - 2.95	D		2.50	SPT(S)N=8 (2,2/2,2,2,2)	
							2.90	B				
Medium dense light brown slightly sandy angular to subrounded fine to predominantly coarse GRAVEL of flint. Sand is medium to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.90	(1.10)	10.83			3.00	B		3.50	SPT(C)N=28 (2,2/4,4,7,13)	
Dense light brown SAND AND GRAVEL. Sand is medium to coarse. Gravel is angular to subrounded fine to medium of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(2.10)	9.73			4.00	B		4.50	SPT(C)N=47 (3,5/9,12,12,14)	
							5.00	B		5.50	SPT(C)N=39 (6,7/9,9,9,12)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.40 m bgl due to required depth being achieved. 7. Borehole dual installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445988.00 N118021.00	13.73	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Date: 10/01/2019 - 14/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Dense light brown SAND AND GRAVEL. Sand is medium to coarse. Gravel is angular to subrounded fine to medium of flint. (RIVER TERRACE DEPOSITS GRANULAR)		6.10		7.63			6.10	B				
Firm thinly laminated greenish grey slightly sandy slightly gravelly clayey SILT with rare subrounded fine to coarse flint gravel. Laminations are horizontally orientated fine light grey sand. (LONDON CLAY)							7.00	B		7.00		
							7.00 - 7.25	U				
							8.00	B				
			(4.30)									
							8.50 - 8.95	D		8.50	SPT(S)N=20 (2,2/3,5,5,7)	
							9.00	B				
							10.00	B		10.00		
							10.00 - 10.32	U				
		10.40		3.33			10.32 - 10.40	D				
Borehole complete at 10.40 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.40 m bgl due to required depth being achieved. 7. Borehole dual installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445988.00 N118021.00	13.73	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Cable Percussive Borehole Log

Date: 15/01/2019 - 16/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details Depth (m)	Sample Details Type	Sample Details Ref	Test Details Depth (m)	Test Details Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.70								
MADE GROUND: Black gravelly SAND with lenses of soft brown clay. Gravel is angular to rounded fine to coarse of clinker, brick, concrete, tarmacadam and coal.		1.00	(0.80)	12.90			0.30 0.50 1.00 1.00	ES B B D				
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	(0.80)	12.10			1.80	B		1.50	SPT(C)N=26 (2,2/3,5,7,11)	
Dense orangish brown very sandy angular to rounded fine to coarse GRAVEL of flint. Gravel bcomes predominantly coarse below 6 m. (RIVER TERRACE DEPOSITS GRANULAR)			(5.45)				2.00 3.00 4.00 5.00	B B B B		2.50 3.50 4.50 5.50	SPT(C)N=47 (3,7/9,11,13,14) SPT(C)N=50 (3,9/10,13,13,14) SPT(C)N=48 (7,9/9,11,13,15) SPT(C)N=31 (3,3/4,7,11,9)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 7.25 m bgl due to possible flint cobble. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
					7.2	01:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446084.00 N117930.00	13.90	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 15/01/2019 - 16/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Dense orangish brown very sandy angular to rounded fine to coarse GRAVEL of flint. Gravel bcomes predominantly coarse below 6 m. (RIVER TERRACE DEPOSITS GRANULAR)							6.00	B				
							7.00	B		7.00	SPT(C)50 (12,12/50 for 150mm)	
		7.25		6.65	150							
Borehole complete at 7.25 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 7.25 m bgl due to possible flint cobble. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)
					7.2	01:00

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446084.00 N117930.00	13.90	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Cable Percussive Borehole Log

Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete		0.30	(0.30)	13.59								
MADE GROUND: Blackish brown very gravelly SAND. Gravel is angular to sub angular fine to coarse brick, flint, tarmacadam and clinker.		1.00	(0.70)	12.89								
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.40)	12.49								
Dense orangish brown slightly clayey sandy GRAVEL. Gravel is angular to sub rounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(2.60)	9.89						1.50 2.50 3.50	SPT(C)N=33 (2,3/7,7,8,11) SPT(C)50 (2,7/50 for 225mm) SPT(C)N=46 (3,5/7,9,13,17)	
Dense orangish brown very gravelly SAND. Gravel is sub angular to rounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)			(1.80)							4.50 5.50	SPT(C)N=32 (3,5/5,7,7,13) SPT(C)N=30 (2,5/5,6,7,12)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.00 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445849.00 N118146.00	13.89	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Dense orangish brown very gravelly SAND. Gravel is sub angular to rounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.80		8.09	150							
Firm grey thinly laminated slightly sandy CLAY. Sand is fine to coarse. (LONDON CLAY)			(4.20)							7.00	SPT(S)N=20 (2,2/3,5,5,7)	
		10.00		3.89						10.00	SPT(S)N=32 (3,5/5,7,9,11)	
Borehole complete at 10.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.00 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445849.00 N118146.00	13.89	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Date: 14/01/2019 - 15/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.40	(0.40)	13.40								
Firm orangish brown slightly gravelly CLAY with occasional lenses of fine to coarse sand. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(1.70)	11.70								
Dense orangish brown very sandy angular fine to coarse predominantly medium GRAVEL of flint with occasional lenses of soft orangish brown clay. Gravel becomes predominantly coarse below 4 m bgl. (RIVER TERRACE DEPOSITS GRANULAR)		5.70	(3.60)	8.10						2.50 3.50 4.50 5.50	SPT(C)N=49 (3,5/9,11,12,17) SPT(C)N=45 (3,7/9,9,13,14) SPT(C)N=32 (3,5/5,7,7,13) SPT(C)N=30 (2,5/5,6,7,12)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.45 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445925.00 N118043.00	13.80	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 14/01/2019 - 15/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Firm thinly laminated with fine light grey sand sandy CLAY. Lenses (<20mm) of fine light grey sand below 7 m bgl. (LONDON CLAY)					150							
										7.00	SPT(S)N=20 (2,2/3,5,5,7)	
			(4.30)									
		10.00		3.80								
Borehole complete at 10.00 m bgl.										10.00	SPT(S)N=30 (2,5/6,6,7,11)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole completed at 10.45 m bgl due to required depth being achieved. 7. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.8. SPT Hammer ID CP5TH (Er=78.13%). 9. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E445925.00 N118043.00	13.80	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 11/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Loose grey angular flint gravel overlying dark brown slightly sandy clayey angular to subangular fine to coarse GRAVEL of flint, brick, clinker and glass.		0.50	(0.50)	12.97								
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse predominantly medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(1.50)	11.47								
Soft orangish brown slightly gravelly sandy CLAY. Gravel is angular to subangular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.20	(0.20)	11.27								
Dense orangish brown SAND AND GRAVEL. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(1.80)	9.47						2.50 3.50	SPT(C)N=50 (2,4/12,12,13,13) SPT(C)N=49 (8,9/10,11,14,14)	
Dense orangish brown very gravelly SAND. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)			(2.10)							4.50 5.50	SPT(C)N=46 (5,9/9,11,13,13) SPT(C)N=50 (7,9/9,13,14,14)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole completed at 10.45 m bgl due required depth being achieved. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID CP5TH (Er=78.13%). 8. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446061.00 N117950.00	13.47	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Date: 11/01/2019	Client: Diageo Investment Fund Ltd	

Cable Percussive Borehole Log

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Dense orangish brown very gravelly SAND. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		6.10		7.37								
Firm becoming stiff below 8 m grey CLAY with microselenite crystals below 9 m. Becomes slightly gravelly below 9 m. Gravel is angular to subangular fine to coarse of flint. (LONDON CLAY)			(4.35)		150					7.00 10.00	SPT(S)N=18 (3,4/4,4,5,5) SPT(S)N=23 (4,4/4,5,7,7)	
		10.45		3.02								
Borehole complete at 10.45 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole completed at 10.45 m bgl due required depth being achieved. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID CP5TH (Er=78.13%). 8. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446061.00 N117950.00	13.47	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: BH111	Page: 1 of 2
Project: Eastleigh, Southampton		

Cable Percussive Borehole Log

Date: 16/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown clayey gravelly fine to coarse SAND with fragments of ceramic tile. Gravel is angular to subrounded fine to coarse of flint, brick, concrete, glass, clinker and coal.		1.00	(1.00)	12.95								
Firm orangy brown sandy gravelly CLAY. Gravel is angular to subrounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.70	(2.70)	10.25						2.50	SPT(S)N=6 (1 for 75mm/1,1,2,2)	
Dense light brown very sandy angular to subrounded fine to coarse predominatly medium GRAVEL of flint. Moderate hydrocarbon odour below 3.7 m. (RIVER TERRACE DEPOSITS GRANULAR)			(2.30)							3.70	PID=18.7ppmv	
										4.00	PID=20.0ppmv	
										4.50	SPT(C)N=30 (3,5/5,7,7,11)	
										5.00	PID=9.2ppmv	
										5.50	SPT(C)N=34 (3,5/5,7,11,11)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole completed at 10.45 m bgl due required depth being achieved. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID CP5TH (Er=78.13%). 8. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446012.00 N118060.00	13.95	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Cable Percussive Borehole Log

Date: 16/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
Dense light brown very sandy angular to subrounded fine to coarse predominatly medium GRAVEL of flint. Moderate hydrocarbon odour below 3.7 m. (RIVER TERRACE DEPOSITS GRANULAR)		6.00		7.95								
Firm thinly laminated greenish grey slightly sandy slightly gravelly clayey SILT with rare subrounded fine to coarse flint gravel. Laminations are horizontally orientated fine light grey sand. (LONDON CLAY)			(4.45)							7.00	SPT(S)N=19 (3,3/4,5,5,5)	
										10.00	SPT(S)N=24 (3,5/5,5,7,7)	
		10.45		3.50								
Borehole complete at 10.45 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole completed at 10.45 m bgl due required depth being achieved. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID CP5TH (Er=78.13%). 8. Groundwater was not encountered.

Water Stike			Water Level		Chiselling	
Date	Time	Strike	Duration	Standing	Depth (m)	Time (h:m)

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale (m):
E446012.00 N118060.00	13.95	Bowman Drilling	Dando 150	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **07/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
TOPSOIL: Grass covered dark brown slightly sandy CLAY with frequent rootlets. Sand is fine to coarse.		0.20	(0.20)	14.15								
Firm orangish brown slightly gravelly slightly sandy CLAY. Gravel is sub angular to sub rounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.50	(1.30)	12.85						1.20	SPT(S) N=10 (1,2/2,2,3,3)	
Firm orangish brown slightly sandy very gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	(1.00)	11.85						2.00	SPT(S) N=21 (7,6/5,6,4,6)	
Orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.70	(0.20)	11.65								
Loose becoming dense below 4.0 m greyish brown sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.70	(2.00)	9.65		3.50 ▼				3.00 4.00	SPT(S) N=9 (3,4/2,3,2,2) SPT(S) N=35 (6,5/8,10,11,6)	
Medium dense greyish brown slightly clayey sub angular to sub rounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR) *moderate hydrocarbon odour and sheen*		5.00	(0.30)	9.35						5.00	SPT(S) N=22 (4,4/4,5,6,7)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike: Date	Water Strike: Time	Water Strike: Depth Strike	Water Level: Duration	Water Level: Depth Water	Borehole Diameter: Depth Base	Borehole Diameter: Diameter
		3.50 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445710.00 N118604.00	14.35	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **07/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.14	(0.14)	14.18								
MADE GROUND: Blackish brown gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint, brick, slate, clinker and concrete. Two whole bricks encountered.		1.00	(0.86)	13.32								
MADE GROUND: Firm orangish brown mottled grey slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub angular fine to coarse brick and flint.		1.40	(0.40)	12.92						1.20	SPT(S) N=12 (1,2/4,3,2,3)	
MADE GROUND: Blackish brown sandy angular to sub angular fine to medium GRAVEL of flint, clinker, brick, wood and concrete.		1.85	(0.45)	12.47								
MADE GROUND: Structureless CHALK composed of soft white slightly sandy slightly gravelly SILT. Sand is coarse chalk. Gravel is angular fine to coarse very weak low density chalk.		2.00	(0.15)	12.32						2.00	SPT(S) N=4 (1,0/1,2,1,0)	
		2.10	(0.10)	12.22								
MADE GROUND: Blackish brown sandy GRAVEL. Gravel is angular to sub angular fine to medium flint, clinker, brick, wood and concrete.		2.37	(0.27)	11.95								
Loose light brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS GRANULAR)			(0.93)			3.00 ▼				3.00	SPT(S) N=6 (1,0/1,2,2,1)	
Soft brown slightly gravelly CLAY. Gravel is angular to rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.30		11.02								
Loose becoming very dense below 4.0 m light brown sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. Becoming blue below 4.5 m. (RIVER TERRACE DEPOSITS GRANULAR)		4.60	(1.30)	9.72						4.00	SPT(S) N=31 (2,2/2,23,3,3)	
Medium dense orange mottled green fine to coarse SAND. Moderate hydrocarbon odour. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(0.40)	9.32						5.00	SPT(S) N=30 (1,2/3,5,10,12)	
Moderate hydrocarbon odour. Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		3.00 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445690.00 N118555.00	14.32	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **12/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Reinforced concrete.		0.12	(0.12)									
MADE GROUND: Dark brown slightly clayey sandy GRAVEL. Gravel is angular to subangular fine to coarse brick		0.30	(0.18)									
MADE GROUND: Blackish brown gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint, brick, slate, clinker and concrete. Two whole bricks encountered.		1.10	(0.80)									
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	(1.20)									
Soft orangish brown very sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	(0.40)									
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.10	(0.40)									
Firm orangish brown slightly gravelly silty CLAY. Gravel is angular to subrounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.50	(0.40)									
Orangish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		4.95	(1.45)									
Greenish grey fine to coarse SAND. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.*			(1.05)									

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445690.00 N118555.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **12/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details			Test Details		Backfill
							Depth (m)	Type	Ref	Depth (m)	Results	
Greenish grey fine to coarse SAND. (RIVER TERRACE DEPOSITS GRANULAR)		6.00										
Borehole complete at 6.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445690.00 N118555.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **07/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.13	(0.13)	14.26								
REWORKED NATURAL: Firm grey slightly gravelly CLAY. Gravel is fine to medium angular to sub rounded of chalk.		0.30	(0.17)	14.09								
Firm orangish brown slightly gravelly silty CLAY with rare sub angular to sub rounded fine to medium flint gravel. (RIVER TERRACE DEPOSITS COHESIVE)		1.20	(0.90)	13.19						1.20	SPT(S) N=13 (4,4/3,3,3,4)	
Medium dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		1.80	(0.60)	12.59								
Medium dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR) *Becomes very sandy at 1.8 m bgl.*		3.50	(1.70)	10.89						2.00 3.00	SPT(S) N=25 (4,5/6,7,6,6) SPT(S) N=25 (7,5/3,3,7,12)	
Firm orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.70	(0.20)	10.69								
Medium dense becoming dense below 5 m orangish brown sandy angular to sub angular fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.30)	9.39		4.00 ▼				4.00	SPT(S) N=25 (6,6/6,6,6,7)	
Borehole complete at 5.00 m bgl.										5.00	SPT(S) N=37 (6,7/7,9,9,12)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings.7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike: Date	Water Strike: Time	Water Strike: Depth Strike	Water Level: Duration	Water Level: Depth Water	Borehole Diameter: Depth Base	Borehole Diameter: Diameter
		4.00 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445722.00 N118541.00	14.39	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **08/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.14	(0.14)	14.34								
MADE GROUND: Blackish grey sandy angular to sub angular fine to coarse GRAVEL of brick, flint, clinker and concrete.		0.40	(0.26)	14.08								
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.30	(0.90)	13.18						1.20	SPT(S) N=5 (1,1/1,2,1,1)	
Soft orangish brown slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.70	(0.40)	12.78								
Firm orangish brown very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(0.30)	12.48						2.00	SPT(S) N=18 (3,4/4,5,3,6)	
Medium dense orangish brown slightly clayey angular to sub rounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.50	(0.50)	11.98								
Dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.70	(1.20)	10.78		3.64 ▼				3.00	SPT(S) N=45 (8,11/13,13,10,9)	
Stiff orangish brown slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(0.30)	10.48						4.00	SPT(S) N=45 (11,13/11,10,10,14)	
Dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.70	(0.70)	9.78								
Stiff grey mottled brown very gravelly CLAY. Gravel is sub angular to sub rounded fine to coarse of flint. (LONDON CLAY)		5.00	(0.30)	9.48						5.00	SPT(S) N=18 (3,4/4,5,4,5)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		3.64 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445690.00 N118511.00	14.48	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **08/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Very dark brown gravelly fine to coarse SAND. Gravel is angular fine to coarse of brick, ash, weak density chalk and flint.		0.40	(0.40)	13.84								
REWORKED NATURAL: Structureless CHALK composed of soft white slightly sandy slightly gravelly SILT. Sand is coarse chalk. Gravel is angular fine to coarse very weak low density chalk.		1.20	(0.80)	13.04						1.20	SPT(S) N=15 (2,2/3,3,4,5)	
Firm orangish brown slightly gravelly very sandy CLAY. Gravel is sub angular to sub rounded fine to medium of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.20)	12.84								
Dense orangish brown slightly clayey very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.30	(0.90)	11.94						2.00	SPT(S) N=47 (8,9/10,12,11,14)	
Dense orangish brown very sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.70	(0.40)	11.54								
Soft orangish brown slightly sandy gravelly CLAY. Gravel is angular to rounded fine to medium of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.30)	11.24						3.00	SPT(S) N=37 (10,11/10,9,8,10)	
Dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.60	(0.60)	10.64		3.50 ▼						
Dense beoming medium dense below 5 m orangish brown slightly sandy GRAVEL. Gravel is angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.40)	9.24						4.00	SPT(S) N=43 (9,11/11,11,9,12)	
Borehole complete at 5.00 m bgl.										5.00	SPT(S) N=24 (6,3/3,6,6,9)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		3.50 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445680.00 N118549.00	14.24	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint, clinker, concrete, tarmacadam and brick. Sand is fine to coarse.		0.50	(0.50)	13.43								
Stiff orangish brown gravelly CLAY. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.10	(0.60)	12.83								
Stiff greyish brown very gravelly CLAY. Gravel is angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.70)	11.13						1.20 2.00	SPT(C) N=21 (5,4/4,6,6,5) SPT(C) N=28 (6,6/7,6,7,8)	
Medium dense orangish brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.10	(0.30)	10.83						3.00	SPT(C) N=30 (10,8/8,7,7,8)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.90)	8.93		3.90 ▼				4.00	SPT(C) N=41 (16,14/15,12,8,6)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=39 (8,8/10,11,10,8)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike: Date	Water Strike: Time	Water Strike: Depth Strike	Water Level: Duration	Water Level: Depth Water	Borehole Diameter: Depth Base	Borehole Diameter: Diameter
		3.90 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445678.00 N118313.00	13.93	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.85								
MADE GROUND: Blackish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of brick, concrete, clinker, wood and flint. Sand is fine to coarse.		0.30	(0.10)	13.75								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		0.80	(0.50)	13.25								
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(1.10)	12.15						1.20	SPT(C) N=28 (6,6/5,8,8,7)	
Very dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.40	(0.50)	11.65						2.00	SPT(C) N=50 (16,14/16,16,18,0)	
Medium dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.60)	11.05						3.00	SPT(C) N=14 (11,7/7,3,2,2)	
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445716.00 N118273.00	14.05	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.15	(0.15)	13.75								
MADE GROUND: Reddish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint and brick. *Frequent brick cobbles.*		1.10	(0.95)	12.80								
Borehole complete at 1.10 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.1 m bgl and terminated due to obstructing foundations.6. Borehole backfilled with arisings.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445781.00 N118208.00	13.90	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.19	(0.19)	14.21								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, flint, concrete and clinker. Sand is fine to coarse. *High brick cobble content.*		0.70	(0.51)	13.70								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes gravelly. Gravel is angular to sub rounded fine to coarse flint.* *Becomes sandy.*		2.00	(1.30)	12.40						1.20	SPT(C) N=8 (2,2/3,3,1,1)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(1.00)	11.40						2.00	SPT(C) N=47 (10,10/12,12,10,13)	
Borehole complete at 3.00 m bgl.										3.00	SPT(C) N=50 (15,17/17,16,14,3)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445766.00 N118178.00	14.40	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.76								
MADE GROUND: Blackish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of brick, concrete, clinker, wood and flint. Sand is fine to coarse.		0.60	(0.40)	13.36								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes slightly gravelly at 1.3 m bgl. Gravel is angular to sub rounded fine to coarse flint.*		1.90	(1.30)	12.06						1.20	SPT(S) N=6 (1,1/2,1,2,1)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.20	(0.30)	11.76						2.00	SPT(S) N=45 (8,8/9,14,10,12)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.50	(1.30)	10.46						3.00	SPT(S) N=50 (19,18/17,16,17,0)	
Borehole complete at 3.50 m bgl.										3.50	SPT(S) N=50 (50 for 75mm/50 for 75mm)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445791.00 N118187.00	13.96	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.15	(0.15)	13.74								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, concrete and flint.		0.60	(0.45)	13.29								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.50	(0.90)	12.39						1.20	SPT(S) N=7 (1,2/2,1,2,2)	
Firm orangish brown slightly sandy very gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(0.50)	11.89						2.00	SPT(S) N=37 (12,11/11,11,8,7)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.60	(0.60)	11.29								
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.30	(0.70)	10.59						3.00	SPT(S) N=50 (13,14/50 for 225mm)	
Borehole complete at 3.30 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445809.00 N118170.00	13.89	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of brick, flint, wood, slate and concrete.		0.60	(0.60)	13.79								
Firm orangish brown CLAY with evidence of bioturbation. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(1.50)	12.29						1.20	SPT(C) N=7 (2,2/2,1,2,2)	
Becomes gravelly at 1.6 m bgl . Gravel is angular to sub rounded fine to coarse flint.										2.00	SPT(C) N=40 (7,7/9,10,10,11)	
Dense slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.20	(0.10)	12.19								
Medium dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.80)	9.39						3.00	SPT(C) N=26 (7,5/7,6,6,7)	
										4.00	SPT(C) N=38 (11,10/8,11,10,9)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=21 (5,7/5,6,5,5)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445788.00 N118138.00	14.39	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.74								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, flint, concrete and clinker. Sand is fine to coarse.		0.60	(0.40)	13.34								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.30	(0.70)	12.64						1.20	SPT(C) N=9 (3,2/2,2,2,3)	
Becomes slightly gravelly at 1.2 m bgl. Gravel is angular to sub rounded fine to coarse flint.												
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(0.80)	11.84						2.00	SPT(C) N=29 (6,6/5,7,9,8)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.50	(1.40)	10.44						3.00	SPT(C) N=54 (12,12/14,13,13,14)	
Borehole complete at 3.50 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445829.00 N118212.00	13.94	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, clinker, flint and concrete. Sand is fine to coarse.		0.50	(0.50)	13.19								
Stiff orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.30	(0.80)	12.39						1.20	SPT(C) N=9 (3,3/3,2,2,2)	
Becomes slightly gravellyat 1.2 m bgl. Gravel is angular to sub rounded fine to coarse flint. Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(0.80)	11.59						2.00	SPT(C) N=37 (8,10/8,10,9,10)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.90)	10.69						3.00	SPT(C) N=37 (6,7/9,9,9,10)	
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 5. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445848.00 N118191.00	13.69	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint, clinker, concrete, tarmacadam and brick. Sand is fine to coarse.		0.60	(0.60)	14.02								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	(1.20)	12.82						1.20	SPT(C) N=12 (2,3/3,2,3,4)	
Becomes gravelly at 1.7 m bgl. Gravel is angular to sub rounded fine to coarse flint.												
Firm orangish brown very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	(0.70)	12.12						2.00	SPT(C) N=34 (7,8/7,8,9,10)	
Dense orangish brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.50)	9.62						3.00	SPT(C) N=40 (12,10/11,10,10,9)	
										4.00	SPT(C) N=33 (14,13/10,8,6,9)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=36 (8,8/10,11,8,7)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445860.00 N118176.00	14.62	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **17/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish brown sandy angular to sub angular fine to medium GRAVEL of flint, clinker, brick, wood and concrete.		0.60	(0.60)	13.03								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(1.50)	11.53						1.20	SPT(C) N=11 (3,2/3,3,3,2)	
Becomes slightly gravelly at 1.8 m bgl. Gravel is angular to sub rounded fine to coarse flint.										2.00	SPT(C) N=33 (8,9/9,8,8,8)	
Dense becoming medium dense below 4m orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.90)	8.63		4.30 ▼				3.00 4.00	SPT(C) N=38 (8,9/9,10,9,10) SPT(C) N=26 (5,6/6,7,6,7)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=11 (4,3/3,2,3,3)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Hole collapsed at 5 m bgl and no sample recovered below this depth. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		4.30 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445872.00 N118163.00	13.63	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.15	(0.15)	14.24								
MADE GROUND: Blackish brown sandy angular to sub angular fine to medium GRAVEL of flint, clinker, brick, wood and concrete.		0.60	(0.45)	13.79						0.30	PID=0.0ppmv	
Soft orangish brown mottled grey slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		0.75	(0.15)	13.64								
Soft orangish brown slightly gravelly CLAY. Gravel is sub angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)			(1.55)							1.20	SPT(S) N=7 (1,1/1,2,2,2)	
Becomes very gravelly at 1.8 m bgl.												
Becomes sandy at 2 m bgl		2.30		12.09						2.00	SPT(S) N=38 (2,2/8,11,9,10)	
Dense orangish brown slightly clayey sandy angular to subrounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.40	(0.10)	11.99						2.70	PID=0.1ppmv	
Dense becoming medium dense below 4.00 m orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.50	(2.10)	9.89						3.00	SPT(S) N=31 (4,5/6,7,8,10)	
										4.00	SPT(S) N=24 (7,8/8,7,5,4)	
Medium dense orangish brown mottled grey very gravelly CLAY. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(0.50)	9.39								
Borehole complete at 5.00 m bgl.										5.00	SPT(S) N=18 (2,4/4,5,4,5)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445823.00 N118115.00	14.39	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.13	(0.13)	13.88								
MADE GROUND: Brown sandy angular to rounded fine to coarse GRAVEL of flint, brick and quartz. Sand is fine to coarse. Becomes light brown below 0.2 m.		0.40	(0.27)	13.61								
Loose orangish brown gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		1.20	(0.80)	12.81						1.20	SPT(C) N=6 (3,2/2,1,1,2)	
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.20)	12.61								
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(1.20)	11.41						2.00	SPT(C) N=27 (5,5/6,6,7,8)	
Medium dense becoming dense below 4m orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.40)	9.01		4.40 ▼				3.00 4.00	SPT(C) N=22 (6,6/6,5,5,6) SPT(C) N=48 (12,14/13,13,11,11)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=32 (8,9/9,9,8,6)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		4.40 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445851.00 N118128.00	14.01	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.13	(0.13)	13.76								
MADE GROUND: Blackish brown sandy angular to sub angular fine to medium GRAVEL of flint, clinker, brick, wood and concrete.		0.50	(0.37)	13.39								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)			(1.60)							1.20	SPT(C) N=7 (2,1/2,2,1,2)	
Becomes gravelly at 1.8 m bgl.										2.00	SPT(C) N=24 (6,7/5,6,6,7)	
Medium dense becoming very dense below 3m orangish brown slightly clayey sandy GRAVEL. Gravel is angular to sub angular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.10	(1.20)	11.79						3.00	SPT(C) N=50 (25 for 100mm/50 for 230mm)	
Borehole complete at 3.30 m bgl.		3.30		10.59								

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445877.00 N118117.00	13.89	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.13	(0.13)	13.72								
MADE GROUND: Brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of concrete.		0.30	(0.17)	13.55								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, flint, concrete and clinker. Sand is fine to coarse.		0.70	(0.40)	13.15								
Firm orangish brown very sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		0.80	(0.10)	13.05								
Firm grey CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.10	(0.30)	12.75								
Soft grey CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	(1.20)	11.55						1.20 2.00	SPT(C) N=6 (1,2/2,2,1,1) SPT(C) N=6 (1,1/2,1,2,1)	
Dense grey slightly clayey sandy GRAVEL. Gravel is angular to sub angular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.* *Becomes orangish brown in colour.*		3.00	(0.70)	10.85						2.40 3.00	PID=10.3ppmv SPT(C) N=43 (12,14/13,12,9,9)	
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445922.00 N118111.00	13.85	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.18	(0.18)	13.80								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of clinker, brick, wood and concrete.		0.70	(0.52)	13.28								
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(1.20)	12.08						1.20	SPT(C) N=7 (1,2/1,2,2,2)	
Firm slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	(0.80)	11.28						2.00	SPT(C) N=30 (6,7/7,9,7,7)	
Medium dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.10	(0.40)	10.88						3.00	SPT(C) N=22 (6,7/6,6,5,5)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.50	(1.40)	9.48		4.00 ▼				4.00	SPT(C) N=32 (7,7/8,9,7,8)	
Firm mottled blue, grey and brown silty CLAY. (LONDON CLAY)		5.00	(0.50)	8.98						5.00	SPT(C) N=11 (2,3/3,3,2,3)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		4.00 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445905.00 N118089.00	13.98	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.13	(0.13)	13.81								
MADE GROUND: Blackish brown slightly clayey sandy angular to rounded fine to coarse GRAVEL of flint, brick, clinker, wood, concrete and glass.		0.60	(0.47)	13.34								
Firm orangish brown slightly sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.80)	12.54						1.20	SPT(C) N=6 (1,1/1,2,1,2)	
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(0.50)	12.04								
Very dense orangish brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.40	(0.50)	11.54						2.00	SPT(C) N=52 (10,14/14,13,12,13)	
Dense greyish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.*		3.00	(0.60)	10.94						3.00	SPT(C) N=47 (12,12/13,11,11,12)	
Dense orangish brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.00)	8.94						4.00	SPT(C) N=45 (10,11/11,11,10,13)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=21 (6,6/7,6,4,4)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445886.00 N118086.00	13.94	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **12/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Reinforced concrete.		0.15	(0.15)									
MADE GROUND: Blackish brown slightly clayey sandy GRAVEL. Gravel is angular to sub angular fine to coarse brick, concrete, flint, clinker and wood.		0.80	(0.65)									
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.60)									
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subangular fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.60	(0.20)									
Firm orangish brown slightly gravelly sandy CLAY. Gravel is angular to subrounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(0.30)									
Orangish brown slightly clayey sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.50	(0.60)									
Orangish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(1.50)									
Orangish brown slightly clayey GRAVEL. Gravel is angular to subangular fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(1.00)									
Orangish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)			(0.80)									

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445886.23 N118086.06		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **12/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details			Test Details		Backfill
							Depth (m)	Type	Ref	Depth (m)	Results	
Orangish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.80	(0.20)									
Stiff grey sandy CLAY. Sand is fine to coarse. (LONDON CLAY)		6.00										
Borehole complete at 6.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445886.23 N118086.06		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.17	(0.17)	13.68								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, clinker and concrete. Sand is fine to coarse.		0.70	(0.53)	13.15								
Soft grey slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)										1.20	SPT(C) N=2 (1,1/1,0,1,0)	
Becomes firm at 1.4 m bgl.												
			(1.90)							2.00	SPT(C) N=24 (1,2/3,5,7,9)	
		2.60		11.25								
Firm grey slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)			(0.40)									
Moderate hydrocarbon odour.		3.00		10.85						3.00	SPT(C) N=24 (6,6/6,7,5,6)	
Medium dense greyish orange slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)			(1.50)							4.00	SPT(C) N=15 (4,3/3,4,4,4)	
		4.50		9.35								
Medium dense orangish brown sandy angular to sub angular fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)			(0.50)									
		5.00		8.85						5.00	SPT(C) N=14 (3,3/3,3,4,4)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm an 19mm diameter standpipes, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445916.00 N118094.00	13.85	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.67								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, concrete, clinker, coal and wood.		0.60	(0.40)	13.27								
Firm grey slightly gravelly CLAY with occasional rootlets and evidence of bioturbation. Gravel is sub rounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		0.80	(0.20)	13.07								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes slightly gravelly at 1.3 m bgl. Gravel is angular to sub rounded fine to coarse flint.*		1.60	(0.80)	12.27						1.20	SPT(C) N=6 (0,1/1,1,2,2)	
Firm orangish brown slightly sandy very gravelly CLAY. Sand is fine to coarse. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	(0.20)	12.07								
Dense orangish brown slightly clayey slightly sandy angular to sub angular fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.20	(0.40)	11.67						2.00	SPT(C) N=35 (6,7/10,8,8,9)	
Dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(1.80)	9.87						3.00	SPT(C) N=33 (8,8/8,9,7,9)	
Firm greyish brown slightly sandy very gravelly CLAY. Gravel is angular to sub rounded fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(1.00)	8.87						4.00	SPT(C) N=15 (6,5/3,4,3,5)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=12 (2,1/2,3,3,4)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445916.00 N118062.00	13.87	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.08		13.67								
MADE GROUND: Light brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of concrete. Sand is fine to coarse.		0.20	(0.12)	13.55								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, concrete, slate, glass, clinker, coal and wood.		0.90	(0.70)	12.85								
Firm grey mottled brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.20	(0.30)	12.55						1.20	SPT(C) N=6 (1,1/2,1,1,2)	
Soft greyish brown CLAY with evidence of bioturbation. Becomes stiff and orangish brown below 1.5 m. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	(1.10)	11.45						2.20	SPT(C) N=15 (1,1/2,3,3,7)	
Firm slightly gravelly sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	(0.20)	11.25								
Dense orangish brown slightly clayey very gravelly SAND. Gravel is angular to sub angular fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.20	(0.70)	10.55						3.20	SPT(C) N=39 (14,12/11,10,10,8)	
Borehole complete at 3.20 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445945.00 N118088.00	13.75	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.70								
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of brick, concrete, clinker, coal and wood.		0.40	(0.20)	13.50								
Orangish brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		0.90	(0.50)	13.00								
Firm grey mottled brown slightly gravelly CLAY. Gravel is sub rounded medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.20	(0.30)	12.70						1.20	SPT(C) N=5 (1,1/1,1,1,2)	
Soft orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.50	(0.30)	12.40								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes sandy at 2.2 m bgl.* *Becomes gravelly at 2.4 m bgl.*		2.60	(1.10)	11.30						2.00	SPT(C) N=2 (1,1/1,0,1,0)	
Orangish brown slightly clayey SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.40)	10.90						3.00	SPT(C) N=11 (2,3/2,4,2,3)	
Medium dense becoming dense below 4m orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.00)	8.90						4.00	SPT(C) N=41 (12,11/10,12,9,10)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=11 (5,5/4,2,3,2)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445953.00 N118072.00	13.90	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.93								
MADE GROUND: Soft greyish brown slightly gravelly CLAY. Gravel is angular to sub rounded fine to coarse flint and brick.		0.30	(0.10)	13.83								
Firm orangish brown slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.30	(1.00)	12.83						1.20	SPT(C) N=8 (1,1/2,2,2,2)	
Firm orangish brown gravelly CLAY. Gravel is angular to rounded fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes sandy at 1.6 m bgl.*		1.70	(0.40)	12.43								
Dense orangish brown slightly sandy clayey GRAVEL. Gravel is angular to sub rounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.50	(0.80)	11.63						2.00	SPT(C) N=38 (6,7/8,9,11,10)	
Dense light brown SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.50)	11.13						3.00	SPT(C) N=32 (8,6/8,8,7,9)	
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole backfilled with arisings.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445891.00 N118056.00	14.13	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint, clinker, concrete, tarmacadam and brick. Sand is fine to coarse.		0.50	(0.50)	13.13								
Firm grey slightly sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		0.80	(0.30)	12.83								
Firm orangish brown mottled grey CLAY. (RIVER TERRACE DEPOSITS COHESIVE) *Becomes soft and slightly gravelly at 1.3 m bgl, mild solvent odour.*		1.40	(0.60)	12.23						1.20	SPT(C) N=7 (1,1/2,2,1,2)	
Firm orangish brown CLAY with rare coarse grained particles of sand. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	(0.90)	11.33						2.00	SPT(C) N=10 (1,1/2,3,2,3)	
Soft orangish brown slightly gravelly CLAY. Gravel is sub angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.40	(0.10)	11.23								
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(0.40)	10.83								
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.20)	10.63						3.00	SPT(C) N=48 (12,13/18,12,10,8)	
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446013.00 N118006.00	13.63	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.30	(0.30)	13.48								
Soft greyish brown slightly gravelly SILT with rare bioturbation of rootlets. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		0.50	(0.20)	13.28								
Soft orangish brown CLAY with rare sub angular fine to medium flint gravel. (RIVER TERRACE DEPOSITS COHESIVE)		1.10	(0.60)	12.68								
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	(0.70)	11.98						1.20	SPT(S) N=5 (0,1/1,1,1,2)	
Firm slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(0.80)	11.18						2.00	SPT(S) N=21 (3,4/3,4,7,7)	
Dense becoming medium dense below 4 m and loose below 5m light brown very gravelly fine to coarse SAND. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.40)	8.78						3.00	SPT(S) N=35 (6,7/8,8,10,9)	
										4.00	SPT(S) N=16 (3,4/3,4,3,6)	
Borehole complete at 5.00 m bgl.										5.00	SPT(S) N=8 (2,1/2,2,2,2)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445990.00 N118004.00	13.78	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019 - 11/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.20	(0.20)	13.62								
MADE GROUND: Orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint, brick, clinker and concrete.		0.70	(0.50)	13.12								
MADE GROUND: Orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint, brick, clinker and concrete. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	(1.40)	11.72						1.20 2.00	SPT(C) N=11 (1,2/2,3,2,4) SPT(C) N=35 (5,9/8,9,9,9)	
Dense orangish brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		2.50	(0.40)	11.32								
Dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(1.50)	9.82						3.00 4.00	SPT(C) N=48 (11,12/12,15,10,11) SPT(C) N=17 (4,5/4,4,3,6)	
Medium dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.00)	8.82						5.00	SPT(C) N=14 (3,3/3,4,4,3)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.7. SPT Hammer ID 110-99. Energy ratio 75%

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446023.00 N117973.00	13.82	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Loose Light grey angular coarse gravel overlying brown clayey gravelly SAND with occasional fragments of metal, ceramic tile and glass. Gravel is angular to rounded fine to coarse of flint, brick, concrete and tarmacadam.		0.50	(0.50)	13.02								
MADE GROUND: Dark brown mottled greenish grey slightly sandy slightly gravelly CLAY with occasional fragments of glass and wood. Gravel is angular fine to medium of brick, flint and coal.		1.00	(0.50)	12.52								
Soft becoming firm below 1.4 m orangish grey CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		1.90	(0.90)	11.62						1.20	SPT(C) N=2 (1,1/1,0,1,0)	
Dense orangish brown slightly clayey angular to subangular fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(1.10)	10.52						2.00	SPT(C) N=36 (6,8/8,9,9,10)	
Borehole complete at 3.00 m bgl.										3.00	SPT(C) N=33 (10,11/9,9,8,7)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446054.00 N117957.00	13.52	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Brown sandy angular to rounded fine to coarse GRAVEL of brick, cement, flint and tarmacadam. Sand is fine to coarse.		0.30	(0.30)	13.60						0.20	PID=0.8ppmv	
MADE GROUND: Dark brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint, clinker, concrete, tarmacadam and brick. Sand is fine to coarse.		1.20	(0.90)	12.70						0.50 1.00	PID=0.0ppmv SPT(C) N=9 (4,3/2,2,3,2)	
MADE GROUND: Firm dark grey slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of brick, flint and clinker.		1.40	(0.20)	12.50								
Stiff grey mottled brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(1.20)	11.30						2.00	SPT(C) N=15 (1,1/2,3,4,6)	
Stiff orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(2.40)	8.90		4.00 ▼				3.00 4.00	SPT(C) N=50 (25 for 100mm/50 for 270mm) SPT(C) N=21 (8,8/9,6,4,2)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=19 (5,5/4,5,6,4)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter
		4.00 m	20 min			

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446087.00 N117928.00	13.90	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Brown sandy angular to rounded fine to coarse GRAVEL of brick, concrete, flint and tarmacadam. Sand is fine to coarse.		0.40	(0.40)	13.64						0.30	PID=0.0ppmv	
MADE GROUND: Dark brown slightly clayey sandy angular to sub rounded fine to coarse GRAVEL of flint, clinker, concrete, tarmacadam and brick. Sand is fine to coarse.		1.20	(0.80)	12.84						0.50 1.00	PID=0.2ppmv SPT(C) N=11 (4,3/2,3,3,3)	
MADE GROUND: Firm dark brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint, brick and concrete. Sand is fine to coarse.		1.35	(0.15)	12.69								
Soft greyish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.45)	11.24						2.00	SPT(C) N=8 (2,1/2,2,2,2)	
Stiff slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.20)	11.04						3.00	SPT(C) N=38 (8,10/11,10,8,9)	
Dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.20	(1.20)	9.84						4.00	SPT(C) N=9 (5,4/4,2,2,1)	
Firm slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.30	(0.10)	9.74								
Stiff grey thinly laminated CLAY. (LONDON CLAY)		5.00	(0.70)	9.04						5.00	SPT(C) N=16 (4,5/4,3,5,4)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446097.00 N117942.00	14.04	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Orangish brown gravelly SAND. Gravel is angular to rounded fine to coarse of brick, flint and concrete.		0.10	(0.10)	14.04								
MADE GROUND: Brown slightly gravelly CLAY with frequent wood fragments and rare polystyrene fragments. Gravel is angular to rounded fine to coarse of brick, flint and tarmacadam.		1.30	(1.20)	12.84						0.20 0.70 1.20	PID=0.8ppmv PID=0.3ppmv SPT(S) N=2 (2,2/0,1,0,1)	
Soft grey slightly sandy CLAY. Sand is fine to coarse. Below 2.5 m becoming very sandy. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(1.30)	11.54						2.00	SPT(S) N=8 (1,2/1,2,2,3)	
Yellow slightly clayey gravelly SAND. Gravel is angular fine to predominantly coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.70	(0.10)	11.44								
Borehole complete at 2.70 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%. 7. Hole terminated at 2.7 m due to obstruction.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446113.00 N117922.00	14.14	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete with loose angular to rounded coarse GRAVEL of flint.		0.10	(0.10)	14.14								
MADE GROUND: Brown slightly gravelly CLAY with frequent glass fragments. Gravel is angular to rounded fine to coarse of flint, brick, concrete and coal.		1.50	(1.40)	12.74						0.40 0.50 1.20	PID=5.5ppmv PID=0.4ppmv SPT(S) N=8 (1,1/1,0,3,4)	
Soft becoming firm below 2 m greyish brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular fine to coarse flint. Orange oxidation staining below 3 m. (RIVER TERRACE DEPOSITS COHESIVE)		3.20	(1.70)	11.04						2.00 3.00	SPT(S) N=7 (1,1/1,2,2,2) SPT(S) N=29 (2,5/6,8,8,7)	
Medium dense grey sandy angular to rounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.80)	9.24						4.00 5.00	SPT(S) N=19 (7,5/5,5,5,4) SPT(S) N=9 (2,2/2,2,2,3)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446145.00 N117948.00	14.24	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish grey sandy angular to subangular fine to coarse GRAVEL of brick, flint, clinker, tarmacadam and concrete with fragments of metal and glass. Rare cobbles found below 0.3 m.		1.00	(1.00)	13.13								
MADE GROUND: Firm dark grey slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse of brick and flint.		1.70	(0.70)	12.43						1.20	SPT(C) N=4 (1,1/1,1,1,1)	
Firm greyish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	(1.00)	11.43						1.70 2.00 2.00 2.30	PID=0.0ppmv SPT(C) N=8 (1,1/2,2,2,2) PID=0.0ppmv PID=0.0ppmv	
Firm greyish brown slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.30)	11.13						3.00	SPT(C) N=45 (9,8/11,12,12,10)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.40	(0.40)	10.73								
Medium dense orangish brown very gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.50	(1.10)	9.63						4.00	SPT(C) N=21 (5,4/6,6,4,5)	
Medium dense slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.70	(0.20)	9.43								
Soft orangish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(0.30)	9.13						5.00	SPT(C) N=6 (1,2/1,2,1,2)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446105.00 N117955.00	14.13	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **10/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint, brick, clinker and concrete.		0.60	(0.60)	13.47								
MADE GROUND: Firm dark brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse flint, brick, glass and concrete. Sand is fine to coarse.		1.50	(0.90)	12.57						1.20	SPT(C) N=5 (1,1/1,1,1,2)	
Firm orangish brown CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.30)	11.27						2.00	SPT(C) N=5 (1,2/1,1,1,2)	
Firm orangish brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.20)	11.07						3.00	SPT(C) N=41 (9,10/11,11,10,9)	
Dense orangish brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.50	(0.50)	10.57								
Medium dense orangish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is sub angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.90	(1.40)	9.17						4.00	SPT(C) N=11 (4,3/2,3,3,3)	
Firm orangish brown slightly sandy slightly gravelly CLAY. Gravel is angular to sub angular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		5.00	(0.10)	9.07						5.00	SPT(C) N=17 (2,2/3,3,4,7)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446126.00 N117997.00	14.07	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish brown slightly clayey sandy GRAVEL. Gravel is angular to sub angular fine to coarse brick, concrete and flint.		0.60	(0.60)	13.32								
Soft grey gravelly CLAY. Gravel is angular to sub rounded fine to medium flint. (RIVER TERRACE DEPOSITS COHESIVE)		0.80	(0.20)	13.12								
Firm slightly gravelly CLAY. Gravel is angular to sub rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE) *Mild hydrocarbon odour.*		2.60	(1.80)	11.32						1.20 2.00	SPT(C) N=2 (1,1/1,0,1,0) SPT(C) N=6 (2,1/2,2,1,1)	
Firm grey gravelly CLAY. Gravel is angular to sub rounded fine to coarse flint and quartz. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(0.20)	11.12								
Dense greyish brown sandy angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.*		3.00	(0.20)	10.92						2.90 3.00	PID=19.2ppmv SPT(C) N=47 (11,10/10,12,12,13)	

Borehole complete at 3.00 m bgl.

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446058.00 N118056.00	13.92	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL is wood, clinker, concrete and brick. Sand is fine to coarse.		0.50	(0.50)	13.48								
MADE GROUND: Brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of concrete, brick and flint. Sand is fine to coarse.		1.20	(0.70)	12.78						1.20	SPT(C) N=3 (1,0/1,0,1,1)	
Firm orangish brown CLAY. Becomes grey below 1.6 m. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	(1.50)	11.28						2.00	SPT(C) N=6 (1,1/1,2,1,2)	
Firm slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.30)	10.98						3.00	SPT(C) N=44 (9,9/10,11,11,12)	
Dense orangish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.70	(0.70)	10.28								
Medium dense brownish grey SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)										3.80	PID=208.0ppmv	
Strong hydrocarbon odour.										4.00	SPT(C) N=16 (5,5/5,4,3,4)	
Gravel is grey in colour.		4.90	(1.20)	9.08						4.50	PID=140.0ppmv	
Medium dense greyish brown slightly clayey sandy sub angular to sub rounded GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(0.10)	8.98						5.00	SPT(C) N=17 (4,5/4,4,4,5)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446022.00 N118060.00	13.98	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Blackish brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL is wood, clinker, concrete and brick. Sand is fine to coarse.		0.50	(0.50)									
MADE GROUND: Brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of concrete, brick and flint. Sand is fine to coarse.		1.20	(0.70)									
Firm orangish brown slightly gravelly CLAY. Gravel is angular to sub rounded fine flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.70	(0.50)									
Firm brownish grey CLAY with evidence of bioturbation. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.10)									
Firm grey gravelly CLAY. Gravel is angular to sub rounded fine to coarse flint and quartz. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.20)									
Greyish brown slightly clayey sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.40	(0.40)									
Orangish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.*		4.30	(0.90)									
Grey sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(0.70)									
Firm grey silty CLAY. (LONDON CLAY)			(1.00)									

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446022.00 N118060.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details			Test Details		Backfill
							Depth (m)	Type	Ref	Depth (m)	Results	
Firm grey silty CLAY. (LONDON CLAY)		6.00										
Borehole complete at 6.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446022.00 N118060.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **16/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete.		0.40	(0.40)	13.55								
MADE GROUND: Firm dark grey mottled brown gravelly CLAY. Gravel is angular to sub angular fine to coarse brick, wood, flint and concrete.		0.60	(0.20)	13.35								
Soft orangish brown mottled grey slightly gravelly CLAY with evidence of bioturbation. Gravel is sub angular to rounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(2.00)	11.35						1.20 2.00	SPT(C) N=3 (1,1/1,0,1,1) SPT(C) N=5 (1,2/1,1,1,2)	
Firm greyish brown slightly sandy gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(0.20)	11.15								
Dense greyish brown slightly clayey sandy sub angular to sub rounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.20	(0.40)	10.75						3.00	SPT(C) N=42 (8,8/10,11,11,10)	
Medium dense greyish brown SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to sub angular fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR) *Moderate hydrocarbon odour.*		5.00	(1.80)	8.95						3.80 4.00	PID=104.0ppmv SPT(C) N=20 (5,5/6,5,5,4)	
Borehole complete at 5.00 m bgl.										5.00	SPT(C) N=25 (5,6/5,7,7,6)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 7. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445996.00 N118074.00	13.95	Delta Drilling	Premier 110	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Concrete		0.13	(0.13)									
MADE GROUND: Brown slightly clayey sandy angular to sub angular fine to coarse GRAVEL of concrete, brick and flint. Sand is fine to coarse.		1.10	(0.97)									
Firm orangish brown slightly gravelly CLAY. Gravel is subangular to rounded fine flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.40	(0.30)									
Firm greyish brown slightly gravelly CLAY. Gravel is angular to subrounded fine flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	(0.90)									
Firm grey very sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.60	(0.30)									
Greyish brown slightly clayey sandy GRAVEL. Gravel is angular to subangular fine to coarse flint. (RIVER TERRACE DEPOSITS GRANULAR)		2.80	(0.20)									
Orangish brown gravelly SAND. Gravel is angular to subrounded fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.70	(0.90)									
Brownish grey SAND and GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR) *Strong hydrocarbon odour.*			(2.10)									

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445996.00 N118074.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **11/02/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details			Test Details		Backfill
							Depth (m)	Type	Ref	Depth (m)	Results	
Brownish grey SAND and GRAVEL. Gravel is angular to subangular fine to coarse flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.80	(0.20)									
Firm grey silty CLAY. (LONDON CLAY)		6.00										
Borehole complete at 6.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole location cored prior to drilling. 5. Location hand-pitted to 1.2 m bgl. 6. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445996.00 N118074.00		Sherwood Drilling	Geotool	CF	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **08/01/2019 - 09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly clayey sandy angular to subrounded fine to coarse GRAVEL of flint, concrete, brick, tarmacadam with rare fragments of metal. Low cobble content of concrete.		0.30	(0.30)	13.81								
MADE GROUND: Blackish grey slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint, concrete, glass and brick.		1.00	(0.70)	13.11								
Soft orangish brown slightly sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	(1.00)	12.11						1.20	SPT(S) N=5 (1,2/1,2,1,1)	
Stiff orangish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is angular to subrounded of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.20	(0.20)	11.91						2.00	SPT(S) N=5 (1,2/1,2,1,1)	
Medium dense orangish brown angular to round fine to coarse SAND AND GRAVEL. Sand is fine to coarse. Gravel is fine to coarse angular to subangular of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	(0.80)	11.11						3.00	SPT(S) N=29 (3,6/7,8,6,8)	
Soft orangy brown very sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.50	(0.50)	10.61								
Blueish grey fine to coarse SAND. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	(0.50)	10.11						4.00	SPT(S) N=2 (1,0/1,0,0,1)	
Very loose blackish grey sandy angular to subrounded fine to coarse GRAVEL of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(1.00)	9.11						5.00	SPT(S) N=14 (1,1/1,4,4,5)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole backfilled with arisings. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446172.00 N117935.00	14.11	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly clayey sandy angular to subrounded fine to coarse GRAVEL of flint, concrete, brick, tarmacadam with rare fragments of metal. Occasional cobbles of concrete.		0.30	(0.30)	13.58						0.20	PID=0.0ppmv	
MADE GROUND: Blackish grey slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint, concrete, glass and brick.		1.00	(0.70)	12.88						0.40	PID=0.7ppmv	
Soft greyish brown slightly sandy slightly gravelly CLAY with occasional rootlets. Gravel is angular to subrounded fine to medium of flint. Below 1.5 m orange mottling with bioturbation. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	(0.80)	12.08						1.20	SPT(S) N=5 (2,2/1,1,2,1)	
Stiff orangish brown slightly sandy CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.00)	11.08						2.00	SPT(S) N=8 (2,2/2,2,2,2)	
Stiff sandy very gravelly CLAY. Gravel is angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	(0.20)	10.88						3.00	SPT(S) N=50 (8,10/50 for 280mm)	
Very dense becoming medium dense below 4m orangish brown angular to round fine to coarse SAND AND GRAVEL. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		5.00	(2.00)	8.88						4.00	SPT(S) N=15 (4,5/4,4,4,3)	
Borehole complete at 5.00 m bgl.										5.00	SPT(S) N=22 (3,5/5,5,5,7)	

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446165.00 N117910.00	13.88	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **09/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Dark brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of brick, flint and concrete.		0.50	(0.50)	13.49								
MADE GROUND: Dark brown slightly clayey gravelly SAND. Gravel is angular to subangular fine to coarse of brick, flint and concrete.		1.00	(0.50)	12.99								
MADE GROUND: Stiff dark grey gravelly CLAY. Gravel is angular fine to medium of red brick and flint.		1.30	(0.30)	12.69						1.20 1.30	SPT(S) N=7 (2,2/2,1,2,2) PID=0.4ppmv	
MADE GROUND: Blackish grey slightly clayey sandy angular to subangular fine to coarse GRAVEL of clinker and concrete with fragments of ceramic tiles.		1.40	(0.10)	12.59								
Firm grey slightly gravelly CLAY. Gravel is angular to subangular fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	(1.40)	11.19						2.00	SPT(S) N=7 (1,1/1,2,2,2)	
Firm greyish brown slightly sandy very gravelly CLAY. Gravel is angular to sub angular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.50	(0.70)	10.49						3.00	SPT(S) N=35 (1,3/6,9,10,10)	
Orangish brown slightly clayey sandy angular to subrounded fine to coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.60	(0.10)	10.39								
Very loose light brown SAND AND GRAVEL. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		4.40	(0.80)	9.59						4.00	SPT(S) N=2 (3,2/2,0,0,0)	
Soft orangish brown slightly sandy CLAY. Sand is fine to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		4.80	(0.40)	9.19								
Firm dark grey CLAY. (LONDON CLAY)		5.00	(0.20)	8.99						5.00	SPT(S) N=9 (1,1/2,2,2,3)	
Borehole complete at 5.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Location hand-pitted to 1.2 m bgl. 5. Borehole installed with 50mm diameter standpipe, gas bung and traffic strength flush cover. 6. SPT Hammer ID 110-99. Energy ratio 75%.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446162.00 N117974.00	13.99	Delta Drilling	Premier 110	FH	DLJ	DLJ	1:30

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Date: 17/12/2018	Client: Diageo Investment Fund Ltd	

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Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Black slightly gravelly sandy CLAY. Gravel is angular to sub-rounded fine to coarse flint, brick and clinker.		0.40	(0.40)	15.20								
REWORKED NATURAL: Very soft brown slightly gravelly CLAY. Gravel is angular fine to coarse flint. Becomes slightly sandy and very gravelly from 2.5m.		3.00	(2.60)	12.60								
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole completed at 3.00 m bgl due to required depth being achieved. 5. Borehole backfilled with arisings. 6. Borehole completed on side of embankment.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445686.00 N118509.00	15.60	Delta Drilling	Hand Tools	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Dynamic Sampler Log

Date: **17/12/2018**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Black slightly gravelly sandy CLAY. Gravel is angular to sub-rounded fine to coarse flint, brick and clinker.		0.20	(0.20)	15.50								
REWORKED NATURAL: Very soft brown slightly gravelly CLAY. Gravel is angular fine to coarse flint. Becomes slightly sandy and very gravelly from 2.5m.		3.00	(2.80)	12.70								
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole completed at 3.00 m bgl due to required depth being achieved. 5. Borehole backfilled with arisings. 6. Borehole completed in embankment.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445681.00 N118493.00	15.70	Delta Drilling	Hand Tools	FH	DLJ	DLJ	1:30

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Description of Strata	Legend	Strata Depth (m bgl)	Strata Thickness (m)	Reduced Level (mAOD)	Casing Diameter (mm)	Water	Sample Details: Depth (m)	Sample Details: Type	Sample Details: Ref	Test Details: Depth (m)	Test Details: Results	Backfill
MADE GROUND: Soft black slightly gravelly sandy CLAY. Gravel is angular to sub-rounded fine to coarse of flint, brick and clinker.		0.40	(0.40)	15.30								
REWORKED NATURAL: Very soft brown slightly gravelly CLAY. Gravel is angular fine to coarse flint. Becomes slightly sandy very gravelly below 2.5m.		3.00	(2.60)	12.70								
Borehole complete at 3.00 m bgl.												

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Borehole completed at 3.00 m bgl due to required depth being achieved. 5. Borehole backfilled with arisings. 6. Borehole completed on side of embankment.

Water Strike			Water Level		Borehole Diameter	
Date	Time	Depth Strike	Duration	Depth Water	Depth Base	Diameter

Coordinates:	Elevation (mAOD):	Drilled By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445672.00 N118462.00	15.70	Delta Drilling	Hand Tools	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 17/12/2018	Client: Diageo Investment Fund Ltd	

Hand Dug Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown gravelly very clayey SAND. Gravel is angular to rounded fine to coarse of flint, tarmacadam and brick and with fragements of glass.		0.20	14.10					
REWORKED NATURAL: Soft brown CLAY.		0.36	13.94					
Hand pit complete at 0.36 m bgl.								

Dimensions and Orientation:

Bearing:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Base of retaining wall was observed at surface level. 5. Hand pit taken to the depth of 0.36 m due to the abscence of underlying foundations.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445673.00 N118461.00	14.30	Delta Drilling	Hand Tools	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 17/12/2018	Client: Diageo Investment Fund Ltd	

Hand Dug Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown gravelly very clayey SAND. Gravel is angular to rounded fine to coarse of flint, tarmacadam and brick and with fragements of glass.		0.20	14.40					
REWORKED NATURAL: Soft brown CLAY.		0.50	14.10					
Hand pit complete at 0.50 m bgl.								

Dimensions and Orientation:

Bearing:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to drilling. 3. Elevation and location data obtained from GPS survey. 4. Base of retaining wall was observed at surface level. 5. Hand pit taken to the depth of 0.5 m due to the abscence of underlying foundations.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E445688.00 N118509.00	14.60	Delta Drilling	Hand Tools	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Trial Pit Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint, brick, tarmacadam, clinker, concrete, ceramic, glass and metal.		0.30	13.24					
Stiff orangish brown slightly gravelly CLAY. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	11.54				0.50	HV=85 kPa
							0.80	HV=75 kPa
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.30 m

Width = 0.60 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 2 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered. 7. Trial pit underwent soakaway testing.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446100.00 N117992.00	13.54	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 15/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown gravelly SAND. Gravel is angular to subrounded fine to coarse of flint, ceramic, metal, plastic, wood and brick.		0.70	13.20					
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse predominantly medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		1.60	12.30					
Firm greyish brown slightly gravelly SILT. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	11.80					
Firm brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	11.40					
Yellowish light brown slightly clayey very gravelly SAND. Gravel is angular to subrounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.05	10.85					
Trial pit complete at 3.05 m bgl.								

Dimensions and Orientation:

Length = 1.80 m

Width = 0.60 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 3.05 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered. 7. Trial pit underwent soakaway testing.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446075.00 N118049.00	13.90	Cutler Plant	JCB	BC	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

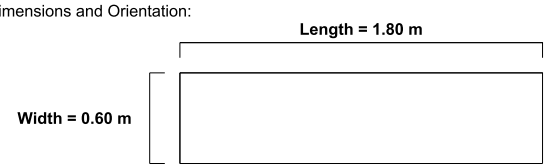
Trial Pit Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown slightly clayey gravelly SAND. Gravel is angular to subrounded fine to coarse of flint, brick, concrete and clinker.		0.20	13.81					
MADE GROUND: Blackish brown sandy angular to subrounded fine to predominantly coarse GRAVEL of clinker, coal, slag. Slight hydrocarbon odour.		0.75	13.26				0.40	PID=0.00ppmv
Firm greyish brown sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	11.51					
Greyish brown clayey gravelly SAND. Gravel is angular to subrounded fine to coarse of flint. Strong hydrocarbon odour below 2.5 m. (RIVER TERRACE DEPOSITS GRANULAR)		3.00	11.01				2.70	PID=47.30ppmv
Trial pit complete at 3.00 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 3 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered. 7. Trial pit underwent soakaway testing.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446035.00 N118046.00	14.01	Cutler Plant	JCB	BC	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Hand Dug Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Orangish brown slightly sandy clayey angular to rounded fine to coarse GRAVEL of flint and plastic.		0.10						
MADE GROUND: Brownish orange slightly sandy gravelly CLAY with rootlets. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of flint, red brick, tarmacadam, ceramics and plastic.		0.50						
Hand pit complete at 0.50 m bgl.								

Dimensions and Orientation:

Length = 0.50 m

Width = 0.50 m

Bearing:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Delta-Simons	Plant Used: Hand Tools	Logged: BC	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Hand Dug Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown gravelly friable CLAY with rootlets. Gravel is angular to rounded fine to coarse of flint, plastic, red brick and tarmacadam.		0.50						
Hand pit complete at 0.50 m bgl.								

Dimensions and Orientation:

Length = 0.50 m

Width = 0.50 m

Bearing:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Delta-Simons	Plant Used: Hand Tools	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Hand Dug Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Orangish brown slightly sandy gravelly friable CLAY. Sand is fine to coarse. Gravel is angular to rounded of flint, red brick, plastic, metal and polystyrene.		0.50						
Hand pit complete at 0.50 m bgl.								

Dimensions and Orientation:

Length = 0.50 m

Width = 0.50 m

Bearing:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Delta-Simons	Plant Used: Hand Tools	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project: **Eastleigh, Southampton**

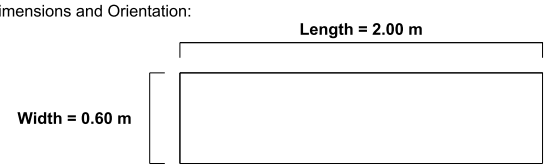
Trial Pit Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown gravelly very sandy CLAY with fragments of plastic and metal. Gravel is angular to rounded fine to coarse of brick, slate tile, concrete, glass and flint.		0.40	13.13				0.40	HV=130 kPa
Stiff orangish brown slightly gravelly CLAY with medium gravel sized black organic material. Gravel is angular fine to coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.00	11.53					
Orangish brown sandy angular to subrounded fine to predominantly coarse GRAVEL of flint. Locally clayey below 3 m. (RIVER TERRACE DEPOSITS GRANULAR)		3.30	10.23					
Trial pit complete at 3.30 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 3.3 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446087.00 N117985.00	13.53	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		

Trial Pit Log

Date: 14/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse of flint, brick, concrete, coal, wood, glass, chalk and clinker. Rare cobbles of slag.		0.40	13.10					
Firm orangish brown slightly gravelly CLAY with slight organic odour. (RIVER TERRACE DEPOSITS COHESIVE)		1.80	11.70				0.60 1.00	HV=84 kPa HV=75 kPa
Firm orangish sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. Becomes very gravelly below 2.4m. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	10.80					
Trial pit complete at 2.70 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 0.80 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 2.7 m bgl due to historic pipe at base. 5. Excavation reinstated with arising. 6. Groundwater was not encountered.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446127.00 N118015.00	13.50	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown angular fine to coarse GRAVEL of flint, glass, brick, and concrete.		0.40	13.23					
Stiff orangish brown sandy gravelly CLAY. Gravel is angular fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	10.93					
Orangish brown sandy angular to rounded fine to predominantly coarse GRAVEL of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.30	10.33					
Trial pit complete at 3.30 m bgl.								

Dimensions and Orientation:

Length = 1.80 m

Width = 0.60 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 3.3 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446073.00 N117999.00	13.63	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: Eastleigh, Southampton		
Date: 14/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown angular fine to coarse GRAVEL of flint, glass, brick, and concrete.		0.30	13.23					
Firm orangish brown sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. Becomes slightly sandy below 2.3m. (RIVER TERRACE DEPOSITS COHESIVE)		2.50	11.03				0.60 1.10	HV=70 kPa HV=40 kPa
Orangish brown sandy angular fine to coarse GRAVEL of flint. Becomes very sandy below 3 m. (RIVER TERRACE DEPOSITS GRANULAR)		3.80	9.73					
Orangish brown SAND AND GRAVEL. Sand is fine to coarse. Gravel is angular to rounded fine to coarse of flint. Rare flint cobbles. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	9.53	3.90 ▼				
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Length = 1.80 m

Width = 0.70 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 4 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was encountered at 3.9m bgl.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446098.00 N117994.00	13.53	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

Trial Pit Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown slightly clayey gravelly SAND. Gravel is angular to subangular fine to coarse of brick, flint, coal, tarmacadam, wood, metal, glass, plastic, ceramic and concrete.		0.40	13.27					
Stiff greyish brown slightly gravelly clayey SILT with occasional medium gravel sized organic material. Gravel is angular to subrounded fine to coarse of flint. Slight organic odour. (RIVER TERRACE DEPOSITS COHESIVE)		0.60	13.07				0.50	HV=90 kPa
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. Gravel becomes predominantly coarse below 1.6 m. (RIVER TERRACE DEPOSITS COHESIVE)		2.10	11.57					
Firm orangish brown sandy gravelly CLAY. Gravel is angular to subrounded fine to predominantly coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.70	10.97					
Orangish brown sandy angular to subrounded fine to predominantly coarse GRAVEL of flint. Sand is fine to coarse. Rare flint cobbles. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	9.67	3.90 ▼				
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Length = 1.90 m

Width = 0.60 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 4 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was encountered at 3.9 m.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446086.00 N118036.00	13.67	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

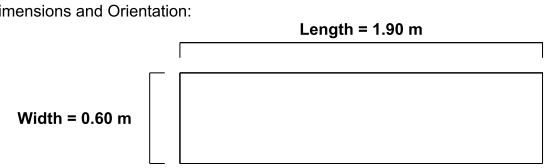
Trial Pit Log

Date: **14/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Brown sandy angular fine to medium GRAVEL of clinker and flint.		0.20	13.47					
MADE GROUND: Dark brown slightly gravelly friable CLAY. Gravel is angular to rounded fine to coarse of brick, coal, clinker, concrete, flint, metal and glass.		0.40	13.27					
Firm orangish brown slightly gravelly CLAY. Gravel is angular to subrounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.30	11.37				0.60 1.00	HV=78 kPa HV=58 kPa
Firm orangish brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse of flint. Sand is fine to coarse. (RIVER TERRACE DEPOSITS COHESIVE)		3.20	10.47					
Light brown sandy angular to subrounded fine to predominantly coarse GRAVEL of flint. Sand is medium to coarse. (RIVER TERRACE DEPOSITS GRANULAR)		3.30	10.37					
Trial pit complete at 3.30 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 3.3 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446109.00 N118035.00	13.67	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project: **Eastleigh, Southampton**

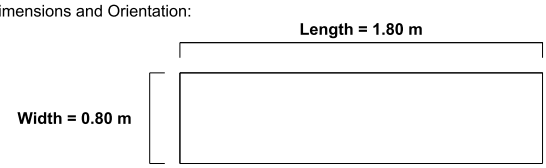
Trial Pit Log

Date: **15/01/2019**

Client: **Diageo Investment Fund Ltd**

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown slightly sandy slightly gravelly CLAY with lense of yellow fine sand. Gravel is angular to subrounded fine to coarse of flint, low density chalk, brick, coal, clinker and wood.		0.40	13.60					
Firm orangish brown sandy gravelly CLAY with medium gravel sized organic material. Gravel is angular to subrounded fine to medium of flint. (RIVER TERRACE DEPOSITS COHESIVE)		2.80	11.20					
Light brown sandy gravelly CLAY. Gravel is angular to subrounded fine to predominantly coarse of flint. (RIVER TERRACE DEPOSITS COHESIVE)		3.00	11.00					
Light brown SAND and GRAVEL. Sand is fine to coarse. Gravel is angular to sub rounded fine to coarse of flint. (RIVER TERRACE DEPOSITS GRANULAR)		3.50	10.50				3.30	PID=5.00ppmv
Light grey very sandy angular to subrounded fine to coarse GRAVEL of flint. Strong hydrocarbon odour below 3.5 m. (RIVER TERRACE DEPOSITS GRANULAR)		4.00	10.00				4.00	PID=72.60ppmv
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area cleared for services prior to excavation. 3. Elevation and location data obtained from GPS survey. 4. Trial pit completed at 4 m bgl due required depth being achieved. 5. Excavation reinstated with arising. 6. Groundwater was not encountered.

Coordinates:	Elevation (mAOD):	Excavated By:	Plant Used:	Logged:	Checked:	Approved:	Scale:
E446017.00 N118058.00	14.00	Cutler Plant	JCB	FH	DLJ	DLJ	1:30

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Project No: 17-1080.05	Hole ID: TP115	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 15/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of fly tip waste comprising 80% and 20% matrix. Fly tip materials include 70% timber including sawn sleepers, 10% mixed plastic, metal and wire. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick and concrete.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP116	Page: 1 of 1
Project: Eastleigh, Southampton		

Trial Pit Log

Date: 15/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details			Test Details	
					Depth (m)	Type	Ref	Depth (m)	Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, granite and concrete. Occasional concrete cobbles and boulders. Rare cobbles of asphalt. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal, fabric and construction waste such as cutting blades and drain covers.		2.00							
Trial pit complete at 2.00 m bgl.									

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP117	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 15/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of fly tip waste comprising 80% and 20% matrix. Fly tip materials include 70% timber including sawn sleepers, 10% mixed plastic, metal and wire. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick and concrete.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP118	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 15/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of landfill comprising 60% matrix and 40% other. Matrix is blackish brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of brick, flint, wood, coal and concrete. Occasional concrete cobbles and boulders. Other materials include 20% timber including sawn sleepers, 20% mixed plastic, wire, metal and fabric.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP119	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 15/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of fly tip waste comprising 80% and 20% matrix. Fly tip materials include 70% timber including sawn sleepers, 10% mixed plastic, metal and wire. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick and concrete.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP120	Page: 1 of 1
Project: Eastleigh, Southampton		

Trial Pit Log

Date: 15/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details			Test Details	
					Depth (m)	Type	Ref	Depth (m)	Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, granite and concrete. Occasional concrete cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal, fabric and construction waste such as cutting blades and drain covers. Smarties packet with BBE date of 03/2010.		2.00							
Trial pit complete at 2.00 m bgl.									

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP121	Page: 1 of 1
Project: Eastleigh, Southampton		

Trial Pit Log

Date: 16/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, granite and concrete. Occasional concrete and road surface cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal and fabric.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising. 5. Depth of excavation limited due to railway tracks.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP122	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type Ref	Test Details: Depth (m)	Test Details: Results
MADE GROUND: Soils reminiscent of landfill comprising 85% matrix and 15% other. Matrix is dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, granite and concrete. Occasional concrete and road surface cobbles and boulders. Other materials include 10% timber including sawn sleepers, 5% mixed plastic, wire, metal and fabric.		2.00						
Trial pit complete at 2.00 m bgl.								

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising. 5. Depth of excavation limited due to railway tracks.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP123	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details			Test Details	
					Depth (m)	Type	Ref	Depth (m)	Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, slag, flint, coal, brick, chalk, glass, clinker and concrete. Occasional concrete cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal, fabric and construction waste such as engineered brick.		2.00							
Trial pit complete at 2.00 m bgl.									

Dimensions and Orientation:

Length = 2.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising. 5. Depth of excavation limited due to railway tracks.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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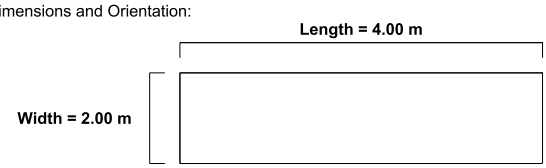
Project No: 17-1080.05	Hole ID: TP124	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type Ref	Test Details: Depth (m)	Test Details: Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, slag, flint, tarmacadam, coal, brick, chalk, glass, clinker and concrete. Occasional concrete cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal, fabric and construction waste such as engineered brick.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: FH	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP125	Page: 1 of 1
Project: Eastleigh, Southampton		

Trial Pit Log

Date: 16/01/2019	Client: Diageo Investment Fund Ltd

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details			Test Details	
					Depth (m)	Type	Ref	Depth (m)	Results
MADE GROUND: Soils reminiscent of landfill comprising 70% matrix and 30% other. Matrix is dark and yellowish brown slightly clayey gravelly fine to coarse SAND with abundant rootlets. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, flint, tarmacadum, coal, chalk, clinker and concrete. Occasional concrete cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire and fabric and 10% metal pipe fragments.		3.00							
Trial pit complete at 3.00 m bgl.									

Dimensions and Orientation:

Length = 4.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising. 5. Depth of excavation limited due concrete boulder obstruction.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

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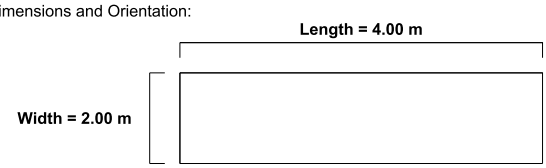
Project No: 17-1080.05	Hole ID: TP126	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of fly tip waste comprising 50% and 50% matrix. Fly tip materials include 40% timber including sawn sleepers, 10% mixed plastic, wire, metal and wire. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick and concrete. Crisp packet with BBE date of 1999.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:



Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TP127	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 16/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Soils reminiscent of landfill comprising 80% matrix and 20% other. Matrix is dark brown clayey gravelly fine to coarse SAND. Gravel is angular to rounded fine to coarse of mixed lithologies including brick, granite and concrete. Occasional concrete cobbles and boulders. Other materials include 10% timber including sawn sleepers, 10% mixed plastic, wire, metal and fabric.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Length = 4.00 m

Width = 2.00 m

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TT1	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 29/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown slightly gravelly slightly sandy friable CLAY with frequent rootlets. Gravel is angular to sub angular concrete, brick and flint. Frequent cobbles of angular to sub angular concrete.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TT2	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 29/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details: Depth (m)	Sample Details: Type Ref	Test Details: Depth (m)	Test Details: Results
MADE GROUND: Dark brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to sub angular fine to coarse of brick, flint, glass, metal and mixed anthropogenic materials including tyres and hessian bags.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

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Project No: 17-1080.05	Hole ID: TT3	Page: 1 of 1
Project: Eastleigh, Southampton		
Date: 29/01/2019	Client: Diageo Investment Fund Ltd	

Trial Pit Log

Description of Strata	Legend	Strata Depth (m)	Reduced Level (mAOD)	Water Strike (m)	Sample Details Depth (m)	Sample Details Type Ref	Test Details Depth (m)	Test Details Results
MADE GROUND: Dark brown slightly clayey gravelly SAND. Gravel is angular to rounded fine to coarse flint, chalk, metal, brick, concrete, ash and wood. Frequent cobbles of angular concrete. Frequent branches of wood 1m in length.		2.00						
MADE GROUND: Dark brown slightly clayey gravelly SAND. Gravel is angular to rounded fine to coarse flint, chalk, metal, brick, concrete, ash and wood. Frequent cobbles of angular concrete. Frequent branches of wood 1m in length.		4.00						
Trial pit complete at 4.00 m bgl.								

Dimensions and Orientation:

Orientation:

Inclination:

Remarks:
1. Logged in general accordance with BS 5930:2015. 2. Area located above ground level.3. Trial pit completed within earth bund. 4. Excavation reinstated with arising.

Coordinates:	Elevation (mAOD):	Excavated By: Cutler Plant	Plant Used: JCB	Logged: CF	Checked: DLJ	Approved: DLJ	Scale: 1:30

SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

ARCHWAY ENGINEERING (UK) LTD
AINLEYS INDUSTRIAL ESTATE
ELLAND
WEST YORKSHIRE
HX5 9JP

SPT Hammer Ref:	11099
Test Date:	25/02/2019
Report Date:	25/02/2019
File Name:	11099.spt
Test Operator:	SH

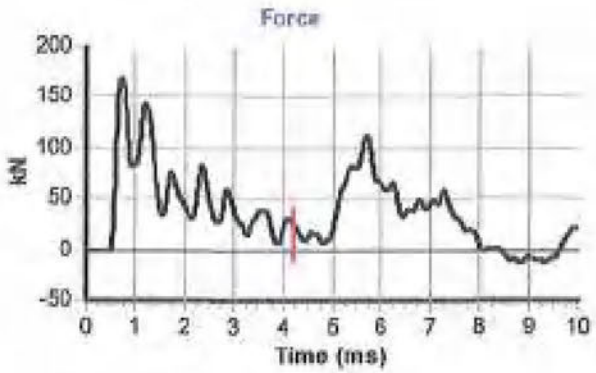
Instrumented Rod Data

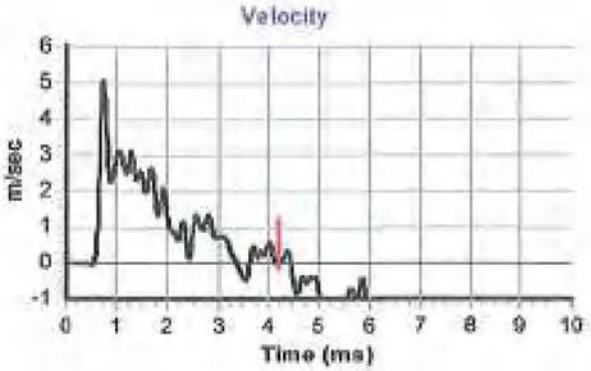
Diameter d_r (mm):	54
Wall Thickness t_r (mm):	6.0
Assumed Modulus E_a (GPa):	208
Accelerometer No.1:	7080
Accelerometer No.2:	11609

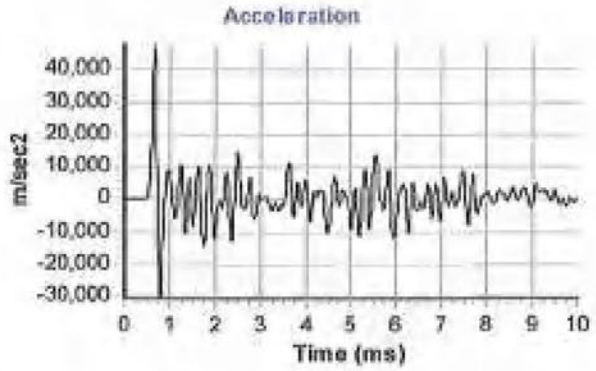
SPT Hammer Information

Hammer Mass m (kg):	63.5
Falling Height h (mm):	760
SPT String Length L (m):	10.0

Comments / Location







Calculations

Area of Rod A (mm2):	905
Theoretical Energy E_{theor} (J):	473
Measured Energy E_{meas} (J):	391

Energy Ratio E_r (%): 83

Signed: C.MCCLUSKEY
Title: FITTER

The recommended calibration interval is 12 months

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Southern Testing
Environmental & Geotechnical

SPT Hammer Energy Test Report

In accordance with BSEN ISO 22476-3:2005

Neil Burrows
Southern Testing Laboratories
Unit 11
Charlwoods Road
East Grinstead
RH19 2HU

SPT Hammer Ref:	SFD58
Test Date:	10/05/2018
Report Date:	15/05/2018
File Name:	SFD58.spt
Test Operator:	N P BURROWS

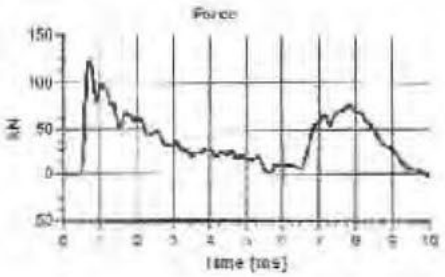
Instrumented Rod Data

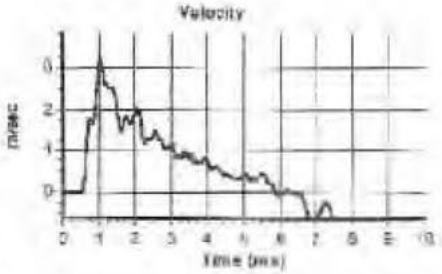
Diameter d_r (mm):	54
Wall Thickness t_r (mm):	6.0
Assumed Modulus E_r (GPa):	200
Accelerometer No.1:	6458
Accelerometer No.2:	9607

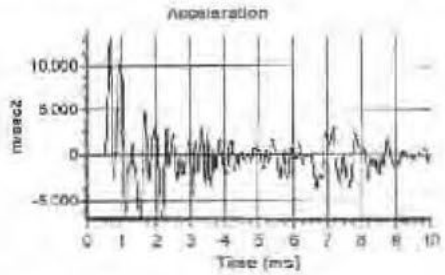
SPT Hammer Information

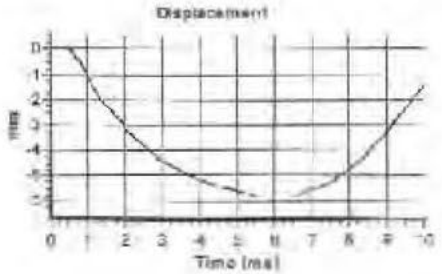
Hammer Mass m (kg):	63.5
Falling Height h (mm):	760
SPT String Length L (m):	14.5

Comments / Location
CHARLWOODS









Calculations

Area of Rod A (mm2):	905
Theoretical Energy E_{theor} (J):	473
Measured Energy E_{meas} (J):	329

Energy Ratio E_r (%): **69**

[redacted]

Signed: N P Burrows
Title: Field Operations Manager

The recommended calibration interval is 12 months.

Appendix C - Geotechnical Analysis Results

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

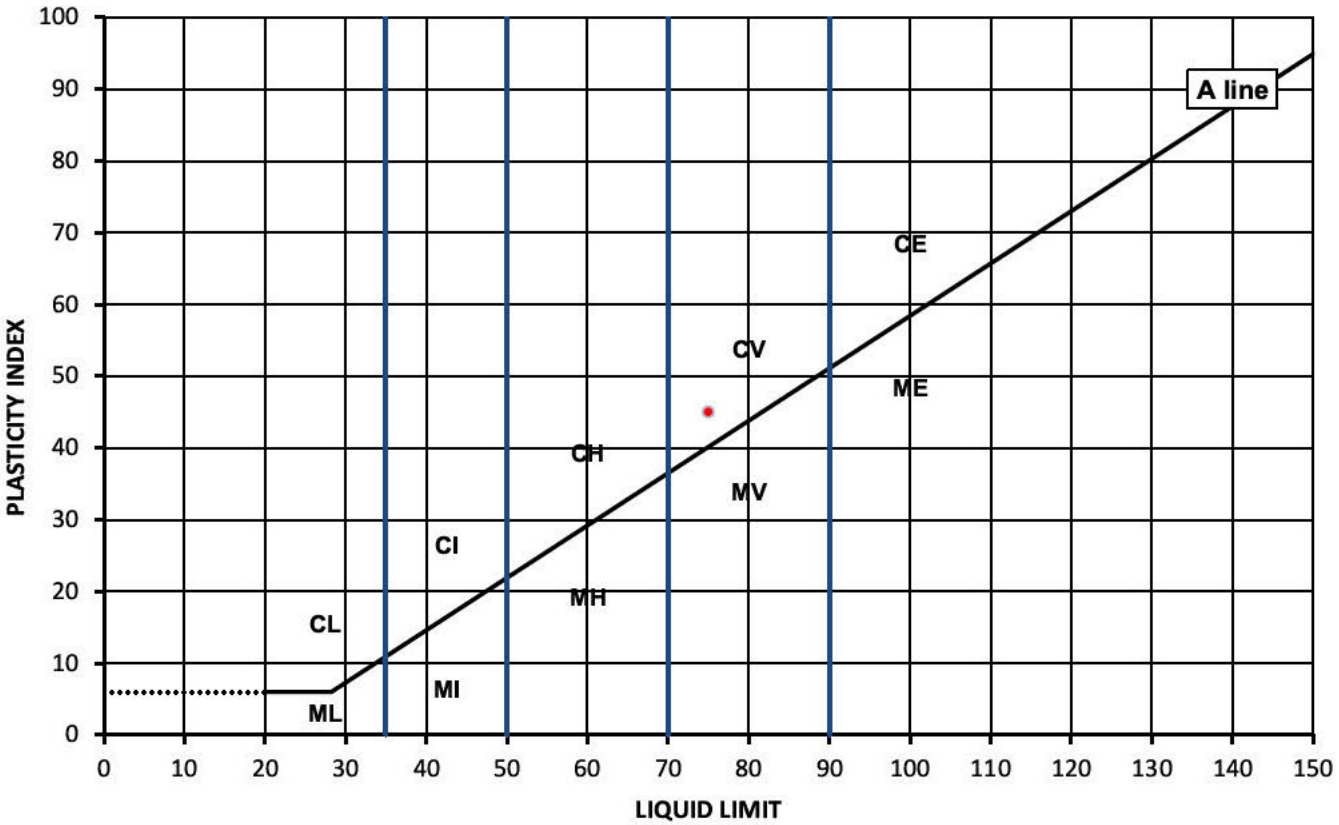
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	08/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123925	Depth Top [m]:	6.50
Hole No.:	BH101	Depth Base [m]:	7.00
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Grey slightly gravelly slightly sandy CLAY		

Sample Preparation: Tested after >425um removed by hand

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
29	75	30	45	78



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

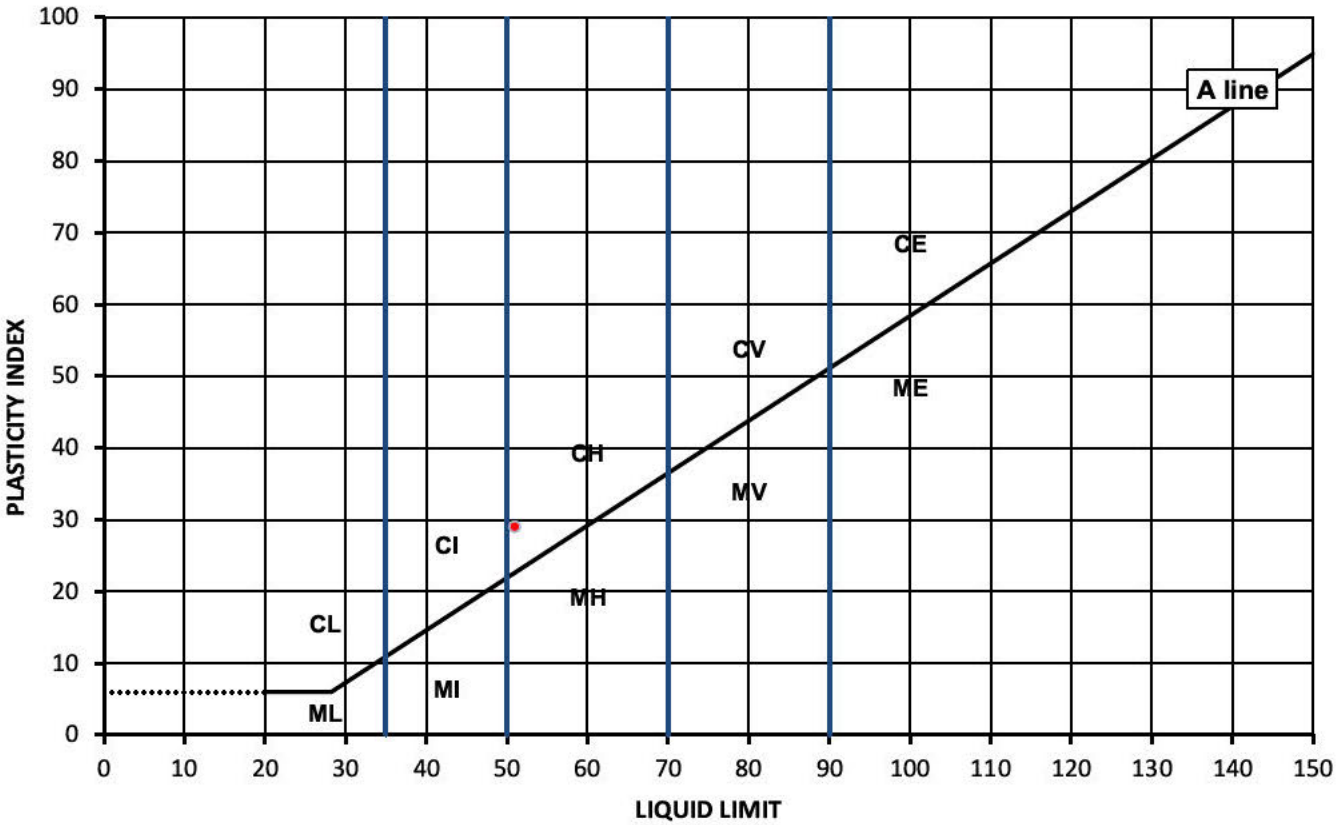
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123927	Depth Top [m]:	8.00
Hole No.:	BH101	Depth Base [m]:	8.45
Sample Reference:	Not Given	Sample Type:	U
Soil Description:	Grey silty CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
29	51	22	29	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

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7 Woodshots Meadow
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Watford Herts WD18 8YS

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

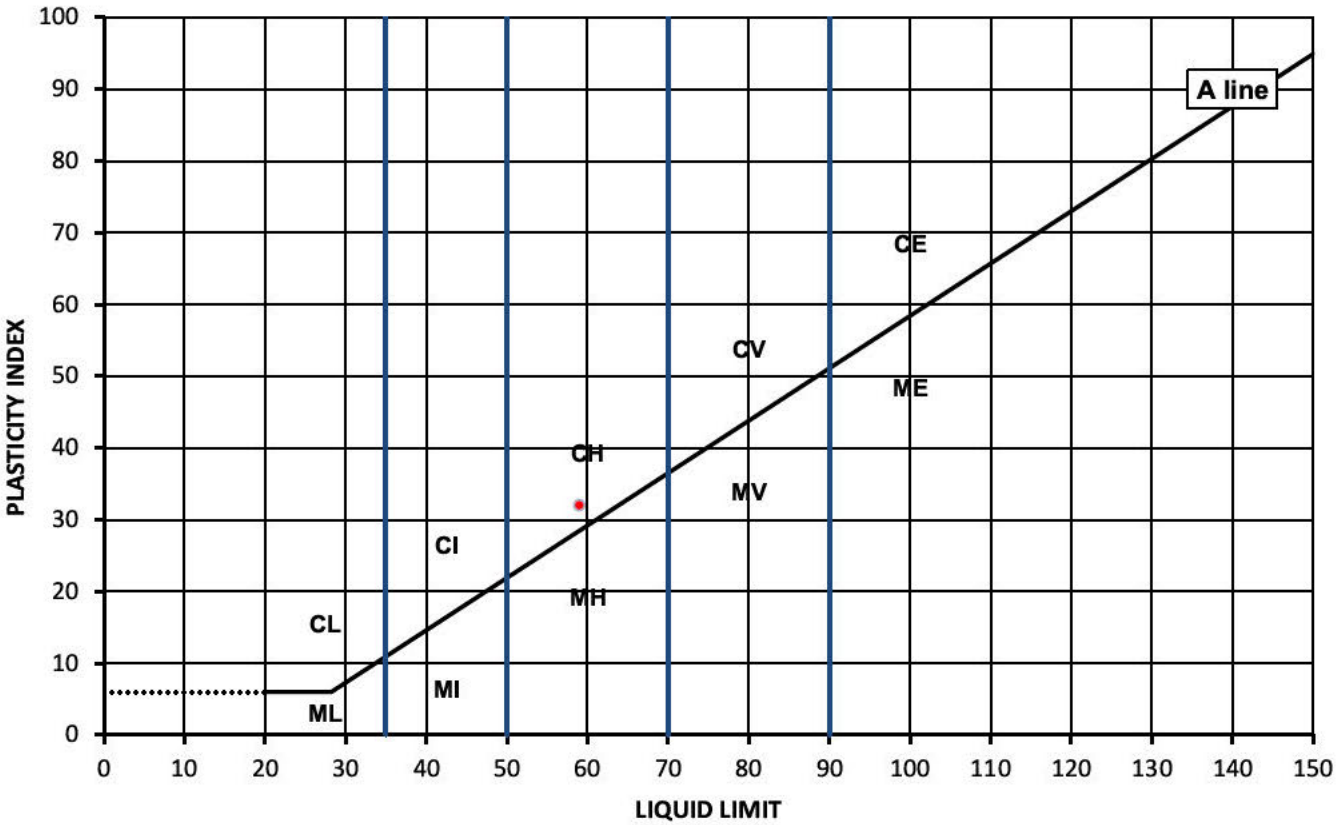
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123928	Depth Top [m]:	11.00
Hole No.:	BH101	Depth Base [m]:	11.45
Sample Reference:	Not Given	Sample Type:	U
Soil Description:	Dark grey silty CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
23	59	27	32	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

[redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

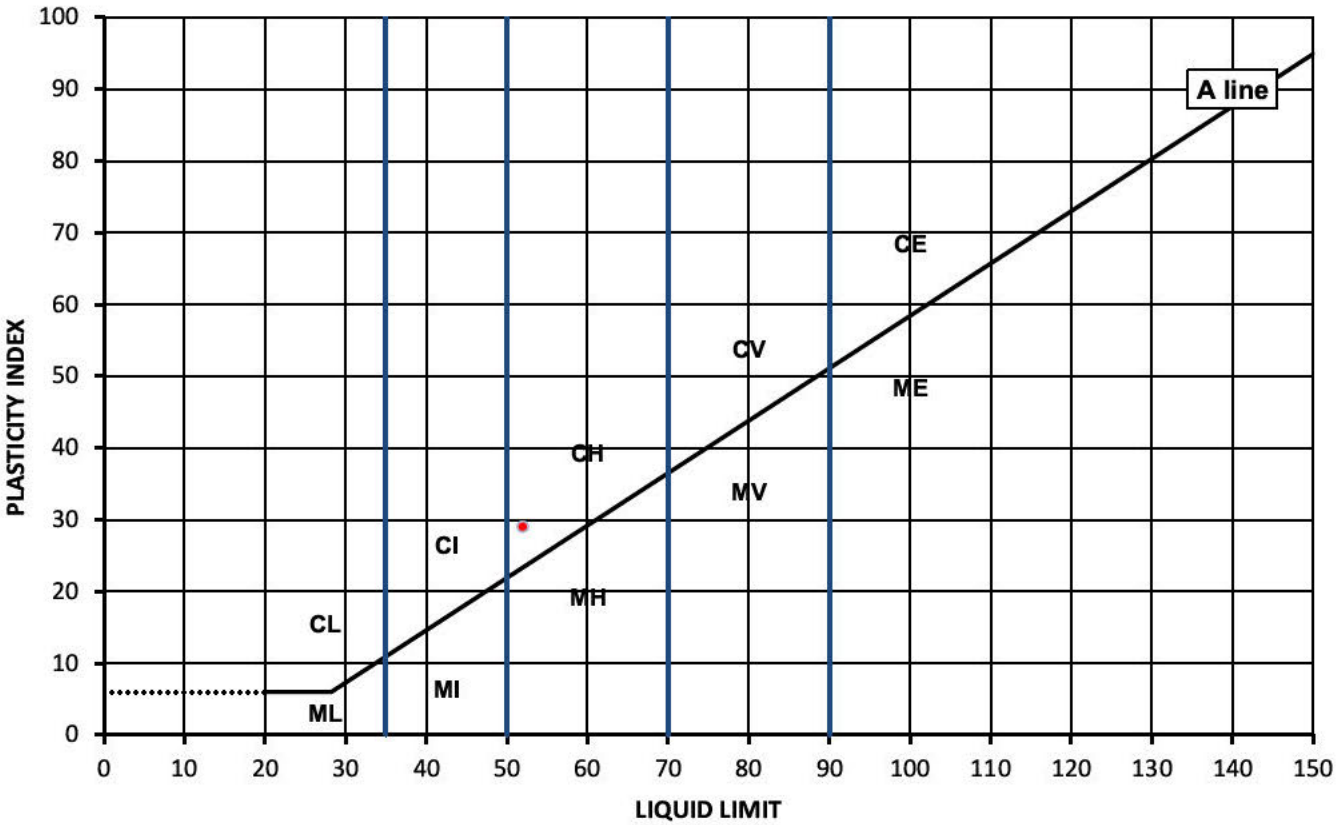
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123929	Depth Top [m]:	14.00
Hole No.:	BH101	Depth Base [m]:	14.45
Sample Reference:	Not Given	Sample Type:	U
Soil Description:	Dark grey silty CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
22	52	23	29	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: [redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

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7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

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Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

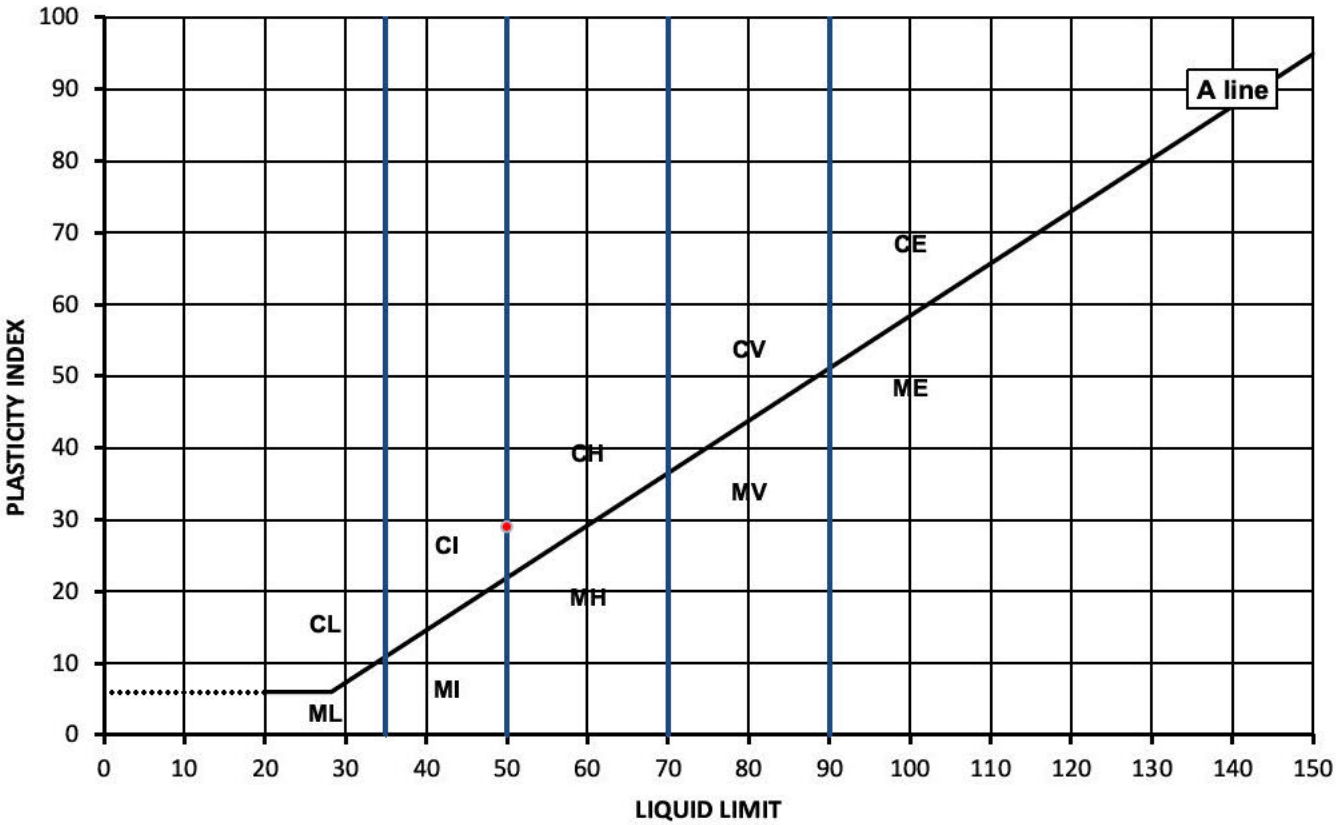
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123930	Depth Top [m]:	17.00
Hole No.:	BH101	Depth Base [m]:	17.45
Sample Reference:	Not Given	Sample Type:	U
Soil Description:	Dark grey silty CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
21	50	21	29	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

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PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

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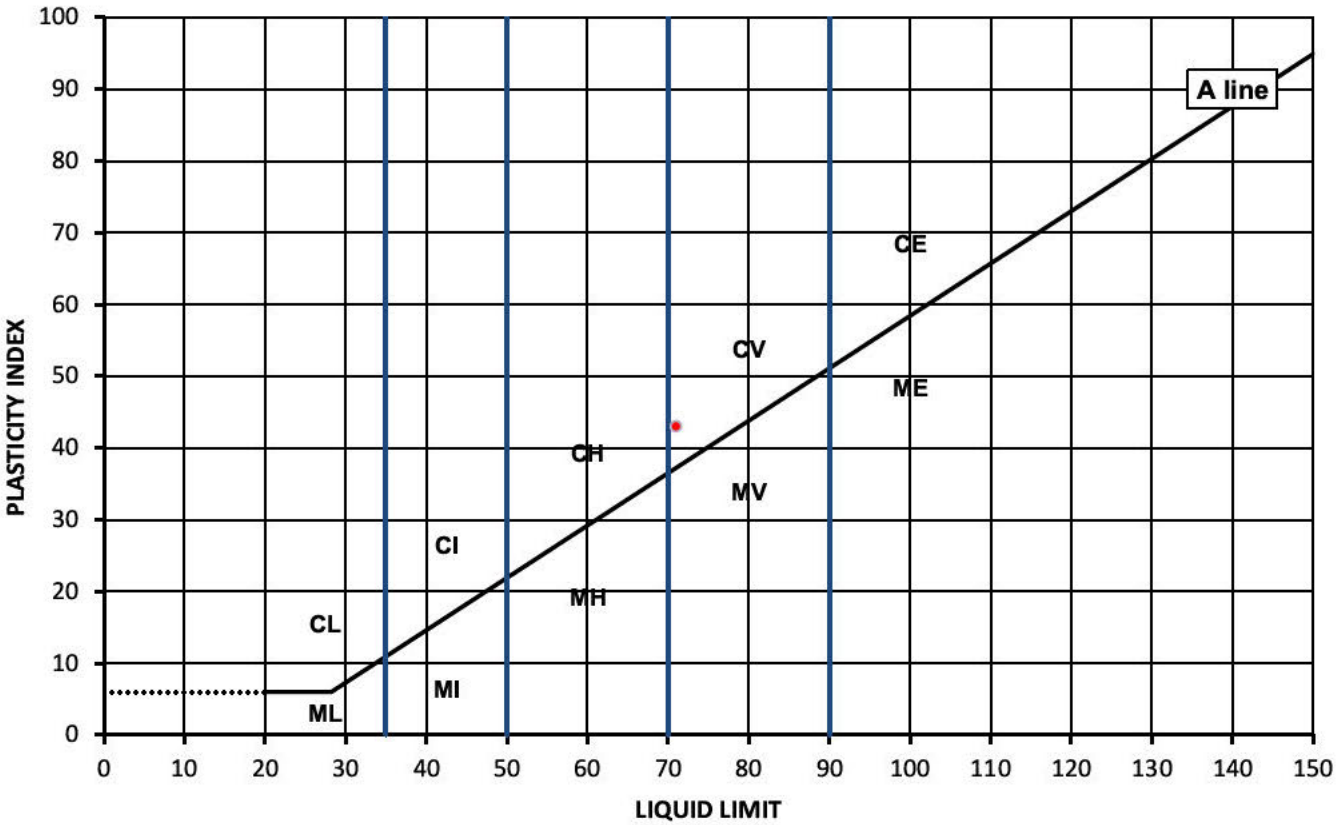
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	08/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123932	Depth Top [m]:	10.00
Hole No.:	BH102	Depth Base [m]:	10.50
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Grey CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
30	71	28	43	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: [redacted]
Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: [redacted]
Darren Berrill
Geotechnical General Manager

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7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

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Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

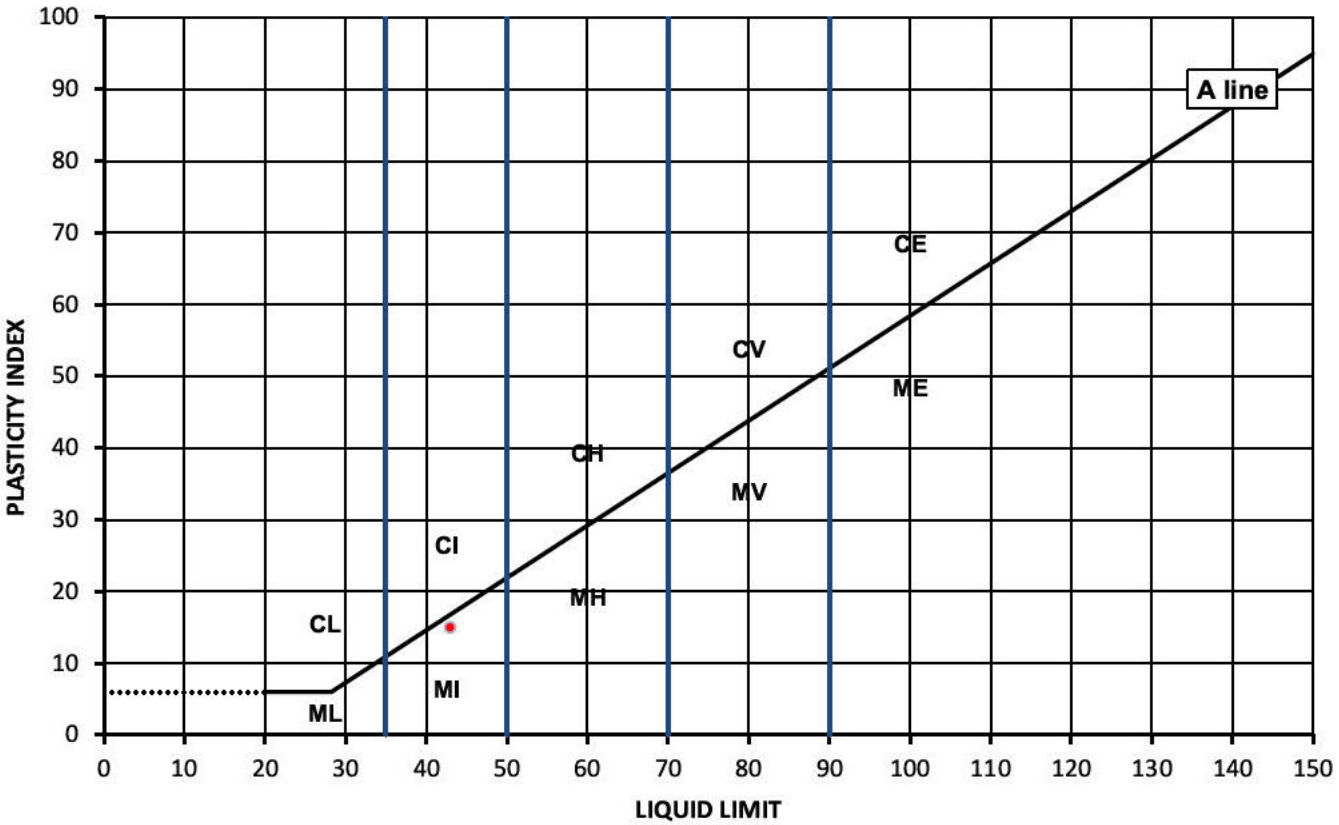
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	08/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123933	Depth Top [m]:	14.00
Hole No.:	BH102	Depth Base [m]:	14.50
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Grey silty CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
24	43	28	15	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

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Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

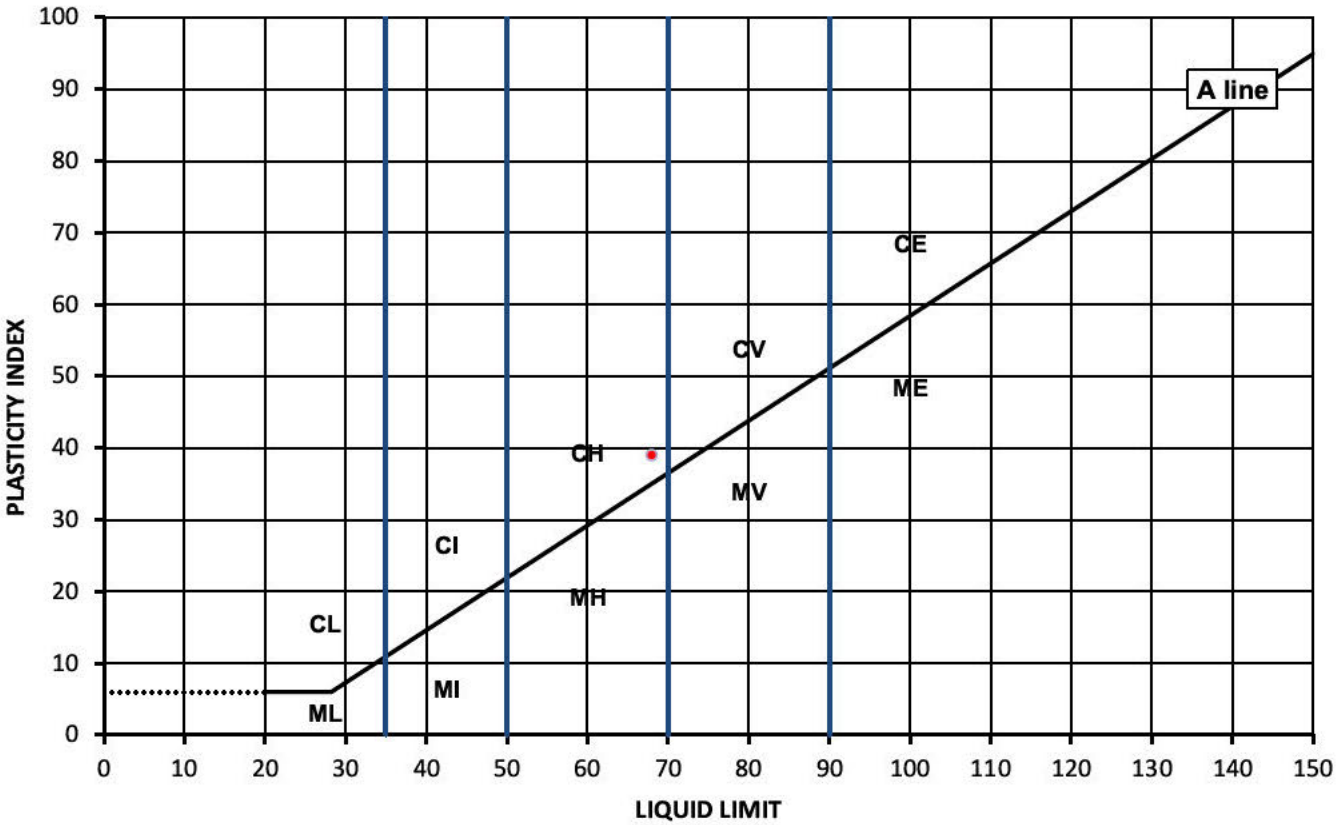
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123935	Depth Top [m]:	9.50
Hole No.:	BH102	Depth Base [m]:	9.95
Sample Reference:	Not Given	Sample Type:	U
Soil Description:	Dark grey silty CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
25	68	29	39	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: [redacted]
Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: [redacted]
Darren Berrill
Geotechnical General Manager

GF 236.3

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7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

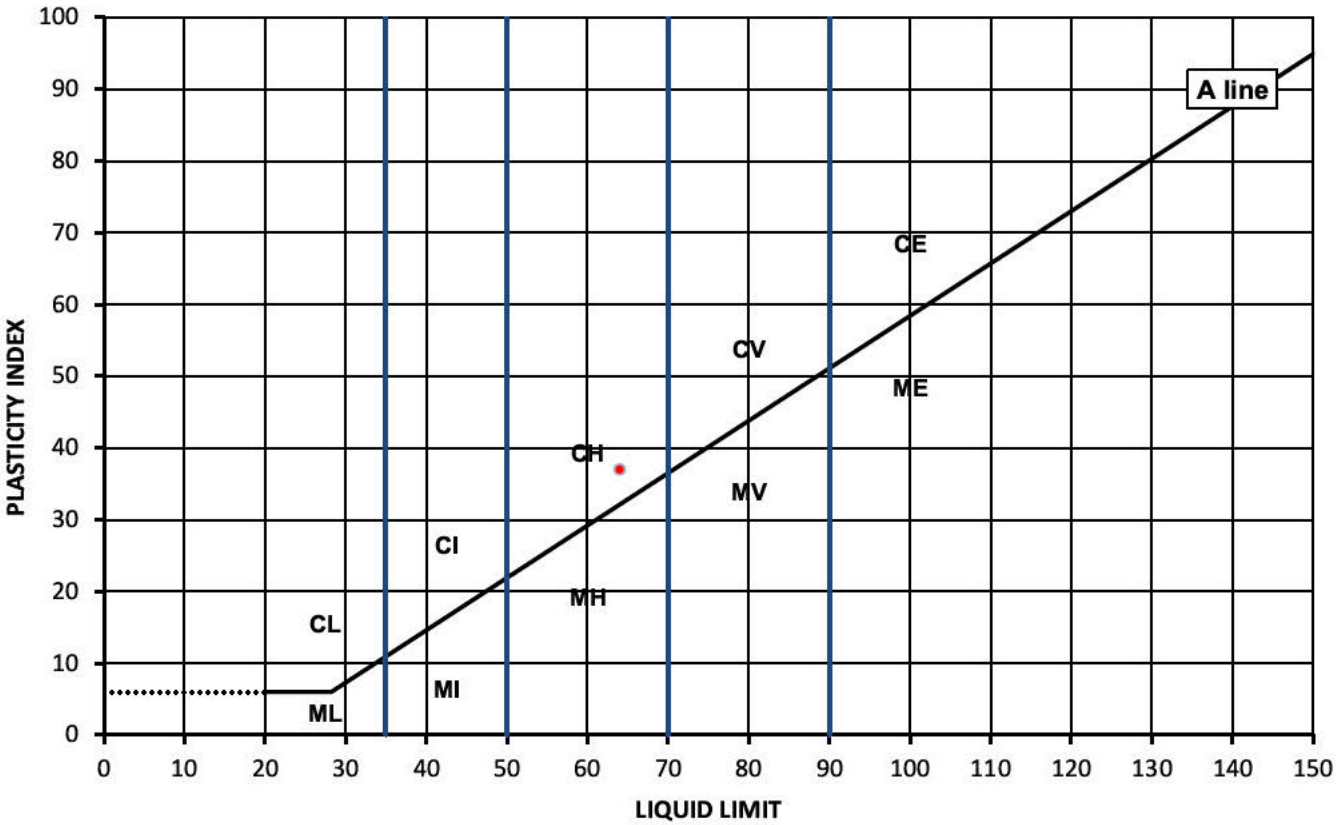
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123936	Depth Top [m]:	12.50
Hole No.:	BH102	Depth Base [m]:	12.95
Sample Reference:	Not Given	Sample Type:	U
Soil Description:	Dark grey to dark green silty CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
23	64	27	37	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

GF 236.3

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The analysis was carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland."

for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

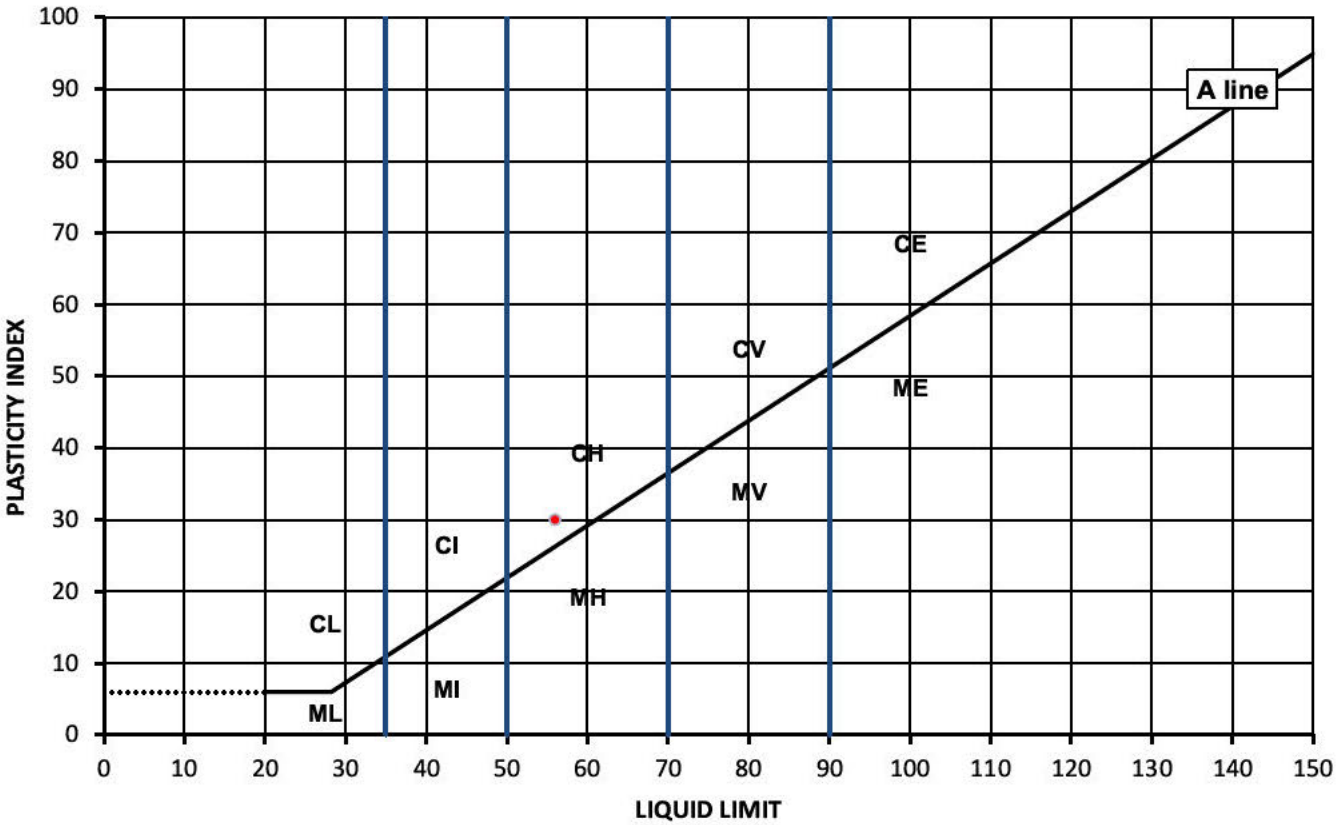
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123937	Depth Top [m]:	17.00
Hole No.:	BH102	Depth Base [m]:	17.45
Sample Reference:	Not Given	Sample Type:	U
Soil Description:	Dark grey silty CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
23	56	26	30	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

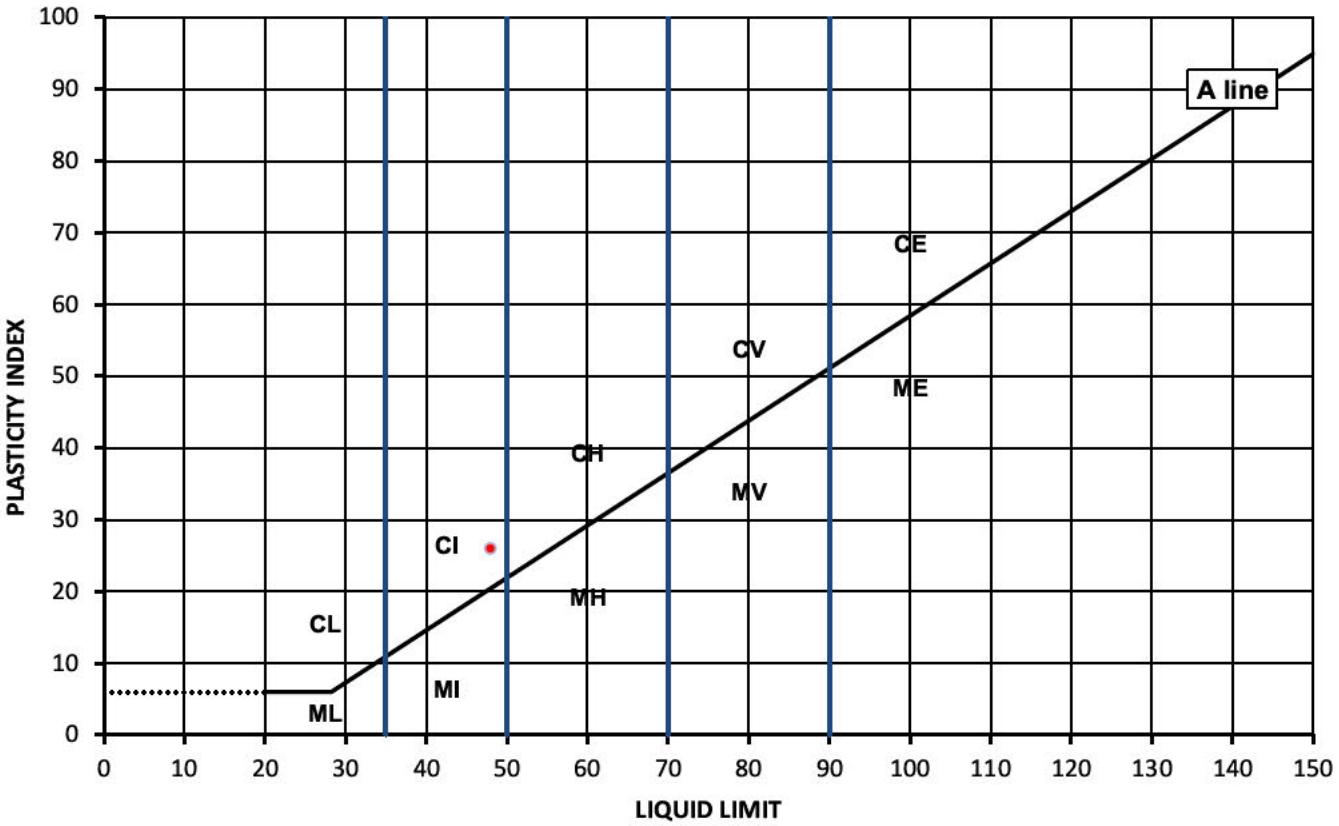
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1123938	Depth Top [m]:	15.50
Hole No.:	BH102	Depth Base [m]:	15.95
Sample Reference:	Not Given	Sample Type:	U
Soil Description:	Dark grey silty CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
22	48	22	26	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

SUMMARY REPORT

Summary of Classification Test Results

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

UKAS TESTING 4041

Tested in Accordance with:

MC by BS 1377-2: 1990: Clause 3.2; Atterberg by BS 1377-2: 1990: Clause 4.3, Clause 4.4 and 5; PD by BS 1377-2: 1990: Clause 8.2

Client: Delta-Simons
Client Address: 20 Little Britain, London, EC1A 7DH
Contact: Francesca Hammond
Site Name: Eastleigh
Site Address: Not Given

Client Reference: 17-1080-05
Job Number: 19-23692
Date Sampled: Not Given
Date Received: 18/12/2018
Date Tested: 08/01 - 09/01/2019
Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	MC#	Atterberg#				Density		Total Porosity				
		Reference	Depth Top	Depth Base	Type				% Passing 425um	LL	PL	PI	bulk	PD					
			m	m				%	%	%	%	%	Mg/m3	Mg/m3	%				
1123925	BH101	Not Given	6.50	7.00	D	Grey slightly gravelly slightly sandy CLAY	Atterberg 4 Point	29	78	75	30	45							
1123927	BH101	Not Given	8.00	8.45	U	Grey silty CLAY	Atterberg 4 Point	29	100	51	22	29							
1123928	BH101	Not Given	11.00	11.45	U	Dark grey silty CLAY	Atterberg 4 Point	23	100	59	27	32							
1123929	BH101	Not Given	14.00	14.45	U	Dark grey silty CLAY	Atterberg 4 Point	22	100	52	23	29							
1123930	BH101	Not Given	17.00	17.45	U	Dark grey silty CLAY	Atterberg 4 Point	21	100	50	21	29							
1123935	BH102	Not Given	9.50	9.95	U	Dark grey silty CLAY	Atterberg 4 Point	25	100	68	29	39							
1123932	BH102	Not Given	10.00	10.50	D	Grey CLAY	Atterberg 4 Point	30	100	71	28	43							
1123936	BH102	Not Given	12.50	12.95	U	Dark grey to dark green silty CLAY	Atterberg 4 Point	23	100	64	27	37							
1123933	BH102	Not Given	14.00	14.50	D	Grey silty CLAY	Atterberg 4 Point	24	100	43	28	15							
1123938	BH102	Not Given	15.50	15.95	U	Dark grey silty CLAY	Atterberg 4 Point	22	100	48	22	26							

Note: # UKAS accredited; NP - Non plastic

Comments:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 238.5

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for and on behalf of i2 Analytical Ltd

SUMMARY REPORT

Summary of Classification Test Results

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

UKAS TESTING 4041

Tested in Accordance with:

MC by BS 1377-2: 1990: Clause 3.2; Atterberg by BS 1377-2: 1990: Clause 4.3, Clause 4.4 and 5; PD by BS 1377-2: 1990: Clause 8.2

Client: Delta-Simons
Client Address: 20 Little Britain, London, EC1A 7DH
Contact: Francesca Hammond
Site Name: Eastleigh
Site Address: Not Given

Client Reference: 17-1080-05
Job Number: 19-23692
Date Sampled: Not Given
Date Received: 18/12/2018
Date Tested: 09/01/2019
Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	MC#	Atterberg#				Density		Total Porosity				
		Reference	Depth Top	Depth Base	Type				% Passing 425um	LL	PL	PI	bulk	PD					
			m	m				%	%	%	%	%	Mg/m3	Mg/m3	%				
1123937	BH102	Not Given	17.00	17.45	U	Dark grey silty CLAY	Atterberg 4 Point	23	100	56	26	30							

Note: # UKAS accredited; NP - Non plastic

Comments:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager
[redacted]

GF 238.5

for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

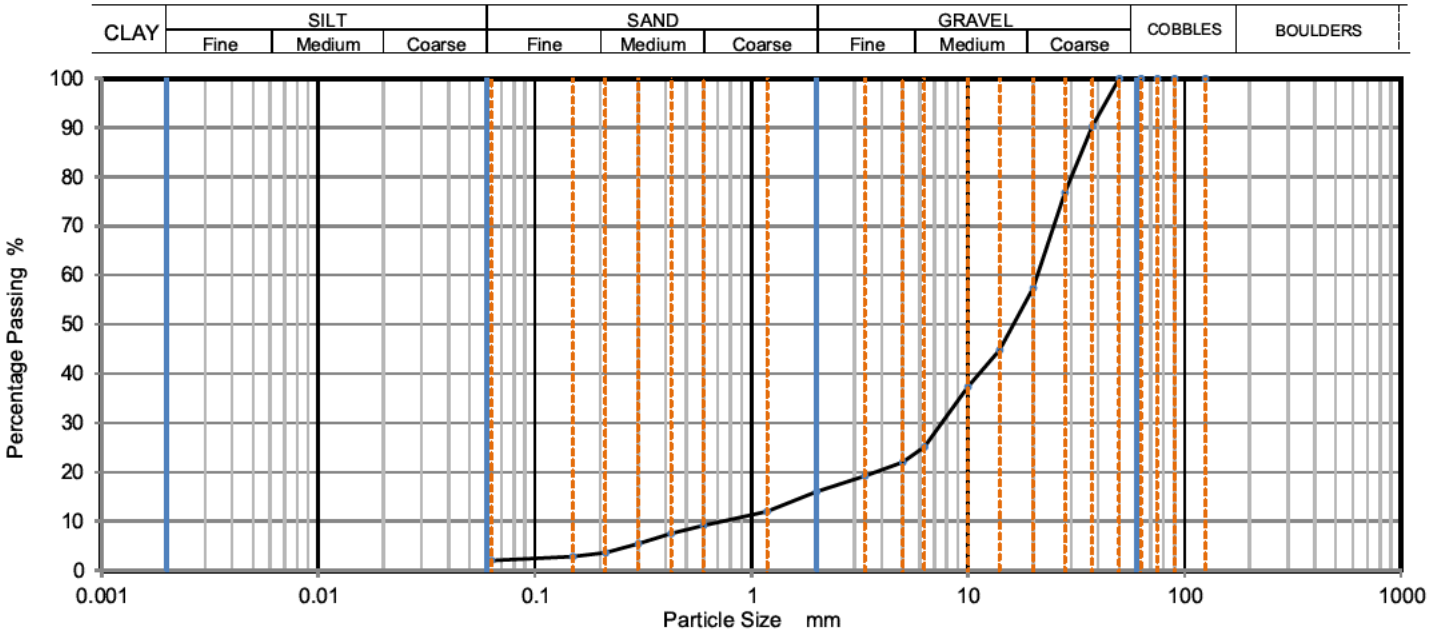
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	08/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1123924	Depth Top [m]:	5.50
Hole No.:	BH101	Depth Base [m]:	6.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown sandy slightly clayey GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	90		
28	77		
20	57		
14	45		
10	37		
6.3	25		
5	22		
3.35	19		
2	16		
1.18	12		
0.6	9		
0.425	8		
0.3	5		
0.212	4		
0.15	3		
0.063	2		

Dry Mass of sample [g]: 12066

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	84.00
Sand	13.60
Fines <0.063mm	2.40

Grading Analysis		
D100	mm	50
D60	mm	20.9
D30	mm	7.58
D10	mm	0.737
Uniformity Coefficient		28
Curvature Coefficient		3.7

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

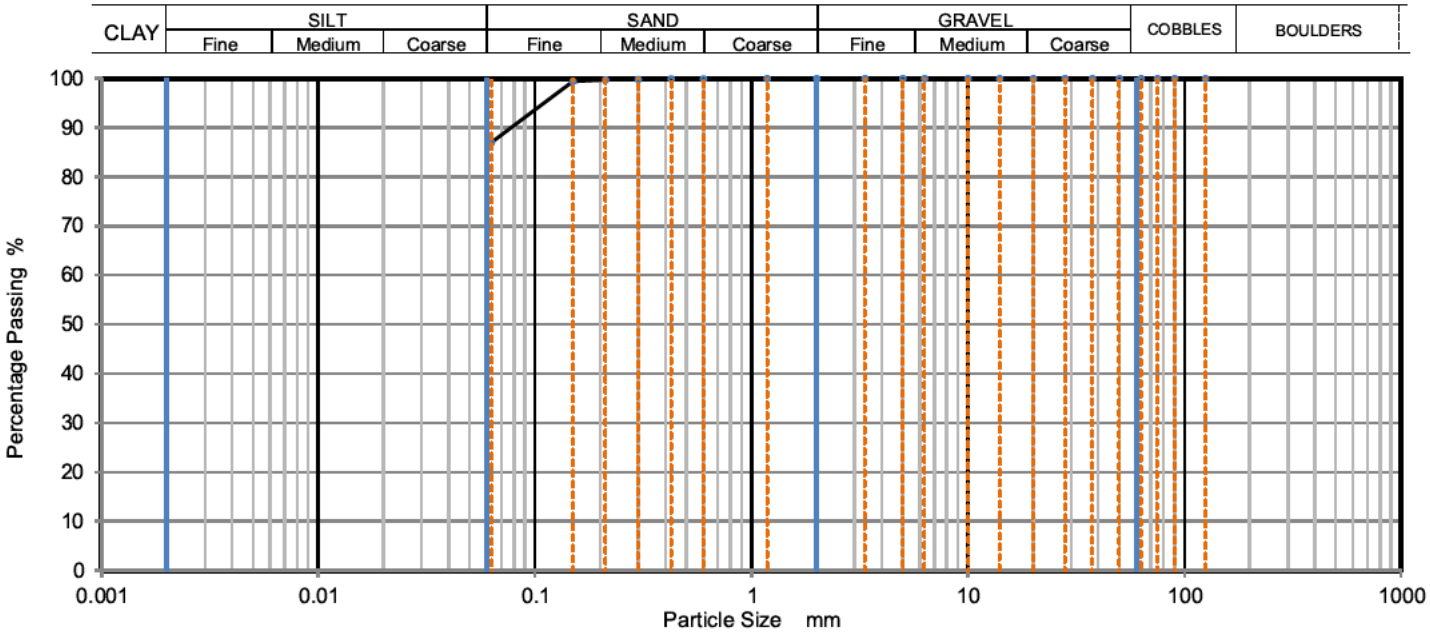
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	08/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1123926	Depth Top [m]:	17.50
Hole No.:	BH101	Depth Base [m]:	18.00
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Grey slightly sandy CLAY		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.212	100		
0.15	99		
0.063	87		

Dry Mass of sample [g]: 326

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	0.00
Sand	12.90
Fines <0.063mm	87.10

Grading Analysis		
D100	mm	2
D60	mm	
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks:

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

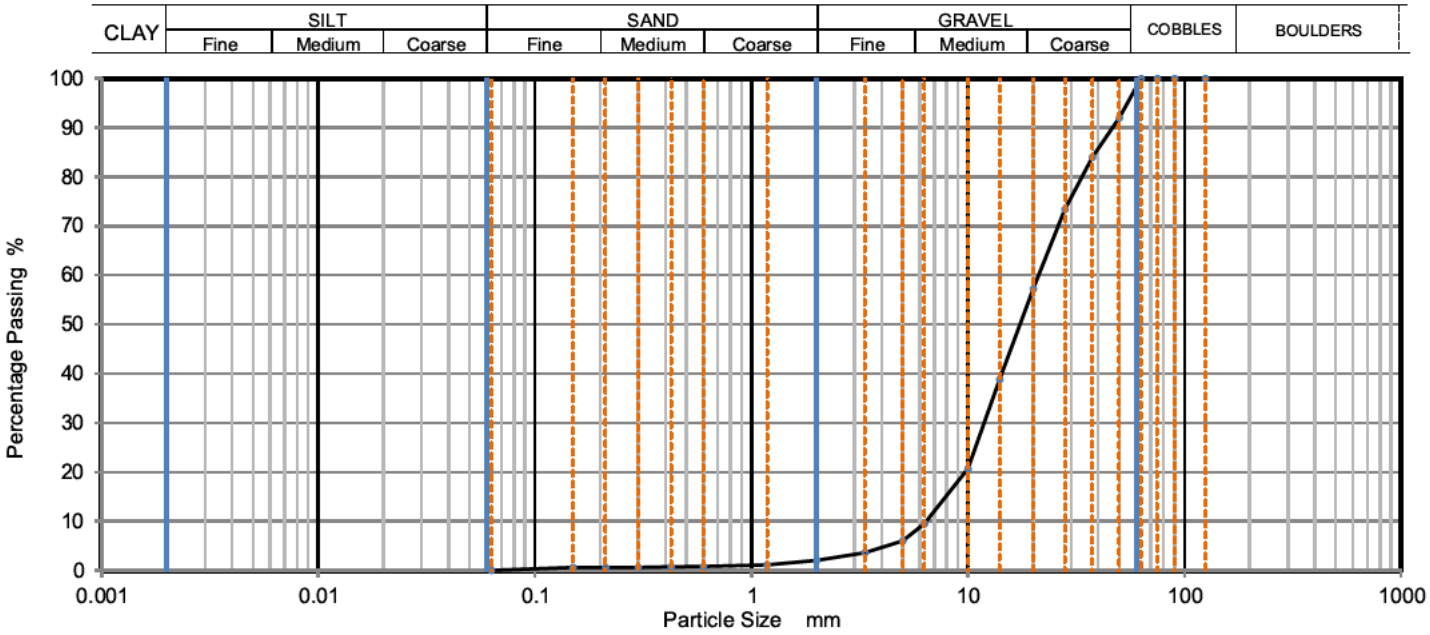
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	08/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1123931	Depth Top [m]:	3.00
Hole No.:	BH102	Depth Base [m]:	3.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Multicolour GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	92		
37.5	84		
28	73		
20	57		
14	39		
10	21		
6.3	10		
5	6		
3.35	4		
2	2		
1.18	1		
0.6	1		
0.425	1		
0.3	1		
0.212	1		
0.15	1		
0.063	1		

Dry Mass of sample [g]: 11157

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	98.00
Sand	1.50
Fines <0.063mm	0.60

Grading Analysis		
D100	mm	63
D60	mm	21.2
D30	mm	11.9
D10	mm	6.43
Uniformity Coefficient		3.3
Curvature Coefficient		1

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS1377 Part 2 Table 3

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

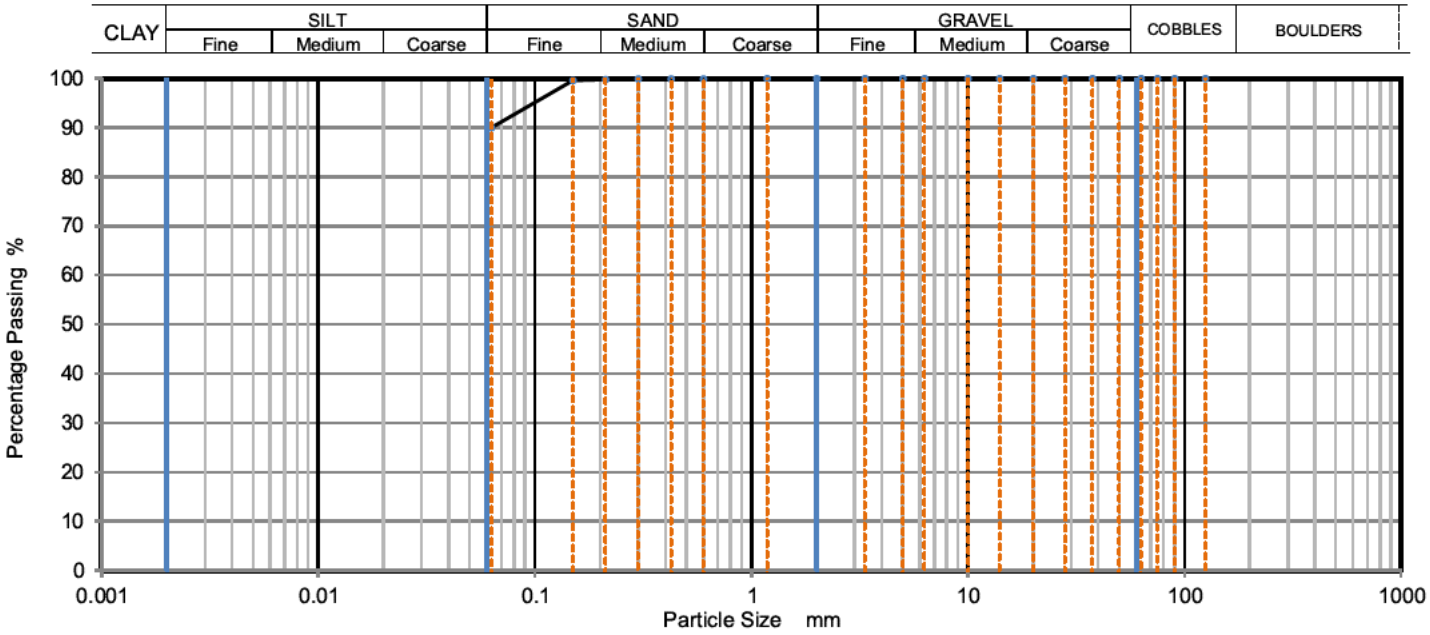
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	08/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1123934	Depth Top [m]:	16.00
Hole No.:	BH102	Depth Base [m]:	16.50
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Grey slightly sandy CLAY		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	100		
10	100		
6.3	100		
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100		
0.425	100		
0.3	100		
0.212	100		
0.15	100		
0.063	90		

Dry Mass of sample [g]: 344

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	0.00
Sand	9.80
Fines <0.063mm	90.20

Grading Analysis		
D100	mm	2
D60	mm	
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

One Dimensional Consolidation Test

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

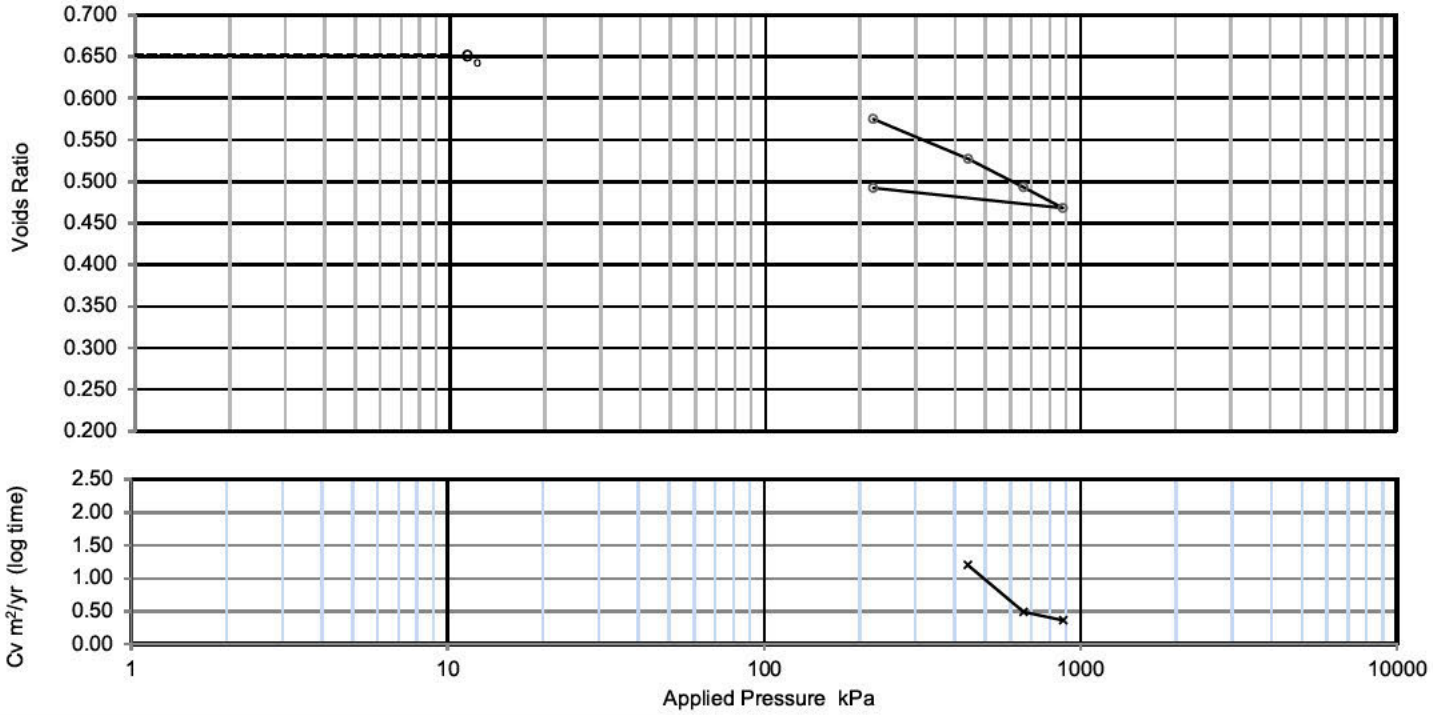
UKAS TESTING 4041

Tested in Accordance with: BS 1377-5: 1990: Clause 3

Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	08/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1123928	Depth Top [m]:	11.00
Hole No.:	BH101	Depth Base [m]:	11.45
Sample Reference:	Not Given	Sample Type:	U
Sample Description:	Dark grey silty CLAY		



Applied Pressure kPa	Voids ratio	Mv m2/MN	Cv (t50, log) m2/yr	Cv (t90, root m2/yr	Csec
0	0.651	-	-	-	-
220	0.575	0.21	N/A	N/A	0.0017
440	0.527	0.14	1.2	1.8	0.0019
660	0.493	0.1	0.49	1.4	0.0013
880	0.468	0.078	0.36	0.54	0.0025
220	0.492	0.025			

Preparation

Index tests

Orientation of the sample	Vertical		
Particle density	assumed	2.65	Mg/m3
Liquid limit	N/A		%
Plastic limit	N/A		%

Specimen details	Initial	Final	
Diameter	50.00	-	mm
Height	20.00	18.07	mm
Moisture Content	25	24	%
Bulk density	2.01	2.20	Mg/m3
Dry density	1.60	1.78	Mg/m3
Voids Ratio	0.651	0.492	
Saturation	103	127	%
Avg. temperature for test	22.0		°C
Swelling Pressure	Not measured		kPa
Settlement on saturation			%

Note: Cv corrected to 20°C

Remarks:

[redacted] Dariusz Piotrowski
[redacted] Geotechnical Laboratory Manager
[redacted] **Date Reported:** 17/01/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

GF 172.10

[redacted] are outside of the scope of the UKAS Accreditation.

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

One Dimensional Consolidation Test

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

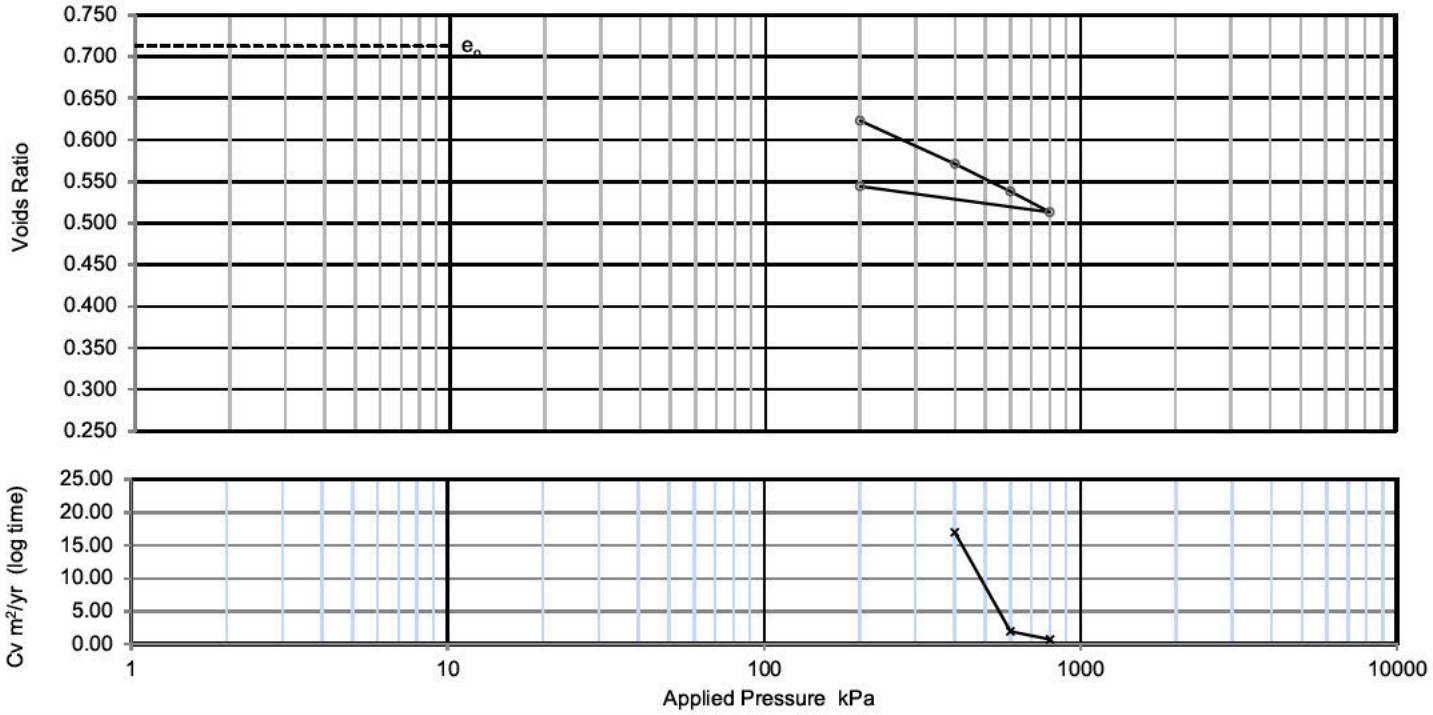
UKAS TESTING 4041

Tested in Accordance with: BS 1377-5: 1990: Clause 3

Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	08/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1123935	Depth Top [m]:	9.50
Hole No.:	BH102	Depth Base [m]:	9.95
Sample Reference:	Not Given	Sample Type:	U
Sample Description:	Dark grey silty CLAY		



Applied Pressure kPa	Voids ratio	Mv m2/MN	Cv (t50, log) m2/yr	Cv (t90, root m2/yr	Csec
0	0.713	-	-	-	-
200	0.623	0.26	N/A	N/A	N/A
400	0.571	0.16	17	28	0.0024
600	0.538	0.11	1.9	6.3	0.0019
800	0.513	0.08	0.71	2.8	0.0013
200	0.544	0.034			

Preparation

Index tests

Orientation of the sample	Vertical		
Particle density	assumed	2.65	Mg/m3
Liquid limit	N/A		%
Plastic limit	N/A		%

Specimen details	Initial	Final	
Diameter	50.00	-	mm
Height	20.00	18.03	mm
Moisture Content	24	27	%
Bulk density	1.92	2.18	Mg/m3
Dry density	1.55	1.72	Mg/m3
Voids Ratio	0.713	0.544	
Saturation	91	132	%
Avg. temperature for test	22.0		°C
Swelling Pressure	Not measured		kPa
Settlement on saturation			%

Note: Cv corrected to 20°C

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 172.10

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The results included within the report are representative of the samples submitted for analysis.
The analysis was carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland."

for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

One Dimensional Consolidation Test

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

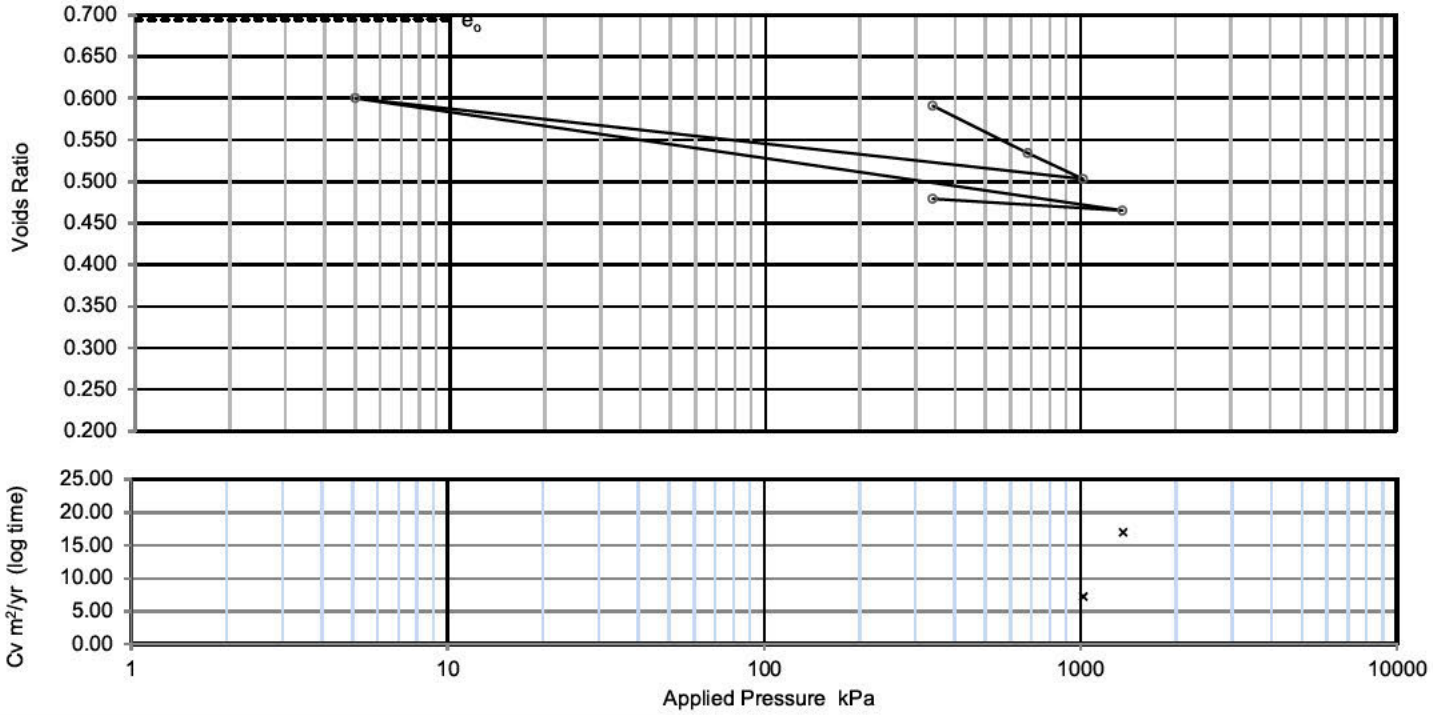
4041

Tested in Accordance with: BS 1377-5: 1990: Clause 3

Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	08/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1123937	Depth Top [m]:	17.00
Hole No.:	BH102	Depth Base [m]:	17.45
Sample Reference:	Not Given	Sample Type:	U
Sample Description:	Dark grey silty CLAY		



Applied Pressure kPa	Voids ratio	Mv m2/MN	Cv (t50, log) m2/yr	Cv (t90, root m2/yr	Csec
0	0.694	-	-	-	-
340	0.591	0.18	N/A	N/A	0.0013
680	0.534	0.11	N/A	N/A	0.0013
1 020	0.503	0.059	7.2	20	0.0013
5	0.600	0.063			
1 360	0.465	0.062	17	27	0.0013
340	0.479	0.009			

Preparation

Index tests

Orientation of the sample	Vertical		
Particle density	assumed	2.65	Mg/m3
Liquid limit	N/A		%
Plastic limit	N/A		%

Specimen details	Initial	Final	
Diameter	50.01	-	mm
Height	20.02	17.47	mm
Moisture Content	22	22	%
Bulk density	1.91	2.19	Mg/m3
Dry density	1.56	1.79	Mg/m3
Voids Ratio	0.694	0.479	
Saturation	85	124	%
Avg. temperature for test	22.0		°C
Swelling Pressure	Not measured		kPa
Settlement on saturation			%

Note: Cv corrected to 20°C

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 172.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

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

UKAS TESTING 4041

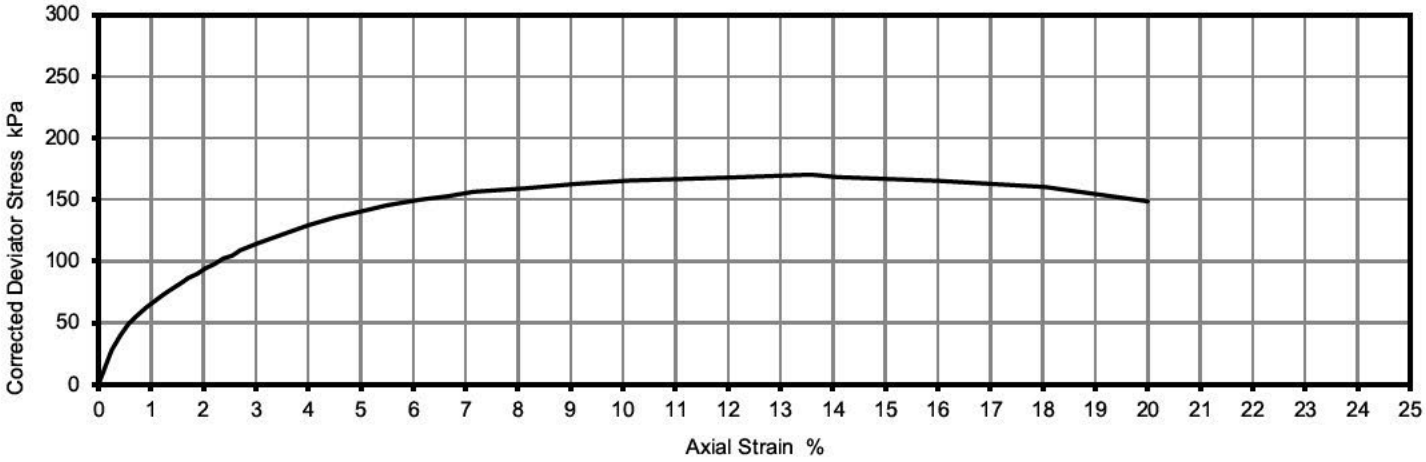
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

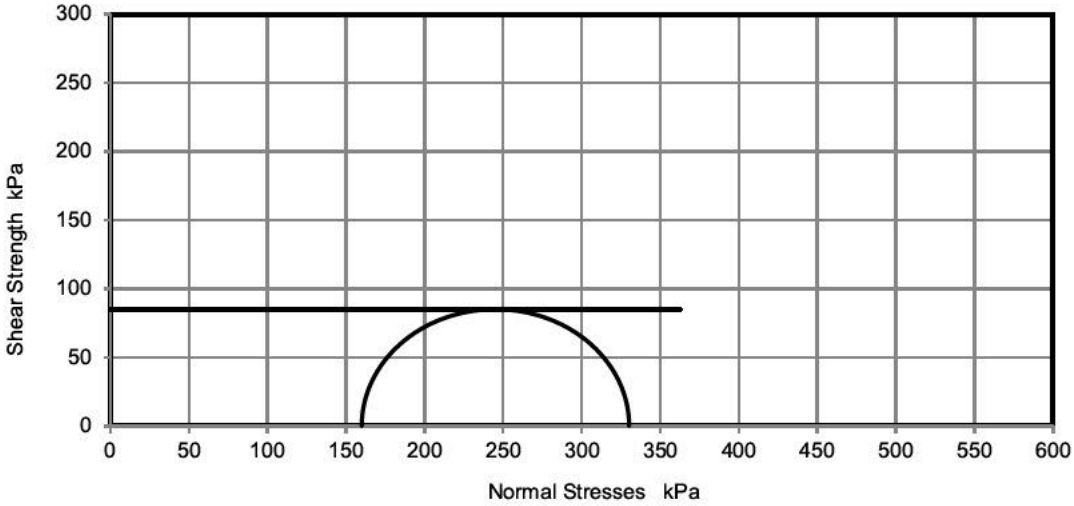
Laboratory Reference:	1123927	Depth Top [m]:	8.00
Hole No.:	BH101	Depth Base [m]:	8.45
Sample Reference:	Not Given	Sample Type:	U
Sample Description:	Grey silty CLAY		

Test Number	1		Rate of Strain	2.00	%/min
Length	193.21	mm	Cell Pressure	160	kPa
Diameter	102.73	mm	Axial Strain at failure	13.6	%
Bulk Density	1.97	Mg/m3	Deviator Stress, (σ1 - σ3)f	170	kPa
Moisture Content	29	%	Undrained Shear Strength, cu	85	kPa ½(σ1 - σ3)f
Dry Density	1.53	Mg/m3	Mode of Failure	Compound	
Membrane Correction	0.76	kPa	Membrane thickness	0.28	mm

Deviator Stress v Axial Strain



Mohr Circles



Position within sample

Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks:

Approved: Dariusz Piotrowski
[redacted] PL Geotechnical Laboratory Manager
[redacted] **Date Reported:** 17/01/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

GF 184.6

[redacted] herein are outside of the scope of the UKAS Accreditation.
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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

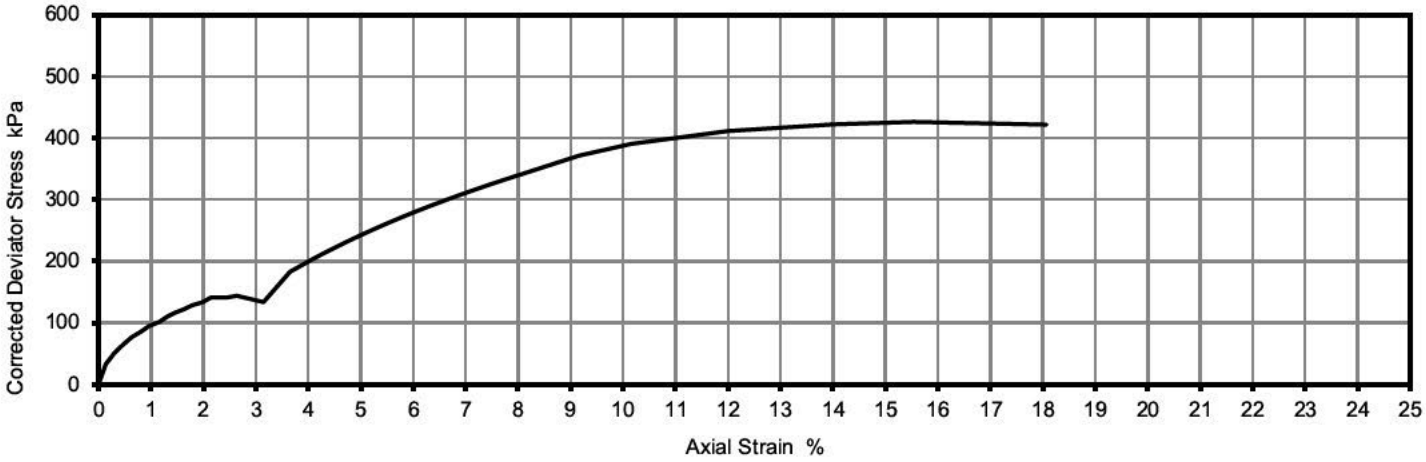
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

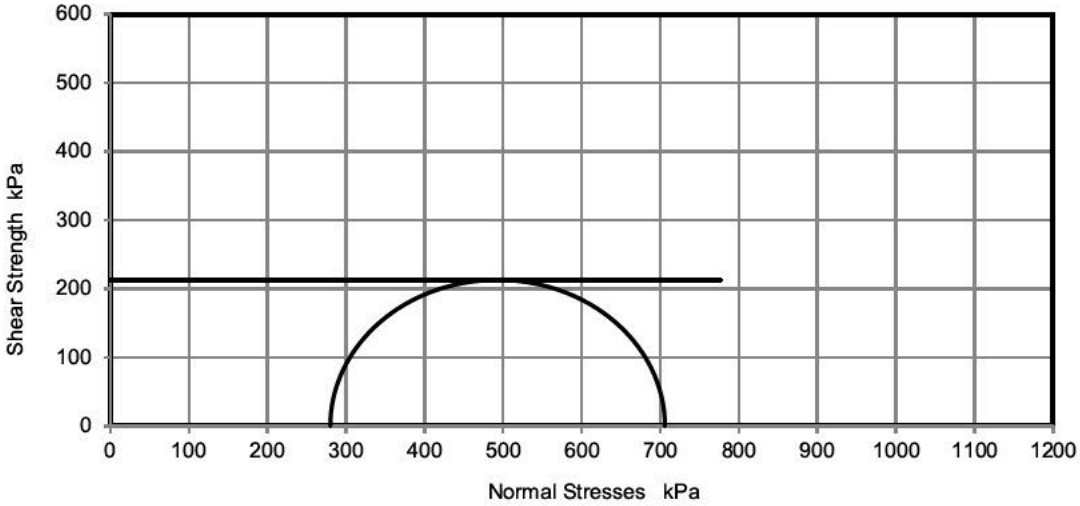
Laboratory Reference:	1123929	Depth Top [m]:	14.00
Hole No.:	BH101	Depth Base [m]:	14.45
Sample Reference:	Not Given	Sample Type:	U
Sample Description:	Dark grey silty CLAY		

Test Number	1		Rate of Strain	2.00	%/min	
Length	168.81	mm	Cell Pressure	280	kPa	
Diameter	103.46	mm	Axial Strain at failure	15.5	%	
Bulk Density	2.05	Mg/m3	Deviator Stress, (σ1 - σ3)f	426	kPa	
Moisture Content	22	%	Undrained Shear Strength, cu	213	kPa	½(σ1 - σ3)f
Dry Density	1.68	Mg/m3	Mode of Failure	Plastic		
Membrane Correction	1.03	kPa	Membrane thickness	0.34	mm	

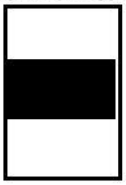
Deviator Stress v Axial Strain



Mohr Circles



Position within sample



Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks: Sample is too short

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 184.6

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

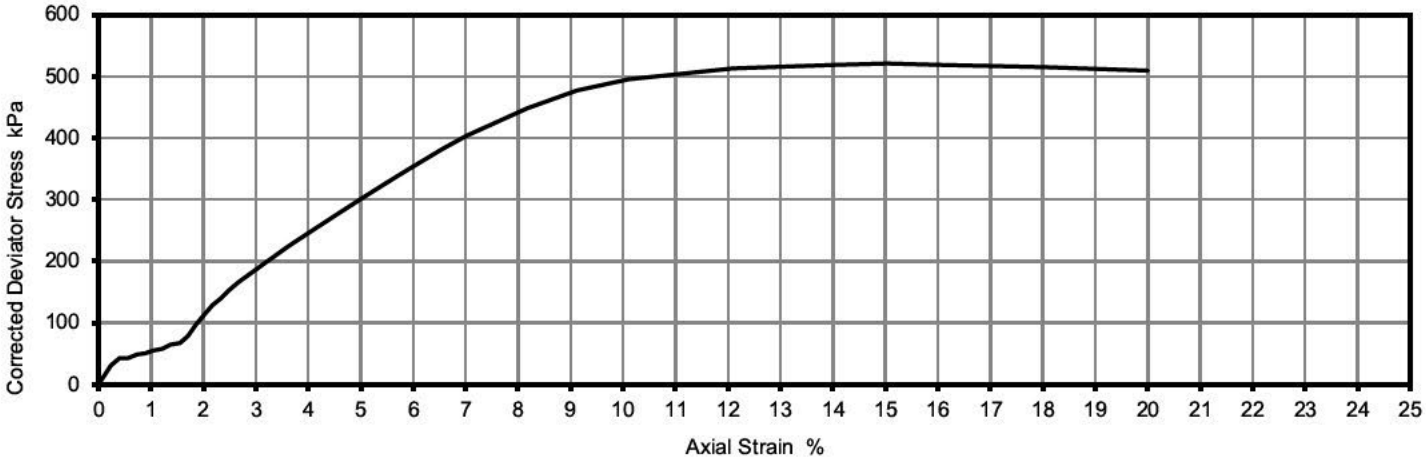
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

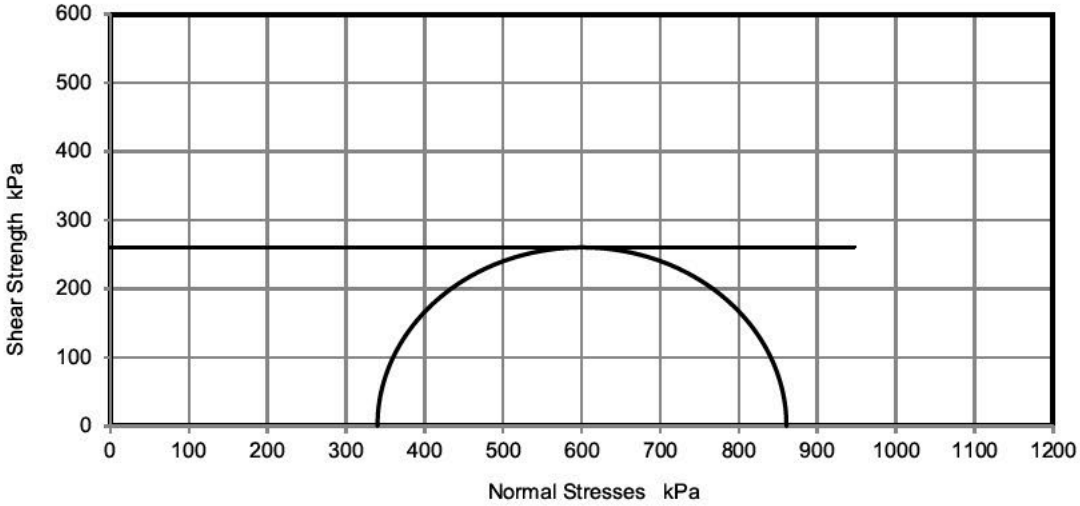
Laboratory Reference:	1123930	Depth Top [m]:	17.00
Hole No.:	BH101	Depth Base [m]:	17.45
Sample Reference:	Not Given	Sample Type:	U
Sample Description:	Dark grey silty CLAY		

Test Number	1		Rate of Strain	2.00	%/min	
Length	195.23	mm	Cell Pressure	340	kPa	
Diameter	103.15	mm	Axial Strain at failure	15.0	%	
Bulk Density	2.06	Mg/m3	Deviator Stress, (σ1 - σ3)f	521	kPa	
Moisture Content	21	%	Undrained Shear Strength, cu	260	kPa	½(σ1 - σ3)f
Dry Density	1.71	Mg/m3	Mode of Failure	Plastic		
Membrane Correction	0.86	kPa	Membrane thickness	0.29	mm	

Deviator Stress v Axial Strain



Mohr Circles



Position within sample

Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks:

Approved: [redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

GF 184.6

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

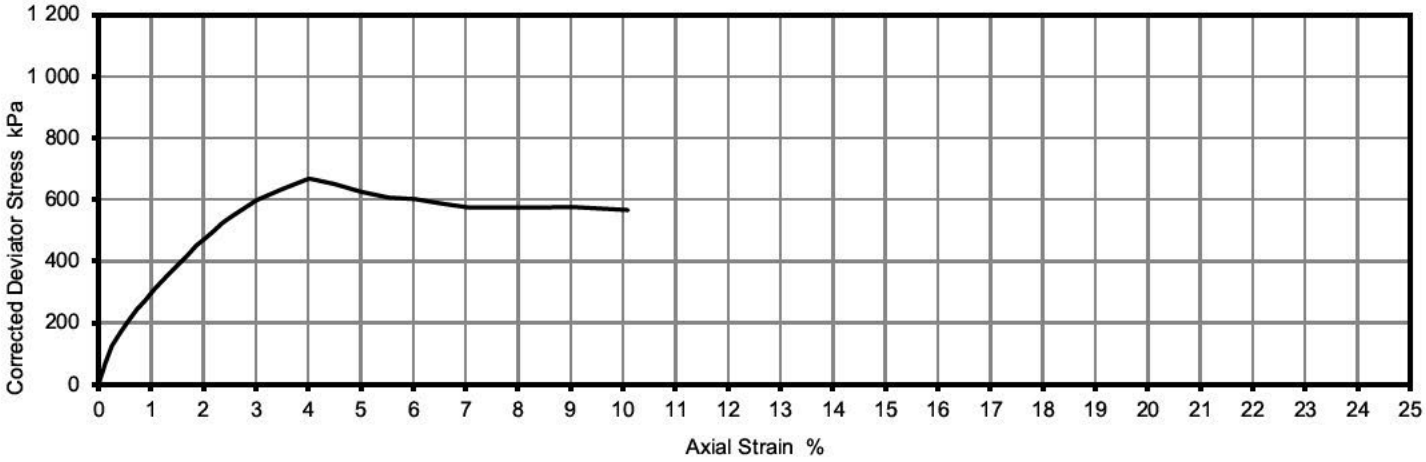
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

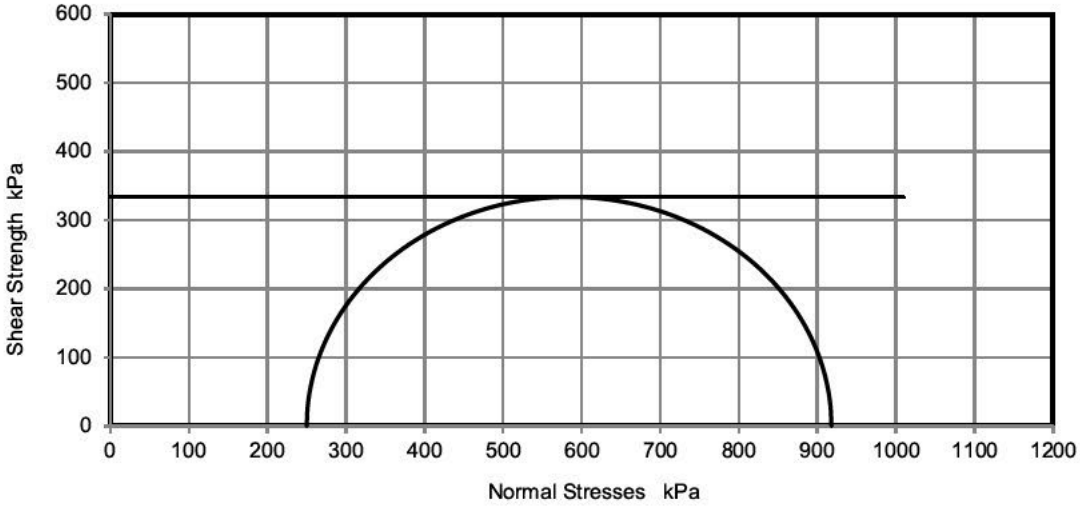
Laboratory Reference:	1123936	Depth Top [m]:	12.50
Hole No.:	BH102	Depth Base [m]:	12.95
Sample Reference:	Not Given	Sample Type:	U
Sample Description:	Dark grey to dark green silty CLAY		

Test Number	1		Rate of Strain	2.00	%/min
Length	137.64	mm	Cell Pressure	250	kPa
Diameter	70.58	mm	Axial Strain at failure	4.0	%
Bulk Density	2.02	Mg/m3	Deviator Stress, (σ1 - σ3)f	668	kPa
Moisture Content	23	%	Undrained Shear Strength, cu	334	kPa ½(σ1 - σ3)f
Dry Density	1.65	Mg/m3	Mode of Failure	Brittle	
Membrane Correction	0.36	kPa	Membrane thickness	0.23	mm

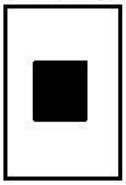
Deviator Stress v Axial Strain



Mohr Circles



Position within sample



Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 184.6

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

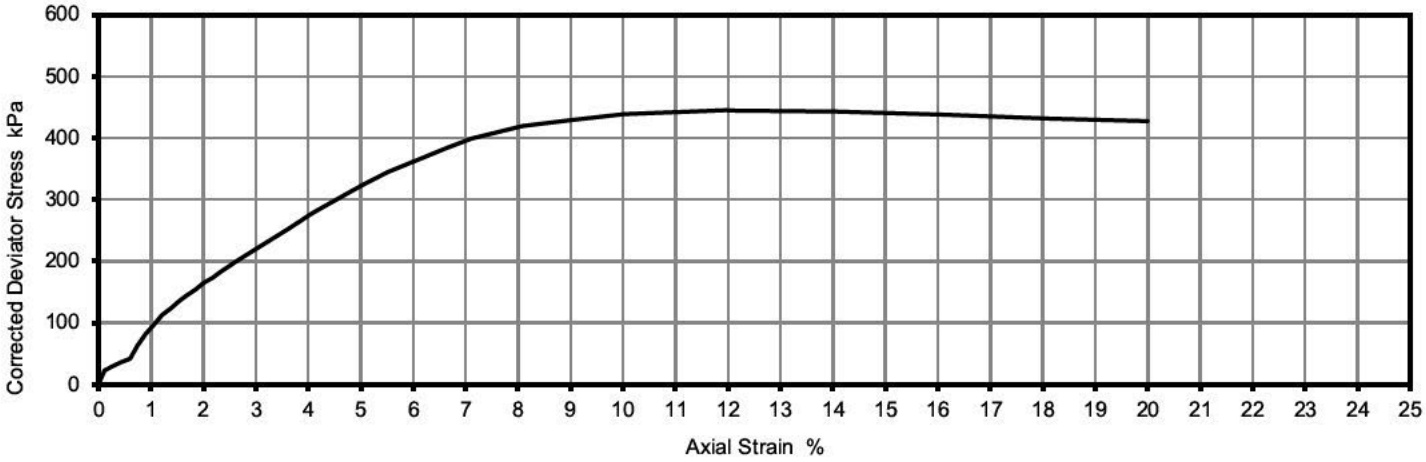
Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23692
		Date Sampled:	Not Given
		Date Received:	18/12/2018
Contact:	Francesca Hammond	Date Tested:	09/01/2019
Site Name:	Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

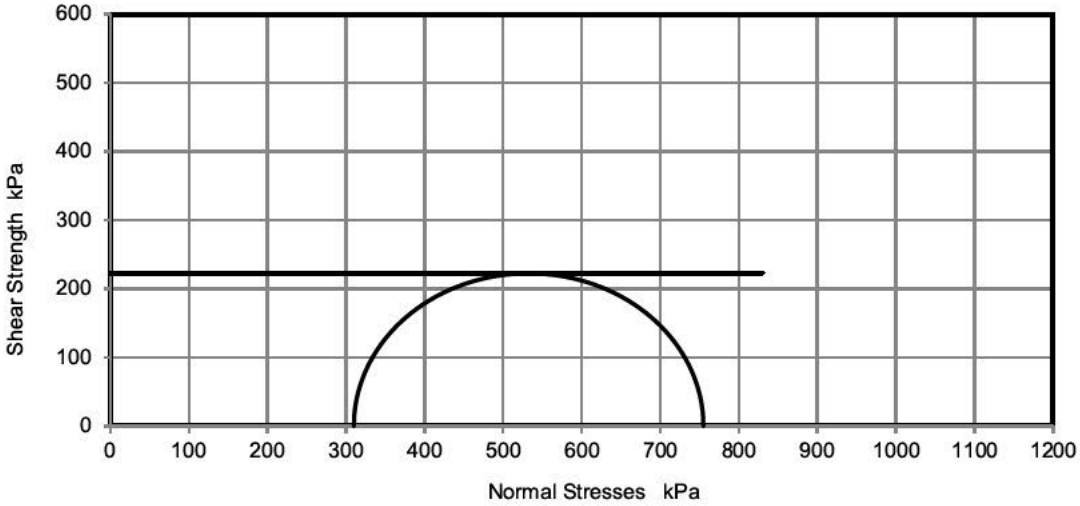
Laboratory Reference:	1123938	Depth Top [m]:	15.50
Hole No.:	BH102	Depth Base [m]:	15.95
Sample Reference:	Not Given	Sample Type:	U
Sample Description:	Dark grey silty CLAY		

Test Number	1		Rate of Strain	1.96	%/min	
Length	204.52	mm	Cell Pressure	310	kPa	
Diameter	102.79	mm	Axial Strain at failure	12.0	%	
Bulk Density	2.03	Mg/m3	Deviator Stress, (σ1 - σ3)f	445	kPa	
Moisture Content	22	%	Undrained Shear Strength, cu	222	kPa	½(σ1 - σ3)f
Dry Density	1.67	Mg/m3	Mode of Failure	Compound		
Membrane Correction	0.62	kPa	Membrane thickness	0.25	mm	

Deviator Stress v Axial Strain



Mohr Circles



Position within sample

Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 184.6

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

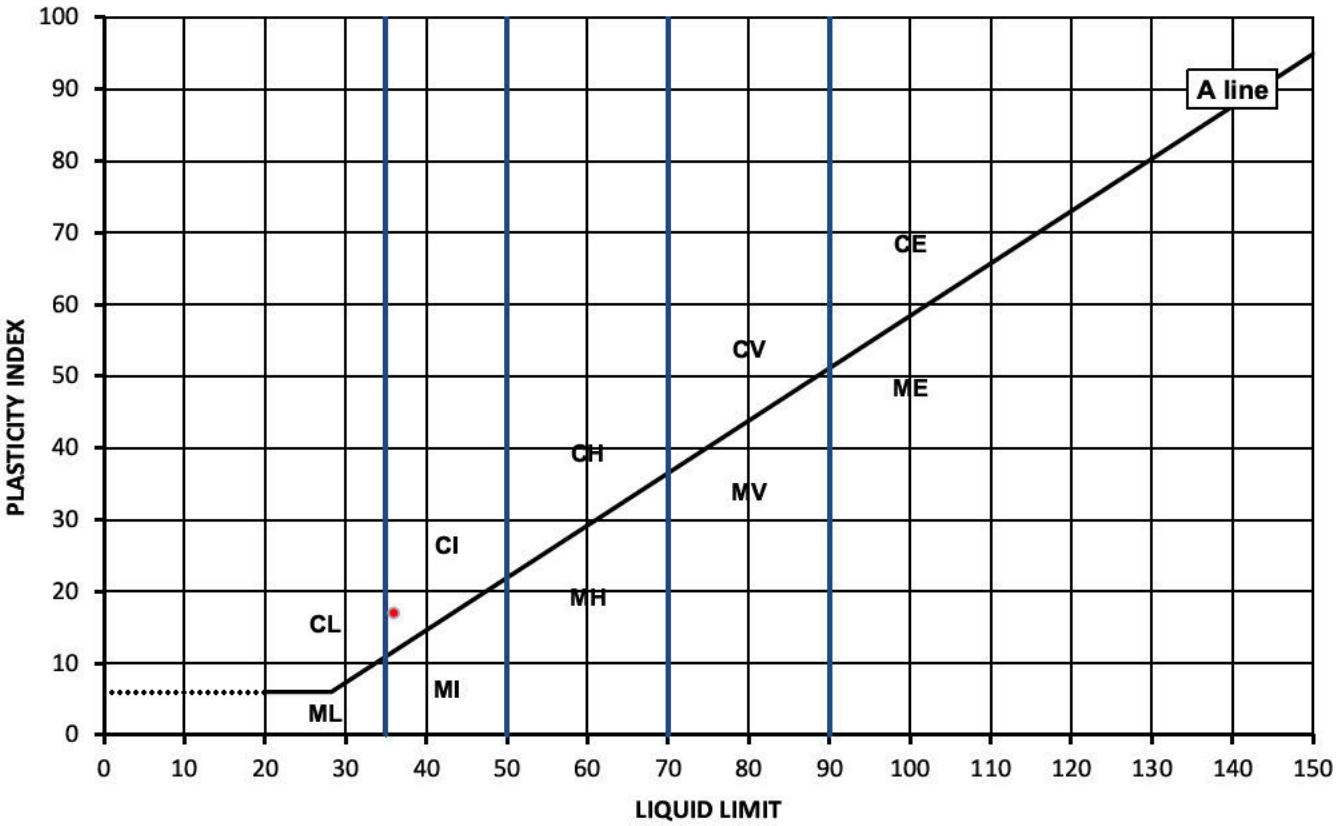
Client:	Delta-Simons	Client Reference:	17108005
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23913
		Date Sampled:	17/12/2018
		Date Received:	04/01/2019
Contact:	Francesca Hammond	Date Tested:	12/01/2019
Site Name:	Eastleigh Works	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1125088	Depth Top [m]:	1.50
Hole No.:	HP-DS103	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Brown sandy CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
26	36	19	17	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 236.3

[redacted]ressed here in are outside of the scope of the UKAS Accreditation.
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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

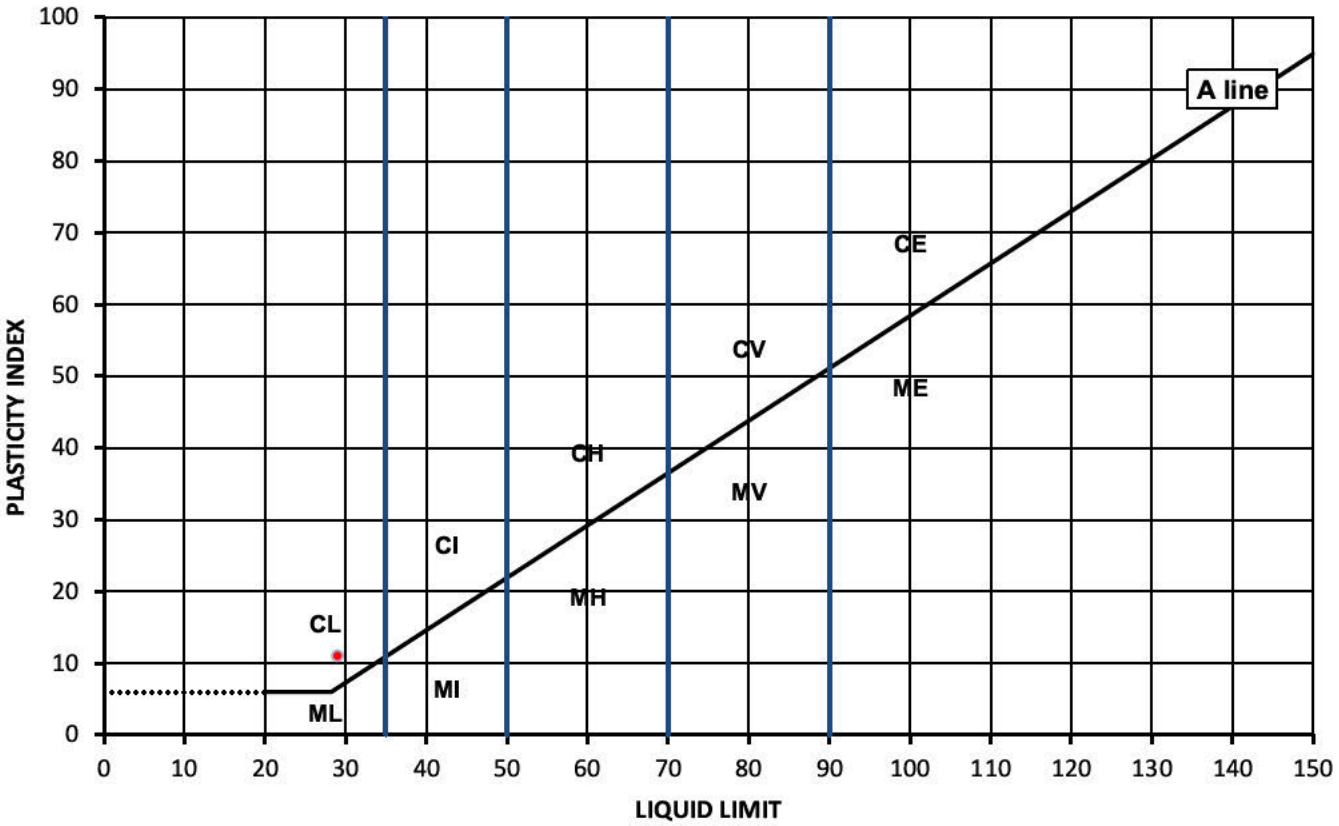
Client:	Delta-Simons	Client Reference:	17108005
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-23913
		Date Sampled:	17/12/2018
		Date Received:	04/01/2019
Contact:	Francesca Hammond	Date Tested:	12/01/2019
Site Name:	Eastleigh Works	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1125089	Depth Top [m]:	2.00
Hole No.:	HP-DS101	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Brown very sandy CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
23	29	18	11	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 17/01/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

GF 236.3

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The analysis was carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland."

for and on behalf of i2 Analytical Ltd

SUMMARY REPORT

Summary of Classification Test Results

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

UKAS TESTING 4041

Tested in Accordance with:

MC by BS 1377-2: 1990: Clause 3.2; Atterberg by BS 1377-2: 1990: Clause 4.3, Clause 4.4 and 5; PD by BS 1377-2: 1990: Clause 8.2

Client: Delta-Simons
Client Address: 20 Little Britain, London, EC1A 7DH
Contact: Francesca Hammond
Site Name: Eastleigh Works
Site Address: Not Given

Client Reference: 17108005
Job Number: 19-23913
Date Sampled: 17/12/2018
Date Received: 04/01/2019
Date Tested: 12/01/2019
Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	MC#	Atterberg#				Density		Total Porosity				
		Reference	Depth Top	Depth Base	Type				% Passing 425um	LL	PL	PI	bulk	PD					
			m	m				%	%	%	%	%	Mg/m3	Mg/m3	%				
1125089	HP-DS101	Not Given	2.00	Not Given	D	Brown very sandy CLAY	Atterberg 4 Point	23	100	29	18	11							
1125088	HP-DS103	Not Given	1.50	Not Given	D	Brown sandy CLAY	Atterberg 4 Point	26	100	36	19	17							

Note: # UKAS accredited; NP - Non plastic

Comments:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 17/01/2019

Signed: Darren Berrill
Geotechnical General Manager
[redacted]

GF 238.5

for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

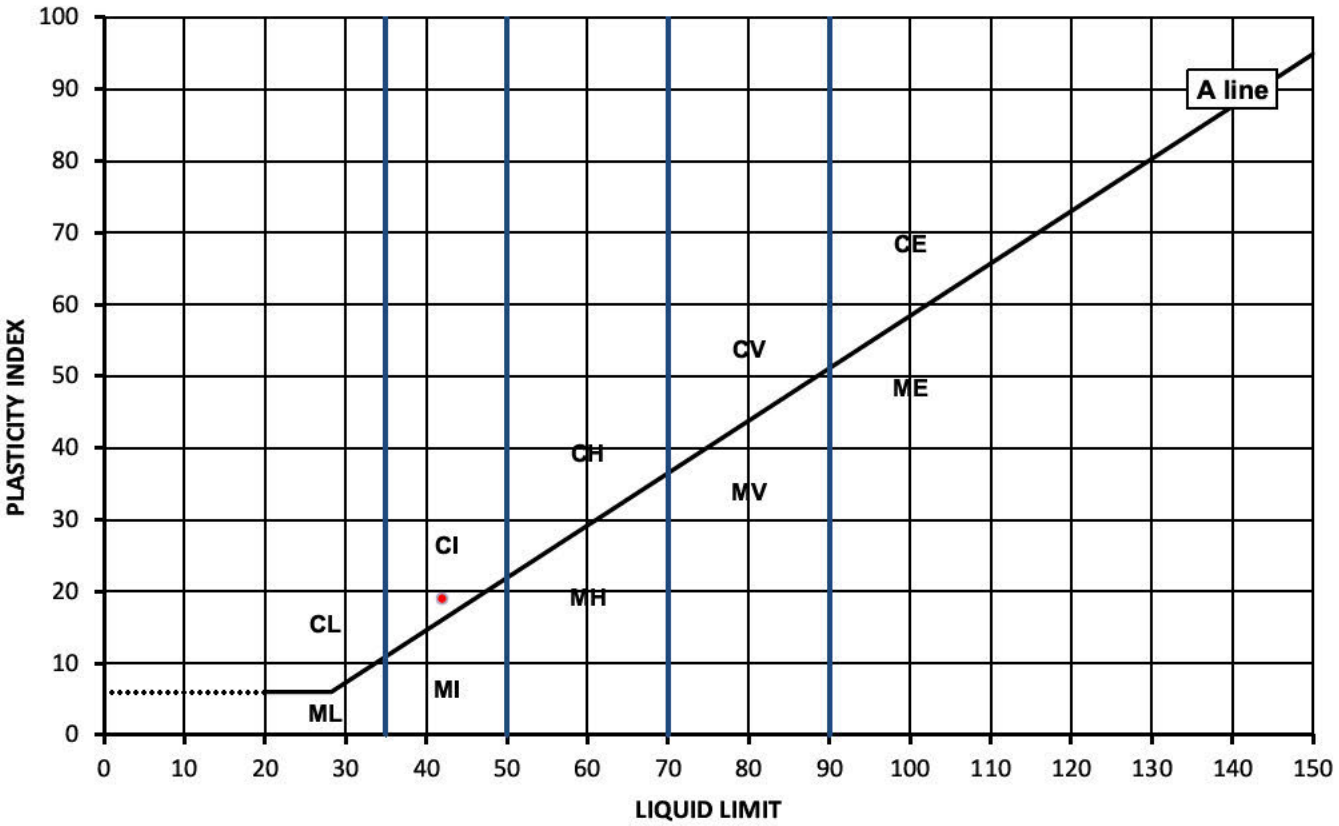
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-24832
		Date Sampled:	Not Given
		Date Received:	09/01/2019
Contact:	Francesca Hammond	Date Tested:	21/01/2019
Site Name:	Eastleigh Works	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1131395	Depth Top [m]:	1.50
Hole No.:	BH103	Depth Base [m]:	1.95
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Dark brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >425um removed by hand		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
16	42	23	19	93



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
[redacted]PL Geotechnical Laboratory Manager
[redacted]**ate Reported:** 28/01/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

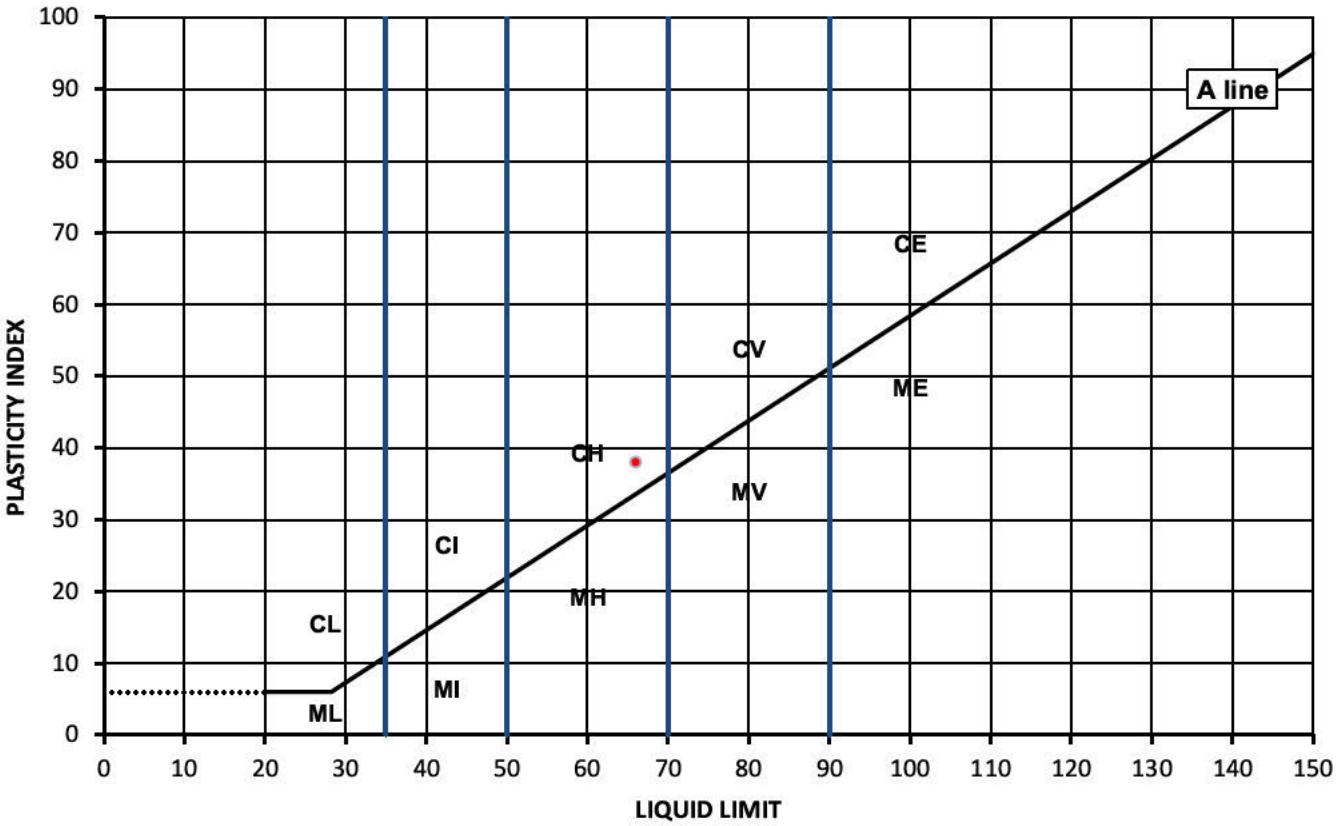
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-24832
		Date Sampled:	Not Given
		Date Received:	09/01/2019
Contact:	Francesca Hammond	Date Tested:	21/01/2019
Site Name:	Eastleigh Works	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1131397	Depth Top [m]:	7.00
Hole No.:	BH103	Depth Base [m]:	7.45
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Dark brown mottled grey CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
26	66	28	38	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 28/01/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

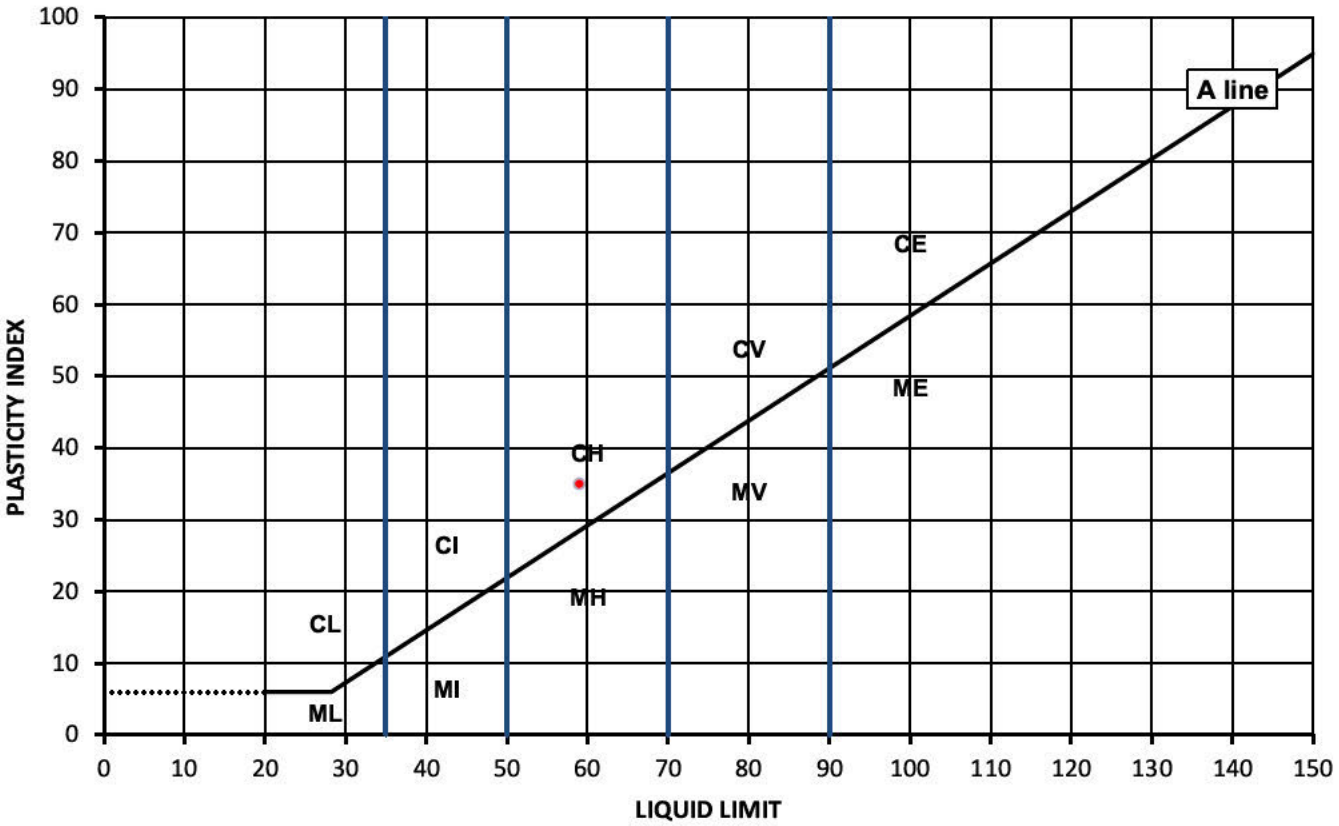
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-24832
		Date Sampled:	Not Given
		Date Received:	09/01/2019
Contact:	Francesca Hammond	Date Tested:	21/01/2019
Site Name:	Eastleigh Works	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1131398	Depth Top [m]:	13.00
Hole No.:	BH103	Depth Base [m]:	13.50
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Dark brown slightly sandy CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
28	59	24	35	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 28/01/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

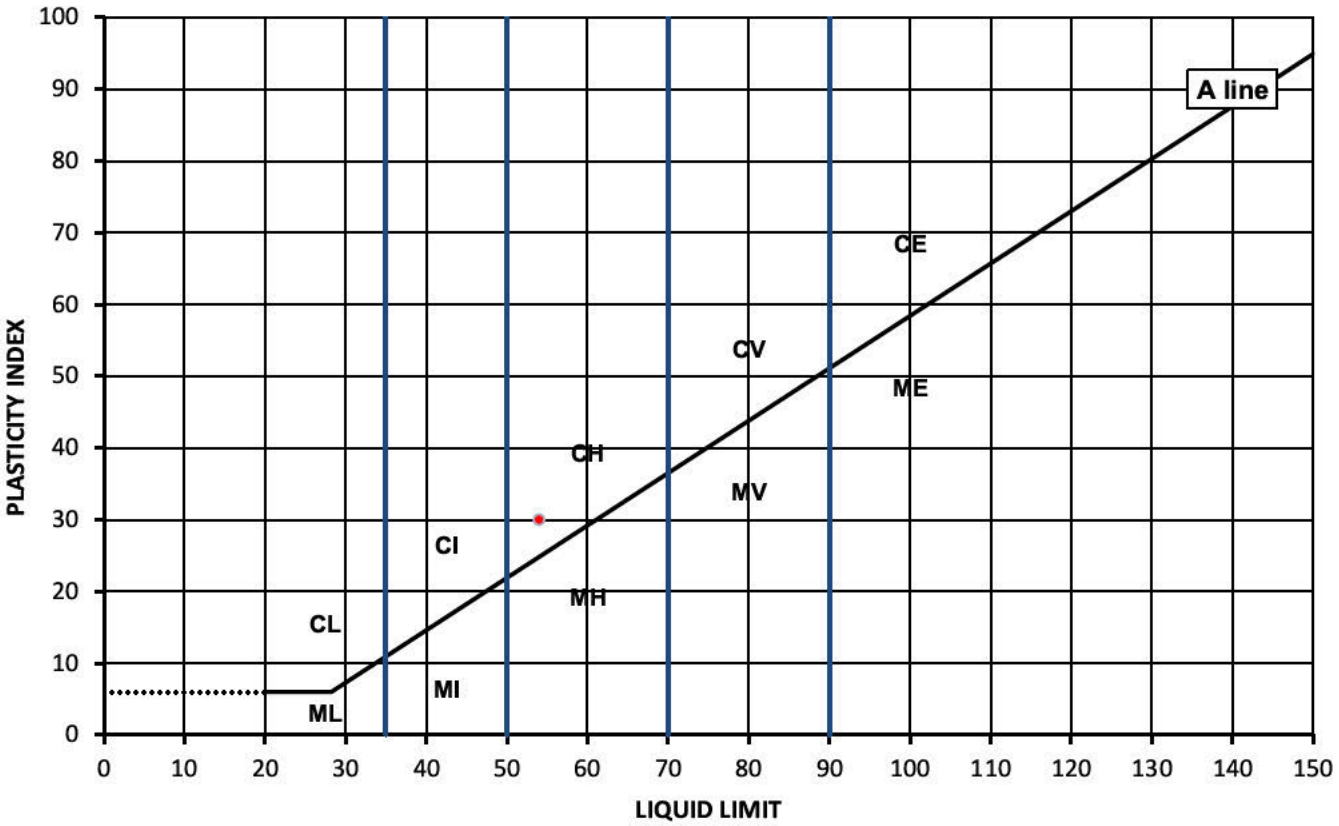
Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-24832
		Date Sampled:	Not Given
		Date Received:	09/01/2019
Contact:	Francesca Hammond	Date Tested:	21/01/2019
Site Name:	Eastleigh Works	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1131399	Depth Top [m]:	16.00
Hole No.:	BH103	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Soil Description:	Grey slightly sandy CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
28	54	24	30	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 28/01/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

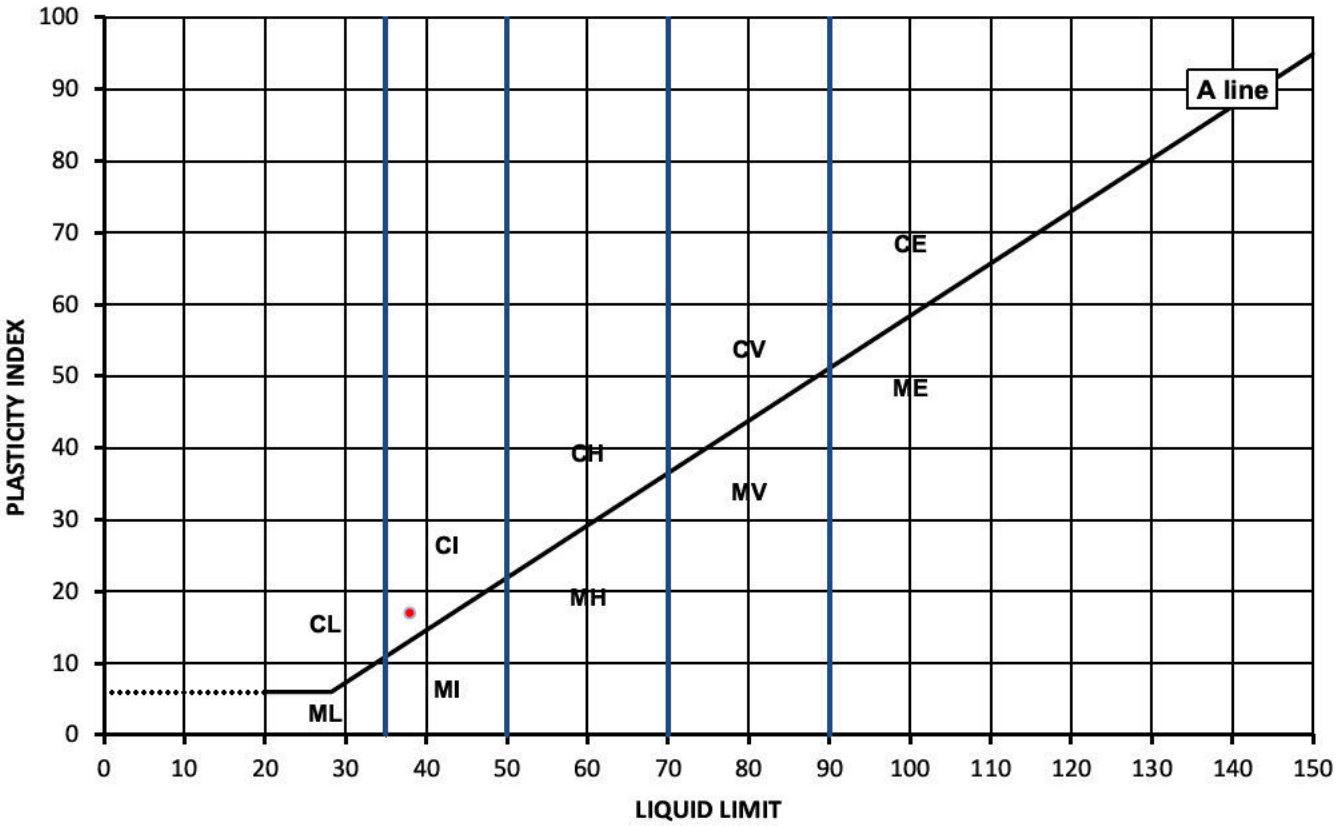
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-24832
		Date Sampled:	Not Given
		Date Received:	09/01/2019
Contact:	Francesca Hammond	Date Tested:	21/01/2019
Site Name:	Eastleigh Works	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1131400	Depth Top [m]:	19.50
Hole No.:	BH103	Depth Base [m]:	19.95
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Dark brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >425um removed by hand		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
21	38	21	17	98



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 28/01/2019

Signed: Darren Berrill
Geotechnical General Manager
[redacted]

GF 236.3

for and on behalf of i2 Analytical Ltd

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SUMMARY REPORT

Summary of Classification Test Results

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

UKAS TESTING 4041

Tested in Accordance with:

MC by BS 1377-2: 1990: Clause 3.2; Atterberg by BS 1377-2: 1990: Clause 4.3, Clause 4.4 and 5; PD by BS 1377-2: 1990: Clause 8.2

Client: Delta-Simons

Client Address: 20 Little Britain, London, EC1A 7DH

Contact: Francesca Hammond

Site Name: Eastleigh Works

Site Address: Not Given

Client Reference: 17-1080.05

Job Number: 19-24832

Date Sampled: Not Given

Date Received: 09/01/2019

Date Tested: 21/01/2019

Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	MC#	Atterberg#				Density		Total Porosity				
		Reference	Depth Top	Depth Base	Type				% Passing 425um	LL	PL	PI	bulk	PD					
			m	m				%	%	%	%	%	Mg/m3	Mg/m3	%				
1131394	BH103	Not Given	0.30	0.70	B	Dark grey clayey very sandy GRAVEL		36*											
1131395	BH103	Not Given	1.50	1.95	D	Dark brown slightly gravelly sandy CLAY	Atterberg 4 Point	16	93	42	23	19							
1131397	BH103	Not Given	7.00	7.45	D	Dark brown mottled grey CLAY	Atterberg 4 Point	26	100	66	28	38							
1131398	BH103	Not Given	13.00	13.50	D	Dark brown slightly sandy CLAY	Atterberg 4 Point	28	100	59	24	35							
1131399	BH103	Not Given	16.00	Not Given	B	Grey slightly sandy CLAY	Atterberg 4 Point	28	100	54	24	30							
1131400	BH103	Not Given	19.50	19.95	D	Dark brown slightly gravelly sandy CLAY	Atterberg 4 Point	21	98	38	21	17							

Note: # UKAS accredited; NP - Non plastic

Comments: *Gravel is very porosity

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 28/01/2019

Signed: Darren Berrill
Geotechnical General Manager
[redacted]

GF 238.5

for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

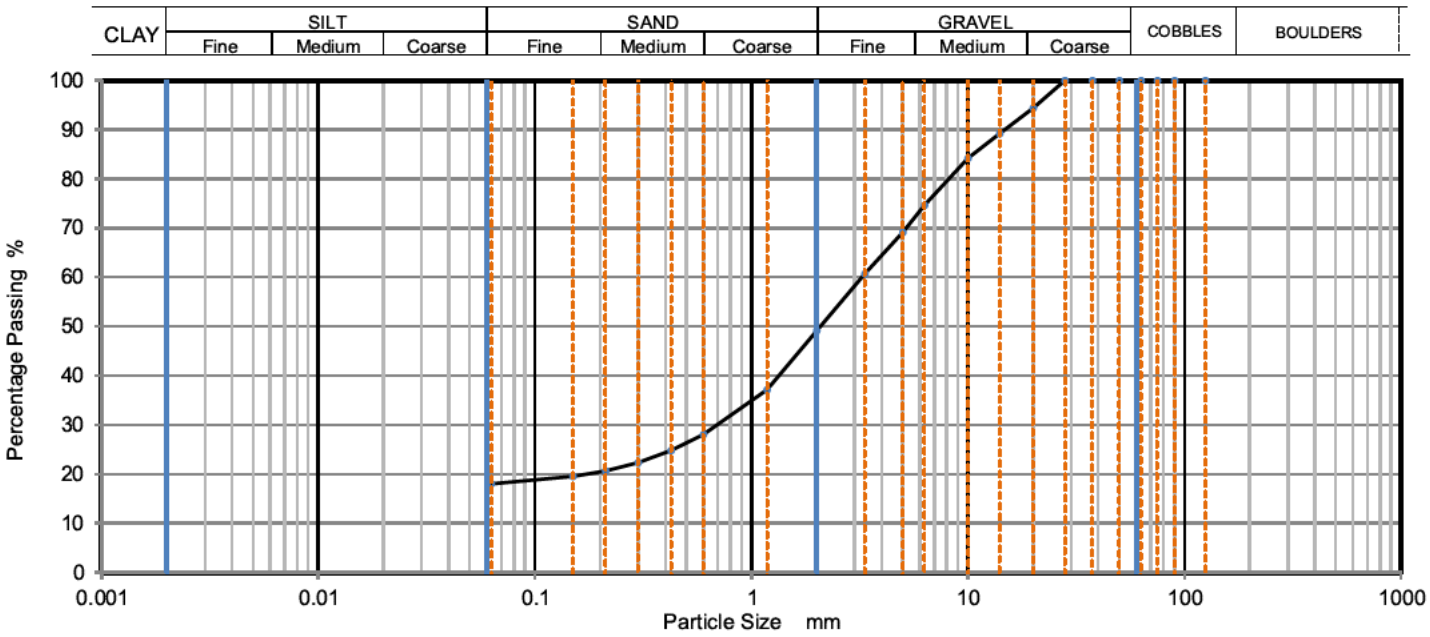
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-24832
		Date Sampled:	Not Given
		Date Received:	09/01/2019
Contact:	Francesca Hammond	Date Tested:	18/01/2019
Site Name:	Eastleigh Works	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1131394	Depth Top [m]:	0.30
Hole No.:	BH103	Depth Base [m]:	0.70
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark grey clayey very sandy GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	94		
14	89		
10	84		
6.3	75		
5	69		
3.35	61		
2	49		
1.18	37		
0.6	28		
0.425	25		
0.3	22		
0.212	21		
0.15	20		
0.063	19		

Dry Mass of sample [g]: 1146

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	50.90
Sand	30.50
Fines <0.063mm	18.60

Grading Analysis		
D100	mm	28
D60	mm	3.25
D30	mm	0.695
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 28/01/2019

Signed: Darren Berrill

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

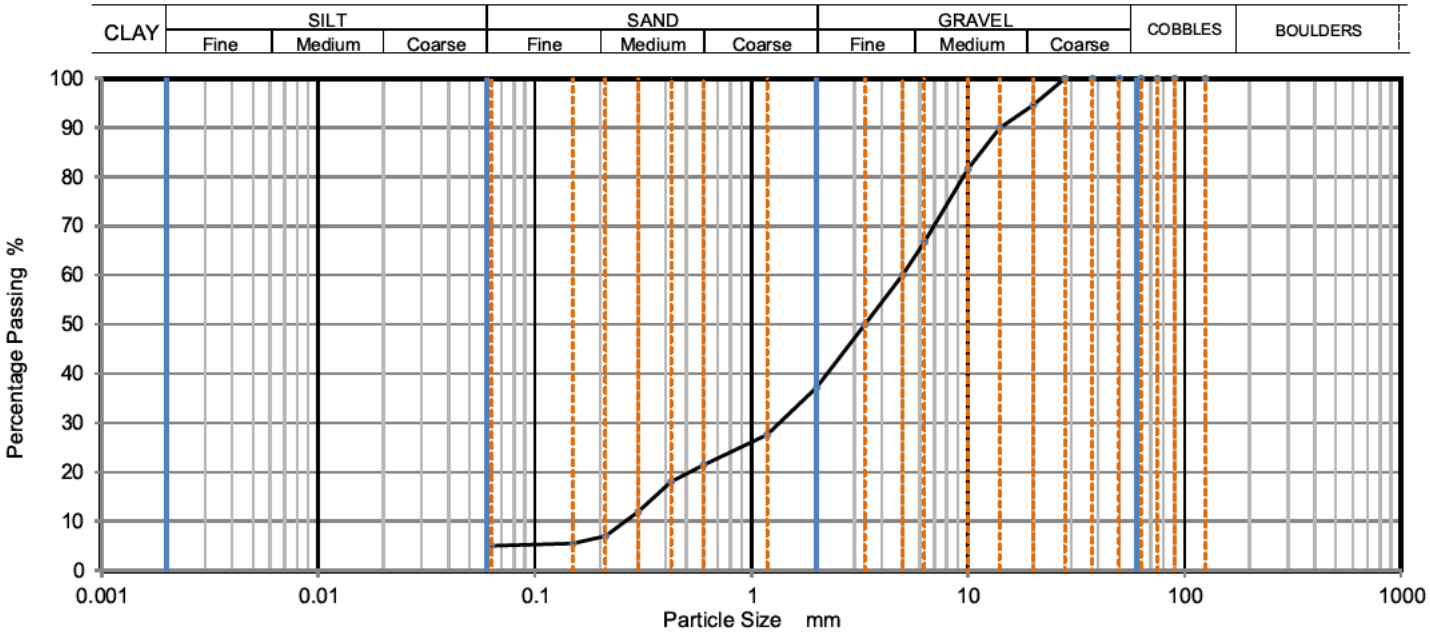
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-24832
		Date Sampled:	Not Given
		Date Received:	09/01/2019
Contact:	Francesca Hammond	Date Tested:	18/01/2019
Site Name:	Eastleigh Works	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1131396	Depth Top [m]:	3.00
Hole No.:	BH103	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown very sandy slightly clayey GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	95		
14	90		
10	82		
6.3	67		
5	60		
3.35	50		
2	37		
1.18	28		
0.6	21		
0.425	18		
0.3	12		
0.212	7		
0.15	6		
0.063	5		

Dry Mass of sample [g]: 2607

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	62.80
Sand	32.10
Fines <0.063mm	5.10

Grading Analysis		
D100	mm	28
D60	mm	4.97
D30	mm	1.35
D10	mm	0.262
Uniformity Coefficient		19
Curvature Coefficient		1.4

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks:

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 28/01/2019

Signed: Darren Berrill
[redacted]

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for and on behalf of i2 Analytical Ltd

Francesca Hammond
Delta-Simons
Suite C1
Joseph's Well
Hanover Walk
Leeds
LS3 1AB

e: francesca.hammond@deltasimons.com

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

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

Analytical Report Number : 19-25868

Project / Site name:	Easleigh Works, Eastleigh	**Samples received on:**	18/01/2019
Your job number:	17-1080.05	**Samples instructed on:**	21/01/2019
Your order number:	DS43410	**Analysis completed by:**	08/02/2019
Report Issue Number:	1	**Report issued on:**	08/02/2019
Samples Analysed:	10 soil samples		

[redacted]

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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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 19-25868

Project / Site name: Easleigh Works, Eastleigh
Your Order No: DS43410

Lab Sample Number				1137713	1137714	1137715	1137716	1137717
Sample Reference				BH104 (B9)	BH105 (B8)	BH105 (B10)	BH106 (B9)	BH109 (D3)
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				8.00	7.00	9.00	7.00	8.80-8.90
Date Sampled				10/01/2019	14/01/2019	14/01/2019	16/01/2019	15/01/2019
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	%	N/A	NONE	20	24	24	7.3	21
Total mass of sample received	kg	0.001	NONE	0.42	0.51	0.53	0.54	0.55

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.0	7.8	7.9	8.4	7.9
Total Sulphate as SO_4	%	0.005	MCERTS	0.109	0.058	0.052	-	0.083
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	800	500	260	20	640
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.40	0.25	0.13	0.010	0.32
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	398	250	128	10.2	318
Total Sulphur	%	0.005	MCERTS	0.774	0.363	0.236	-	0.406

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 19-25868

Project / Site name: Easleigh Works, Eastleigh
Your Order No: DS43410

Lab Sample Number				1137718	1137719	1137720	1137721	1137722
Sample Reference				BH110	BH110	TP124	TP127	TP122
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				7.00	10.00	None Supplied	None Supplied	None Supplied
Date Sampled				11/01/2019	11/01/2019	16/01/2019	16/01/2019	16/01/2019
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	%	N/A	NONE	20	21	13	11	13
Total mass of sample received	kg	0.001	NONE	0.29	0.31	0.47	0.49	0.49

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.0	8.2	8.0	8.2	9.3
Total Sulphate as SO_4	%	0.005	MCERTS	0.048	0.039	0.166	0.147	0.165
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	460	210	150	54	630
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.23	0.11	0.075	0.027	0.31
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	230	107	74.9	26.9	315
Total Sulphur	%	0.005	MCERTS	0.737	0.689	0.091	0.084	0.090

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Analytical Report Number : 19-25868

Project / Site name: Easleigh Works, Eastleigh

* 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 *
1137713	BH104 (B9)	None Supplied	8.00	Brown clay with gravel.
1137714	BH105 (B8)	None Supplied	7.00	Grey sandy clay.
1137715	BH105 (B10)	None Supplied	9.00	Grey clay and sand.
1137716	BH106 (B9)	None Supplied	7.00	Light brown sand with gravel.
1137717	BH109 (D3)	None Supplied	8.80-8.90	Grey sandy clay.
1137718	BH110	None Supplied	7.00	Grey clay.
1137719	BH110	None Supplied	10.00	Grey clay.
1137720	TP124	None Supplied	None Supplied	Brown loam and clay with gravel and vegetation.
1137721	TP127	None Supplied	None Supplied	Brown loam and sand with gravel and vegetation.
1137722	TP122	None Supplied	None Supplied	Brown loam and clay with gravel and vegetation.

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Analytical Report Number : 19-25868

Project / Site name: Easleigh Works, Eastleigh

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	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
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 based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L038	D	MCERTS
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 based on BS1377 Part 3, 1990, and MEWAM 2006 Methods for the Determination of Metals in Soil	L038	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

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TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

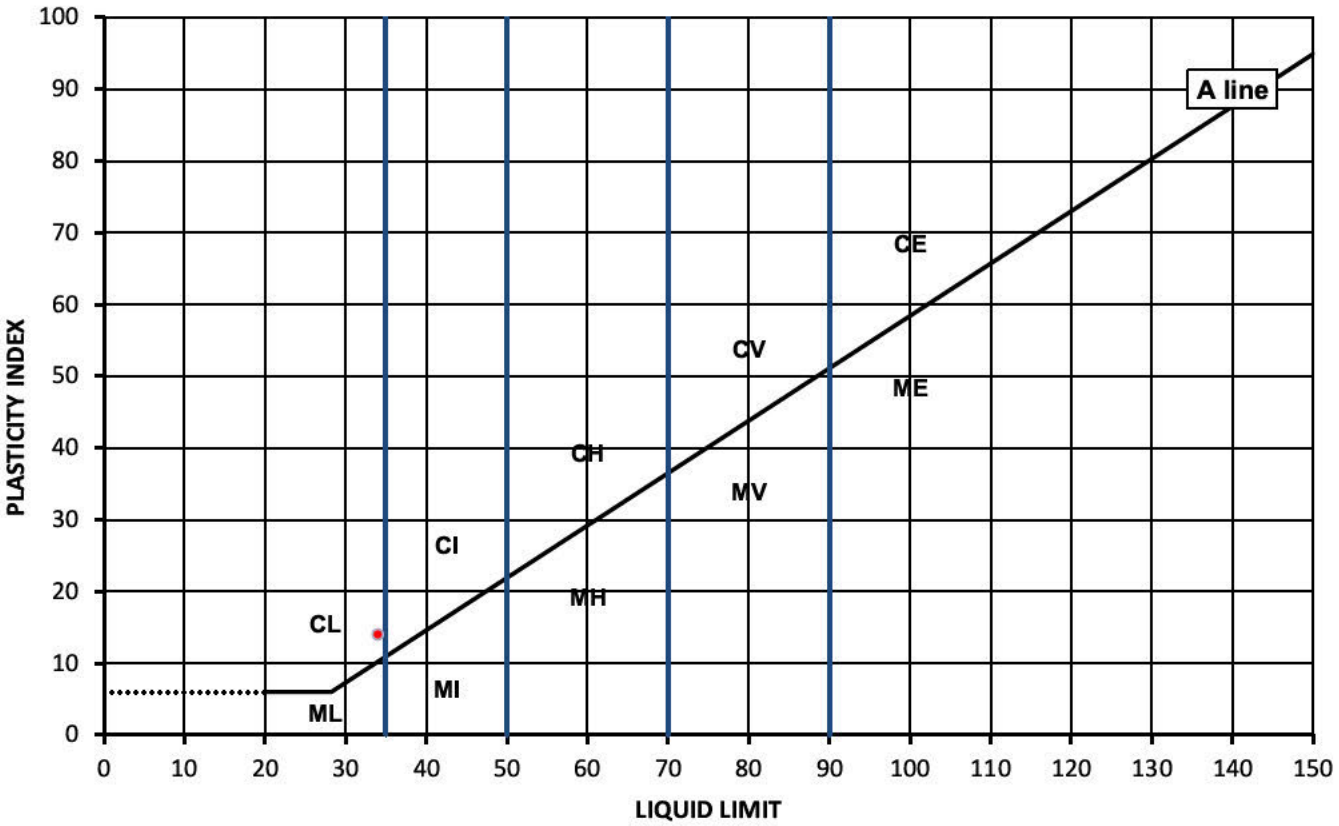
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	09/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137735	Depth Top [m]:	1.50
Hole No.:	BH104	Depth Base [m]:	Not Given
Sample Reference:	D1	Sample Type:	D
Soil Description:	Orangish brown gravelly very sandy CLAY		
Sample Preparation:	Tested after washing to remove >425um		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
18	34	20	14	76



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

[redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

[redacted] Darren Berrill
Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

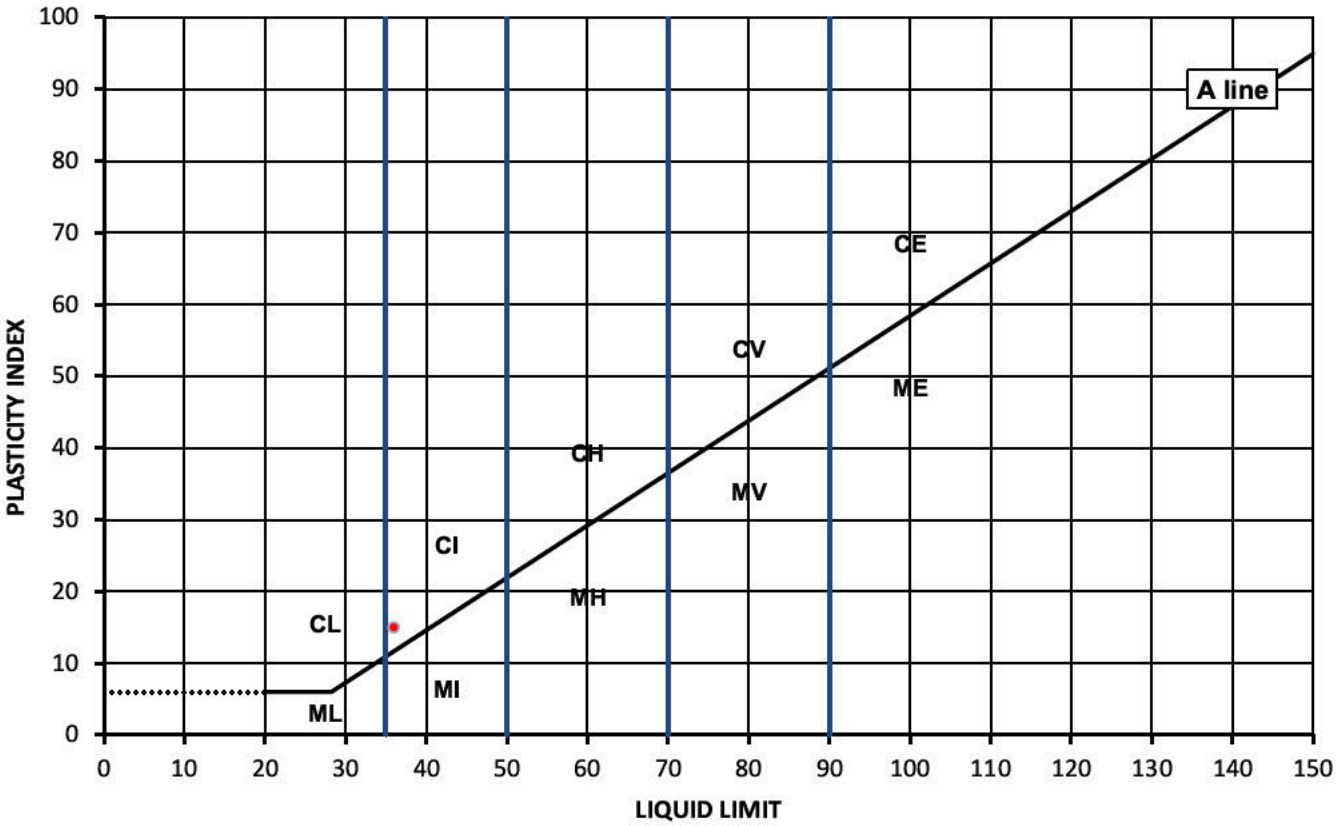
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	11/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137739	Depth Top [m]:	1.50
Hole No.:	BH105	Depth Base [m]:	1.80
Sample Reference:	U1	Sample Type:	U
Soil Description:	Greyish brown slightly silty sandy CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
23	36	21	15	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

[redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

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Watford Herts WD18 8YS

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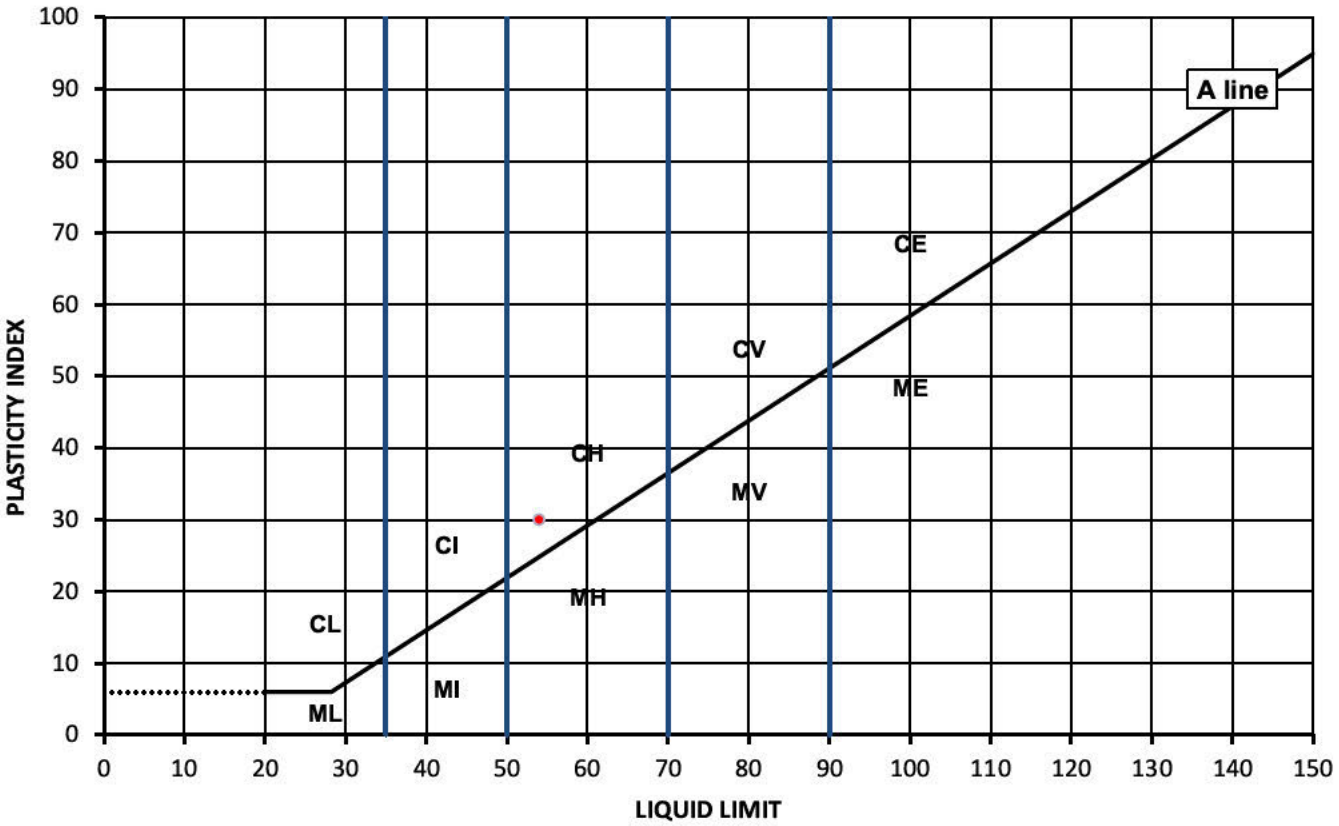
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	14/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137742	Depth Top [m]:	7.00
Hole No.:	BH105	Depth Base [m]:	7.25
Sample Reference:	U2	Sample Type:	U
Soil Description:	Brownish grey slightly silty slightly sandy CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
29	54	24	30	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

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Watford Herts WD18 8YS

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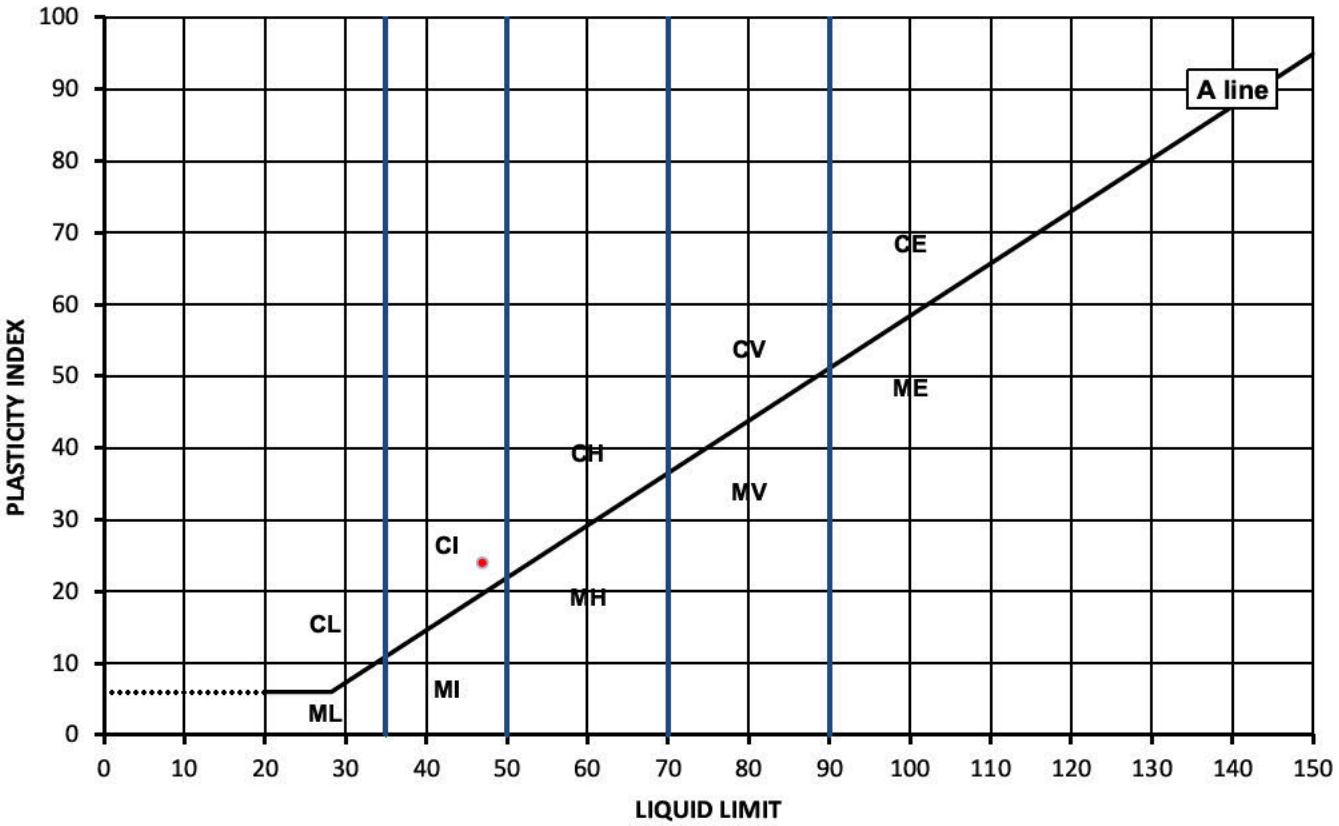
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	14/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	20/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137743	Depth Top [m]:	10.00
Hole No.:	BH105	Depth Base [m]:	10.30
Sample Reference:	U3	Sample Type:	U
Soil Description:	Grey slightly gravelly slightly sandy CLAY		

Sample Preparation: Tested after >425um removed by hand

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
33	47	23	24	99



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

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Croxley Green Business Park
Watford Herts WD18 8YS

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

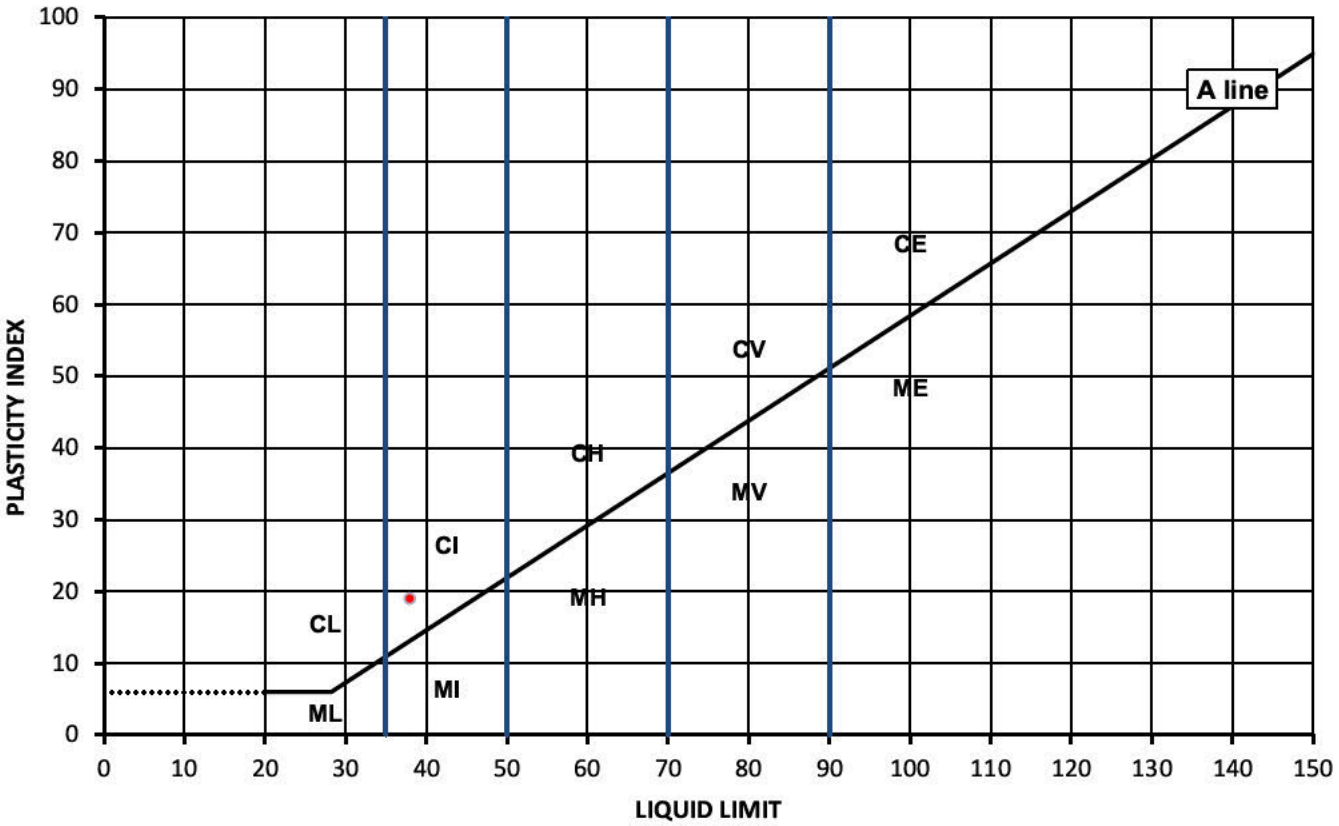
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	14/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137747	Depth Top [m]:	1.50
Hole No.:	BH109	Depth Base [m]:	1.80
Sample Reference:	U1	Sample Type:	U
Soil Description:	Brown slightly gravelly sandy CLAY		

Sample Preparation: Tested after washing to remove >425um

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
22	38	19	19	89



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted] Geotechnical Laboratory Manager
[redacted]**ate Reported:** 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

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7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

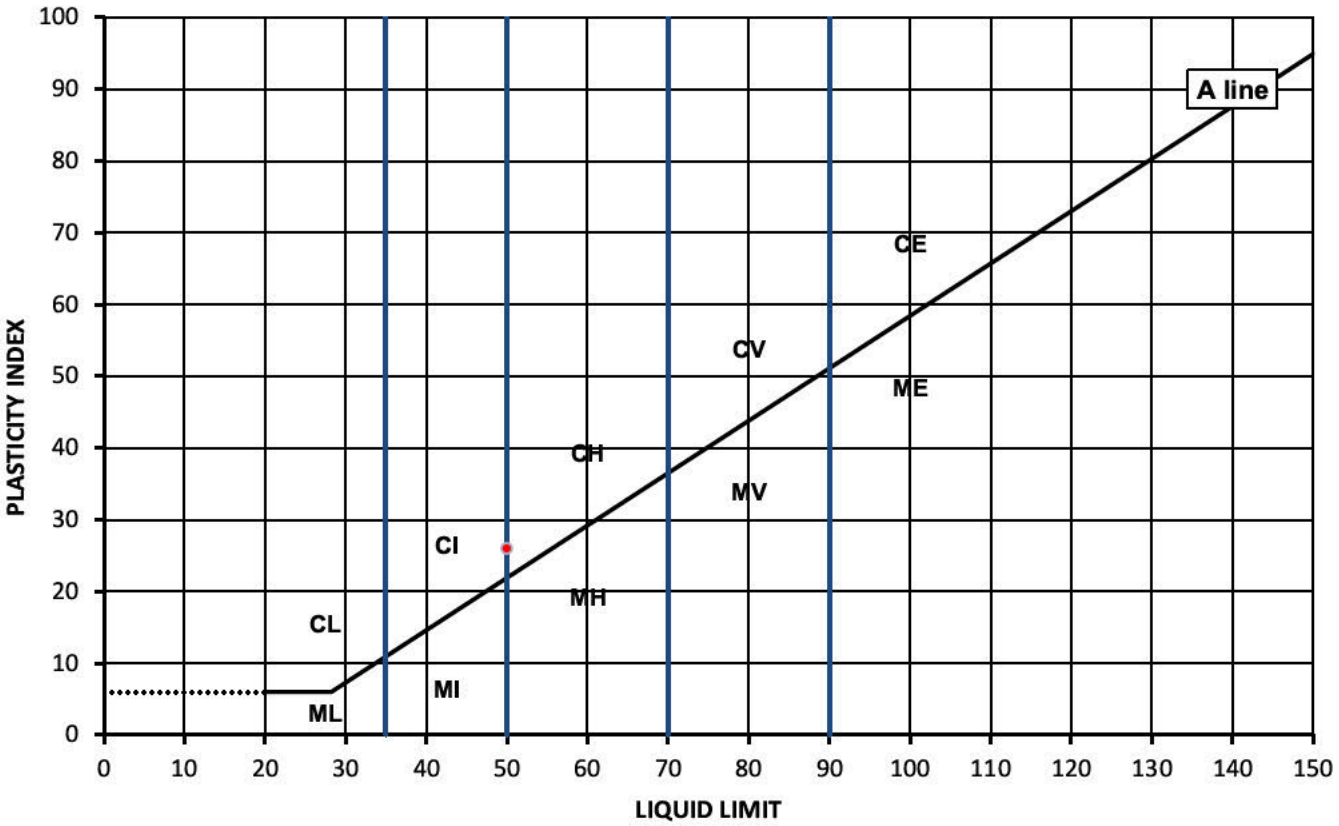
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	15/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137750	Depth Top [m]:	8.50
Hole No.:	BH109	Depth Base [m]:	8.80
Sample Reference:	U2	Sample Type:	U
Soil Description:	Greyish brown silty CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
32	50	24	26	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted] Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

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TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

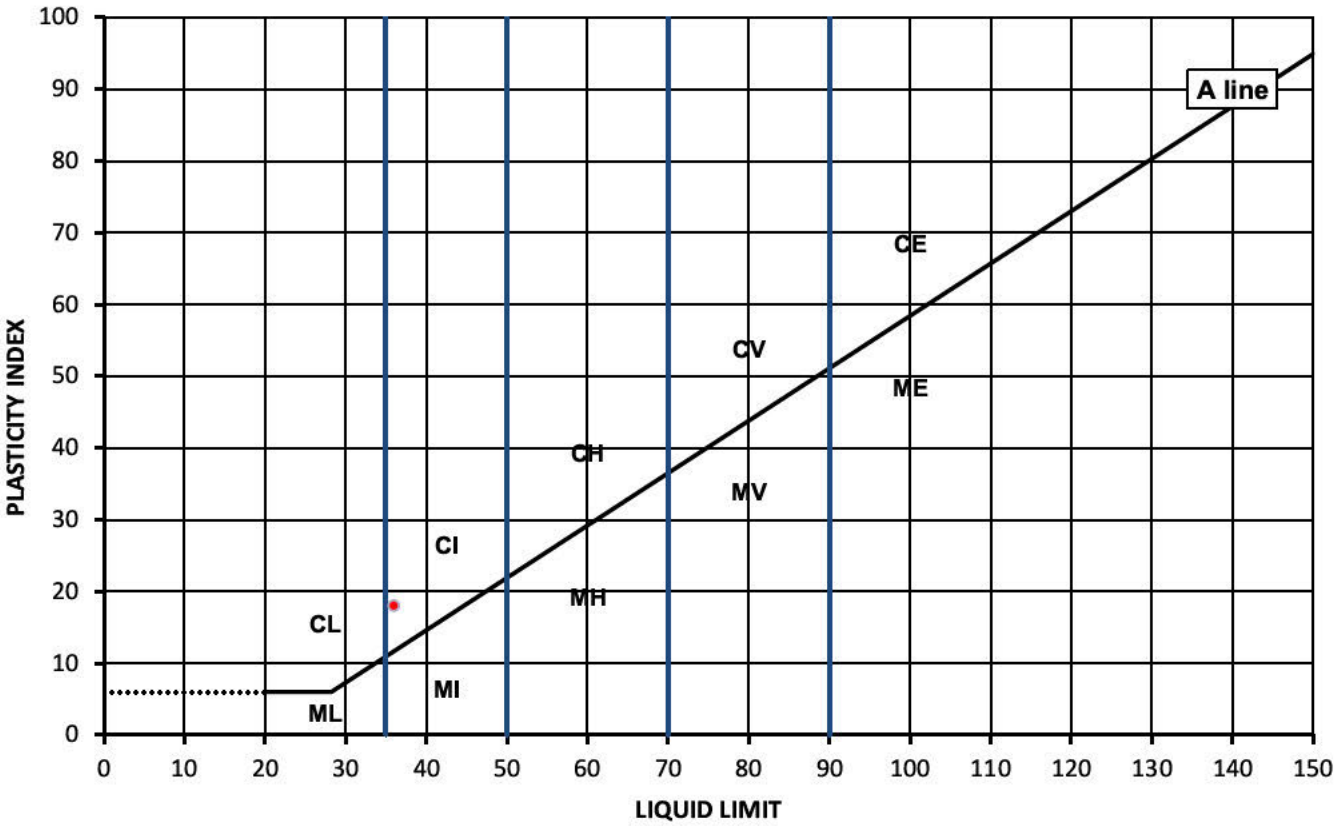
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	16/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137753	Depth Top [m]:	3.60
Hole No.:	BH111	Depth Base [m]:	Not Given
Sample Reference:	U2	Sample Type:	U
Soil Description:	Brown slightly gravelly sandy CLAY		

Sample Preparation: Tested after washing to remove >425um

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
21	36	18	18	94



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]L Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted]
Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

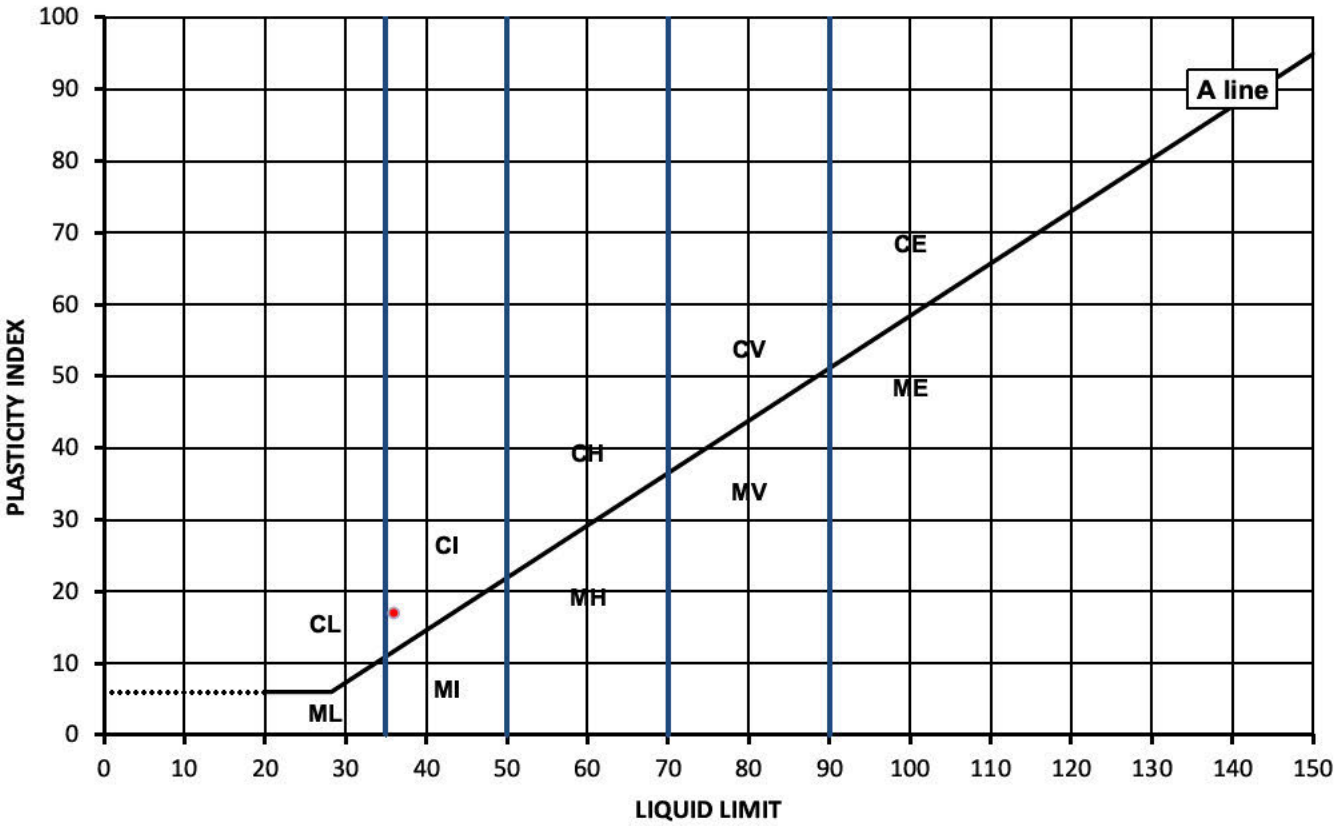
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	11/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137754	Depth Top [m]:	1.50
Hole No.:	BH110	Depth Base [m]:	Not Given
Sample Reference:	U1	Sample Type:	U
Soil Description:	Greyish brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after washing to remove >425um		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
22	36	19	17	95



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

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The analysis was carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland."

for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

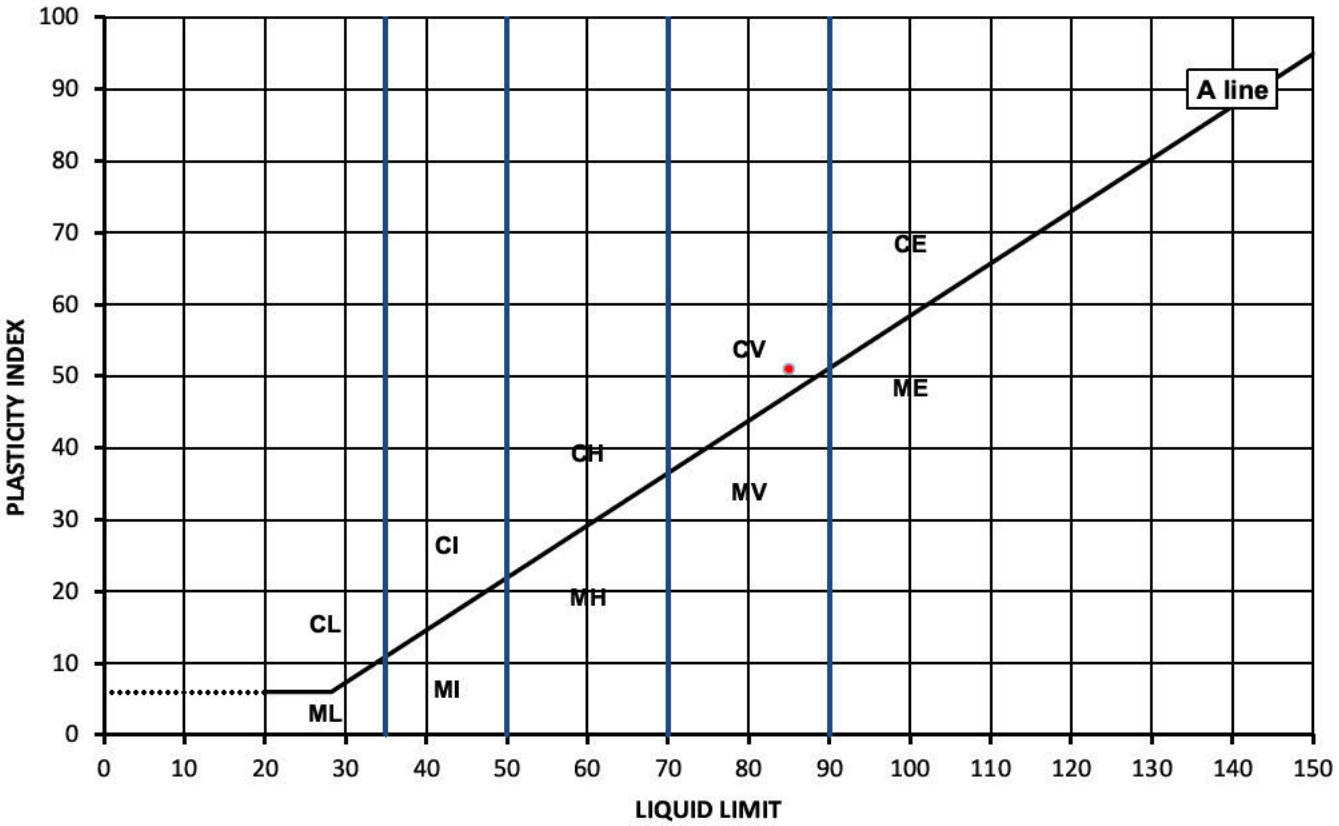
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	11/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137755	Depth Top [m]:	8.50
Hole No.:	BH110	Depth Base [m]:	Not Given
Sample Reference:	U2	Sample Type:	U
Soil Description:	Brownish grey CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
33	85	34	51	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

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Watford Herts WD18 8YS

4041

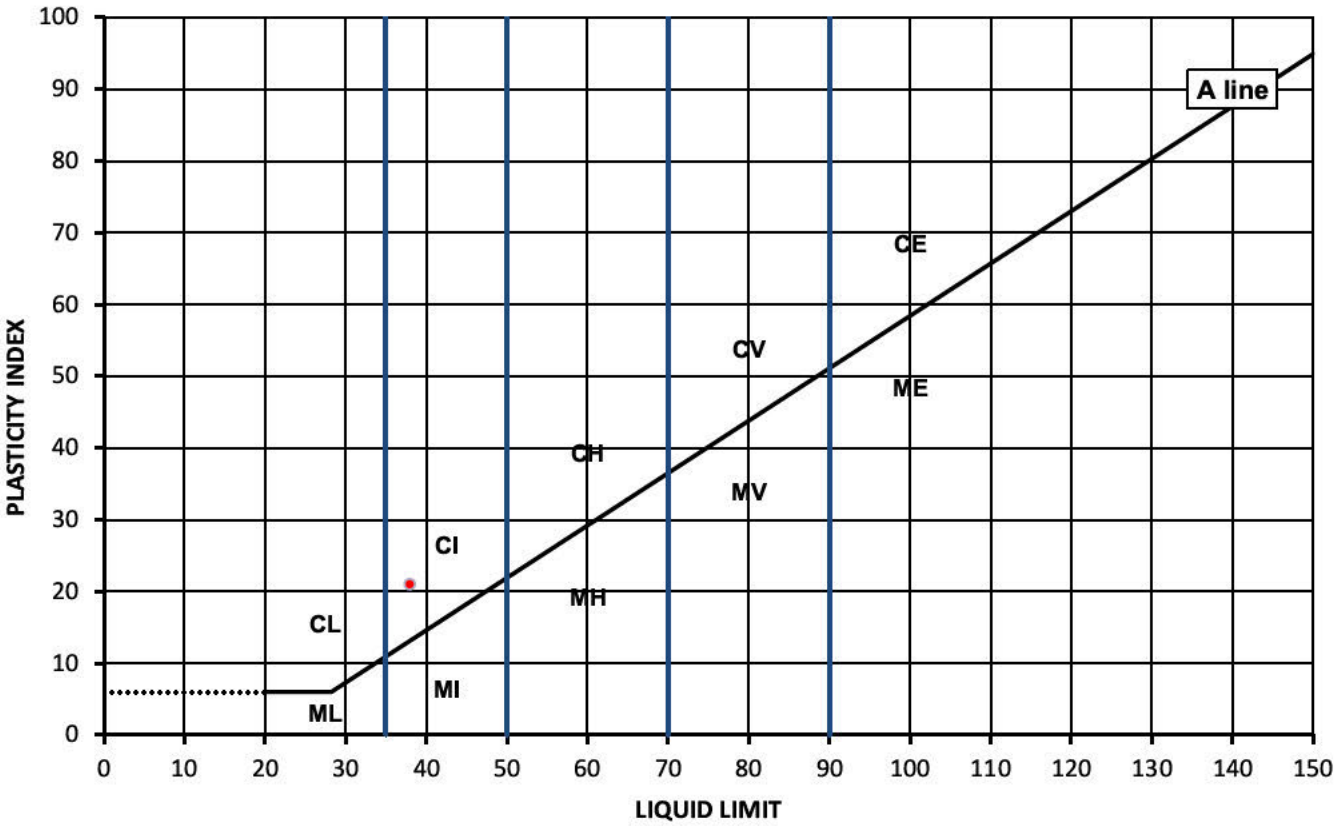
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	16/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137756	Depth Top [m]:	1.10
Hole No.:	DS110	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Orangish brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >425um removed by hand		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
21	38	17	21	98



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

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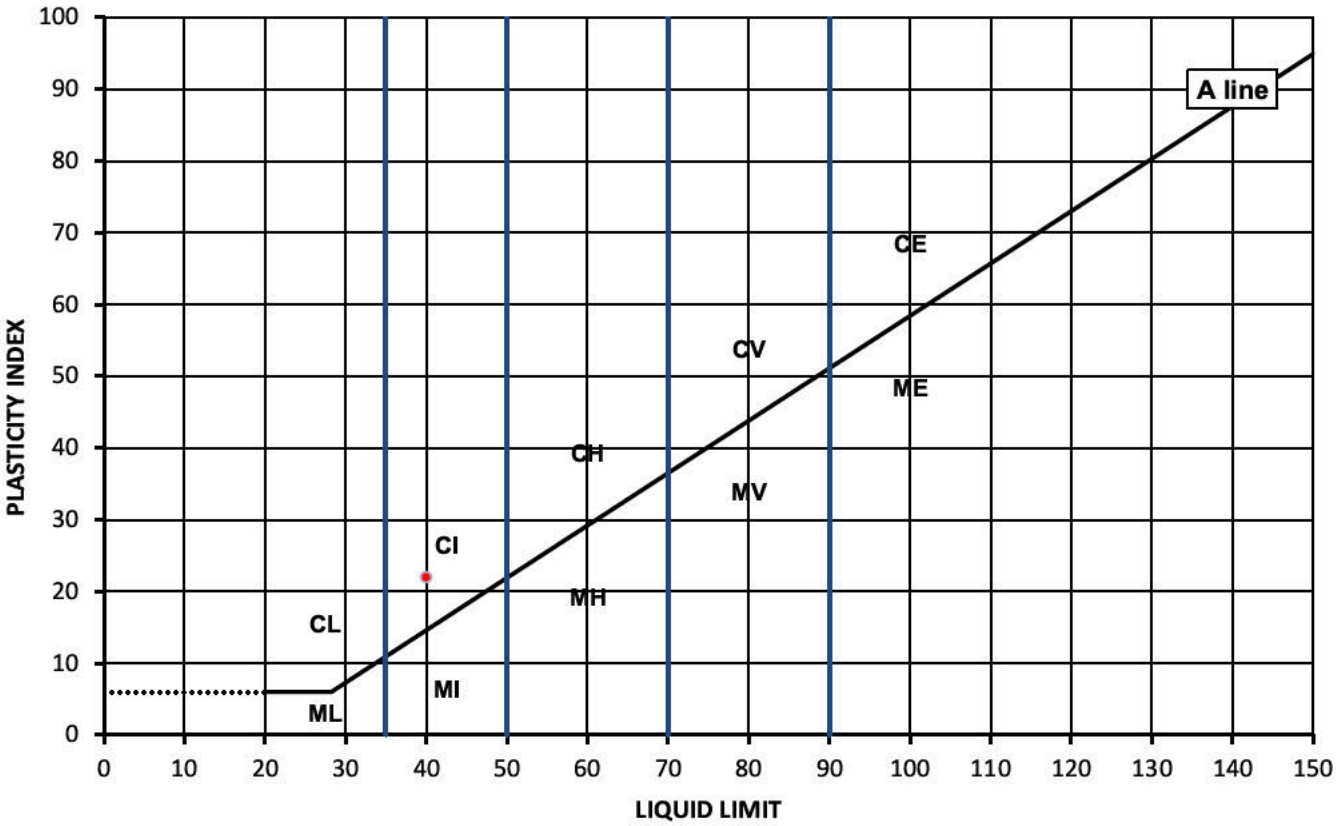
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	16/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137757	Depth Top [m]:	1.20
Hole No.:	DS111	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Orangish brown sandy CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
21	40	18	22	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

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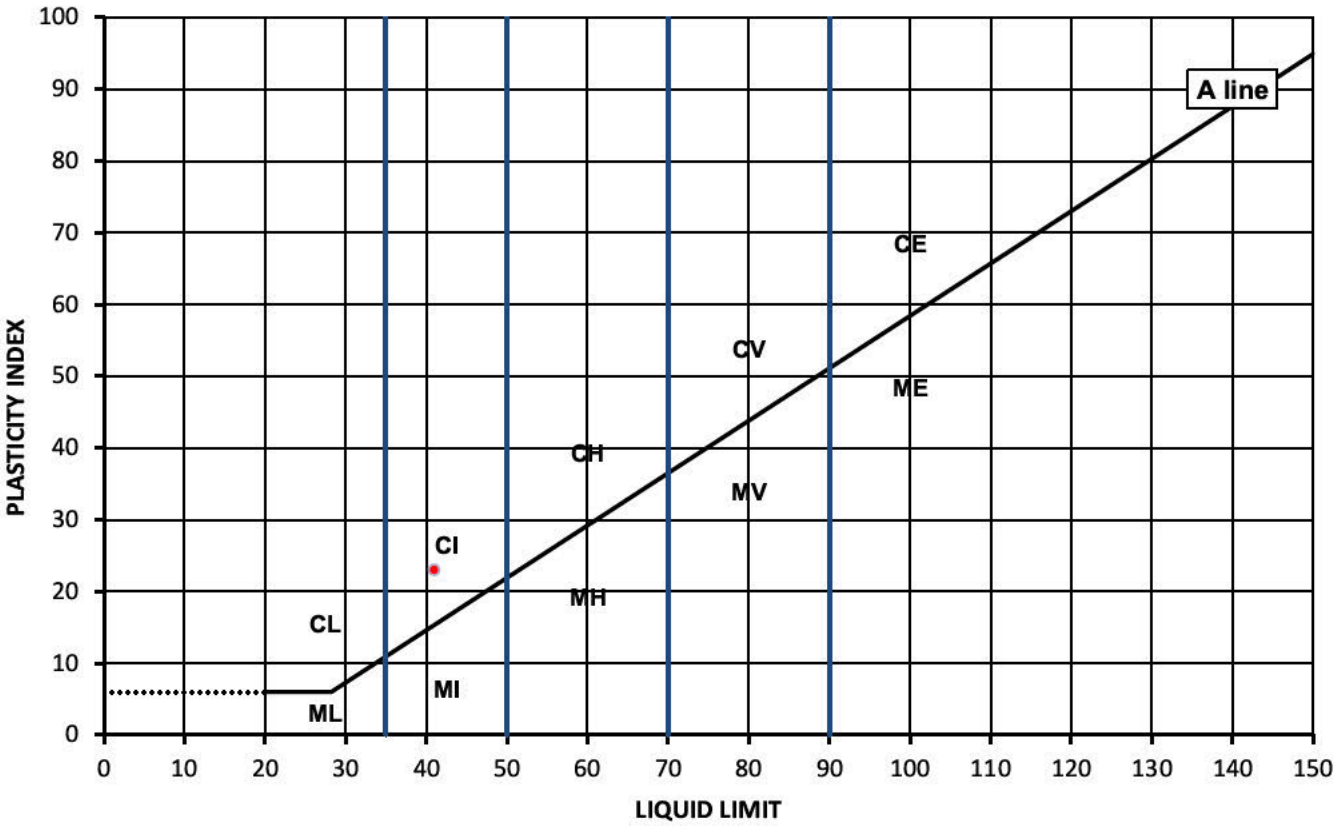
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	17/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137758	Depth Top [m]:	1.50
Hole No.:	DS117	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Orangish brown sandy CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
18	41	18	23	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager
[redacted]

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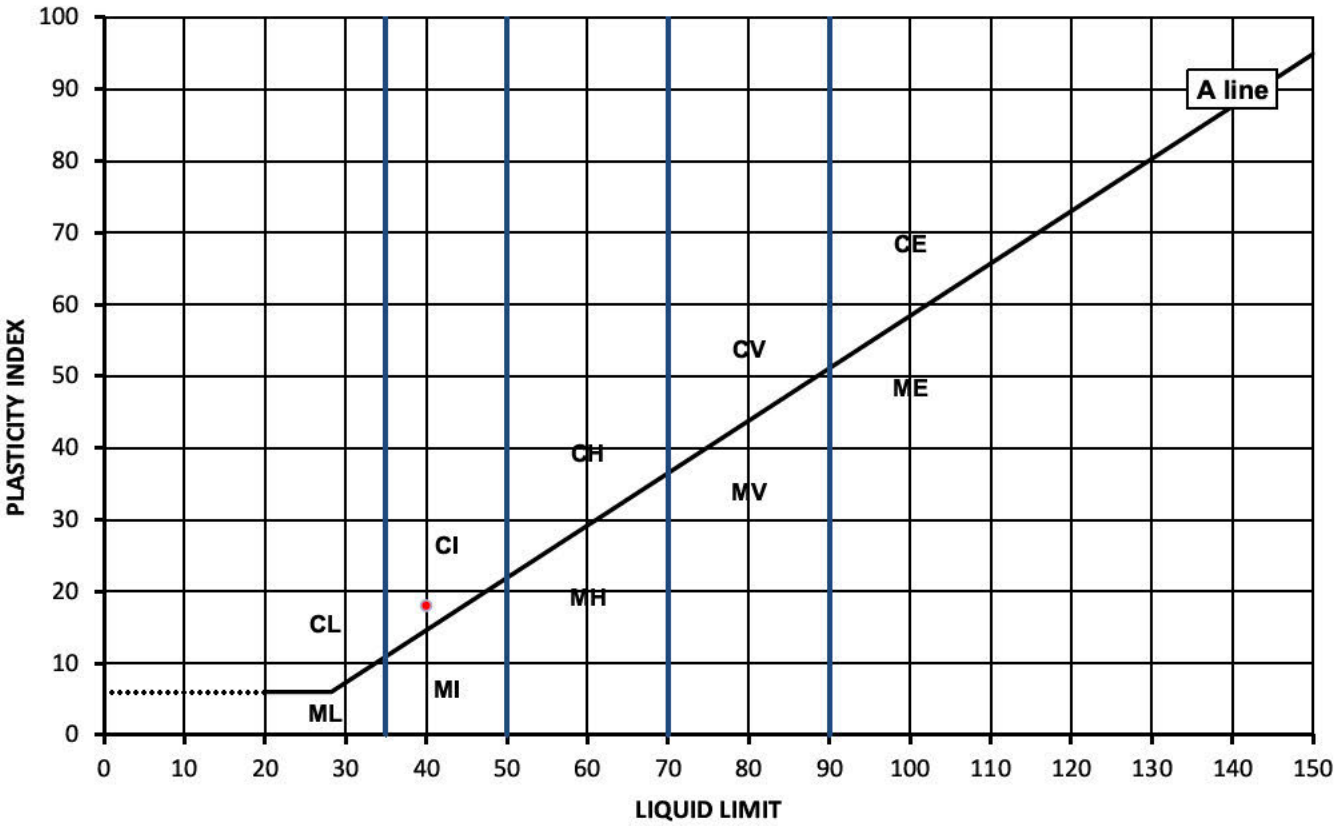
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	14/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137759	Depth Top [m]:	1.20
Hole No.:	DS122	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Orangish brown sandy CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
23	40	22	18	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted] PL Geotechnical Laboratory Manager
[redacted] **Date Reported:** 21/02/2019

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Geotechnical General Manager

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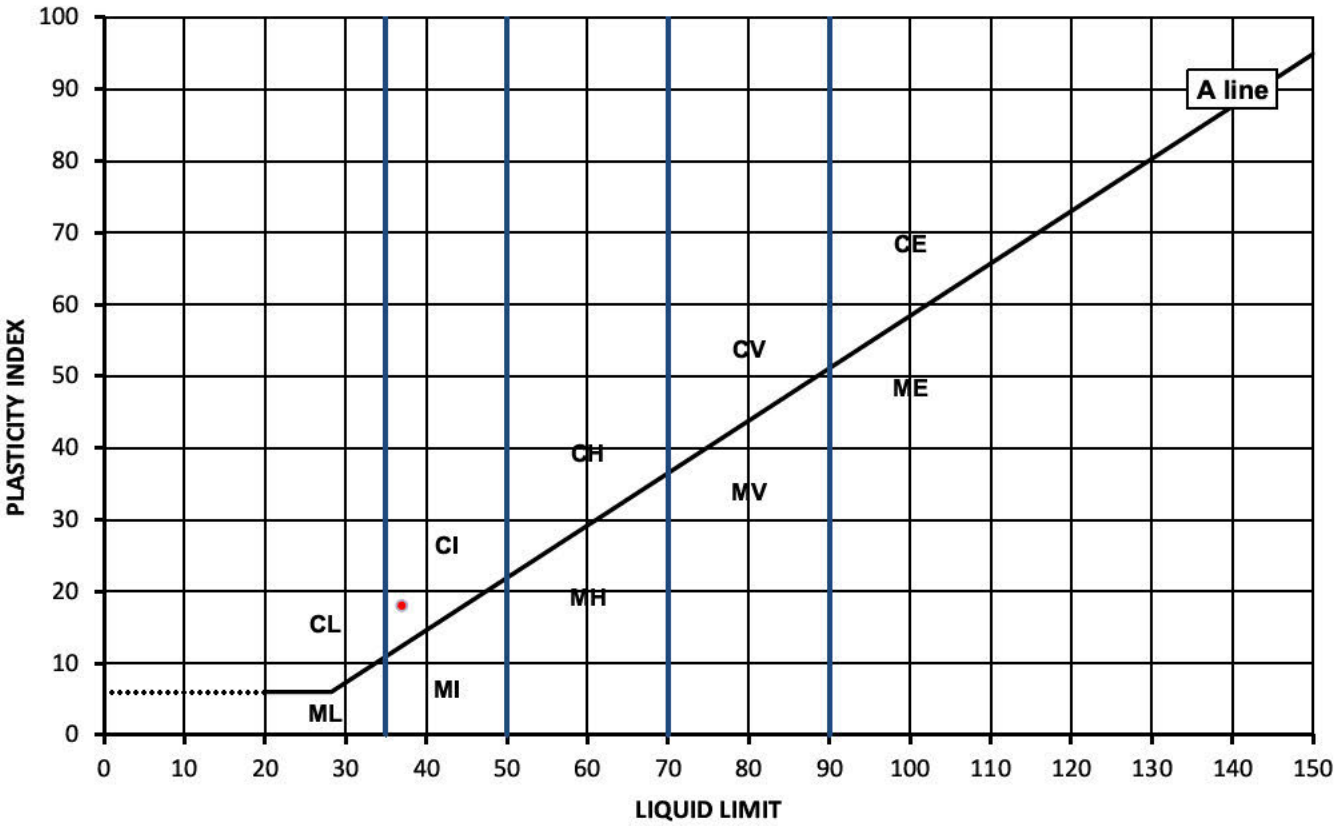
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	09/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137760	Depth Top [m]:	1.70
Hole No.:	DS140	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Brownish grey slightly sandy CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
19	37	19	18	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted] PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

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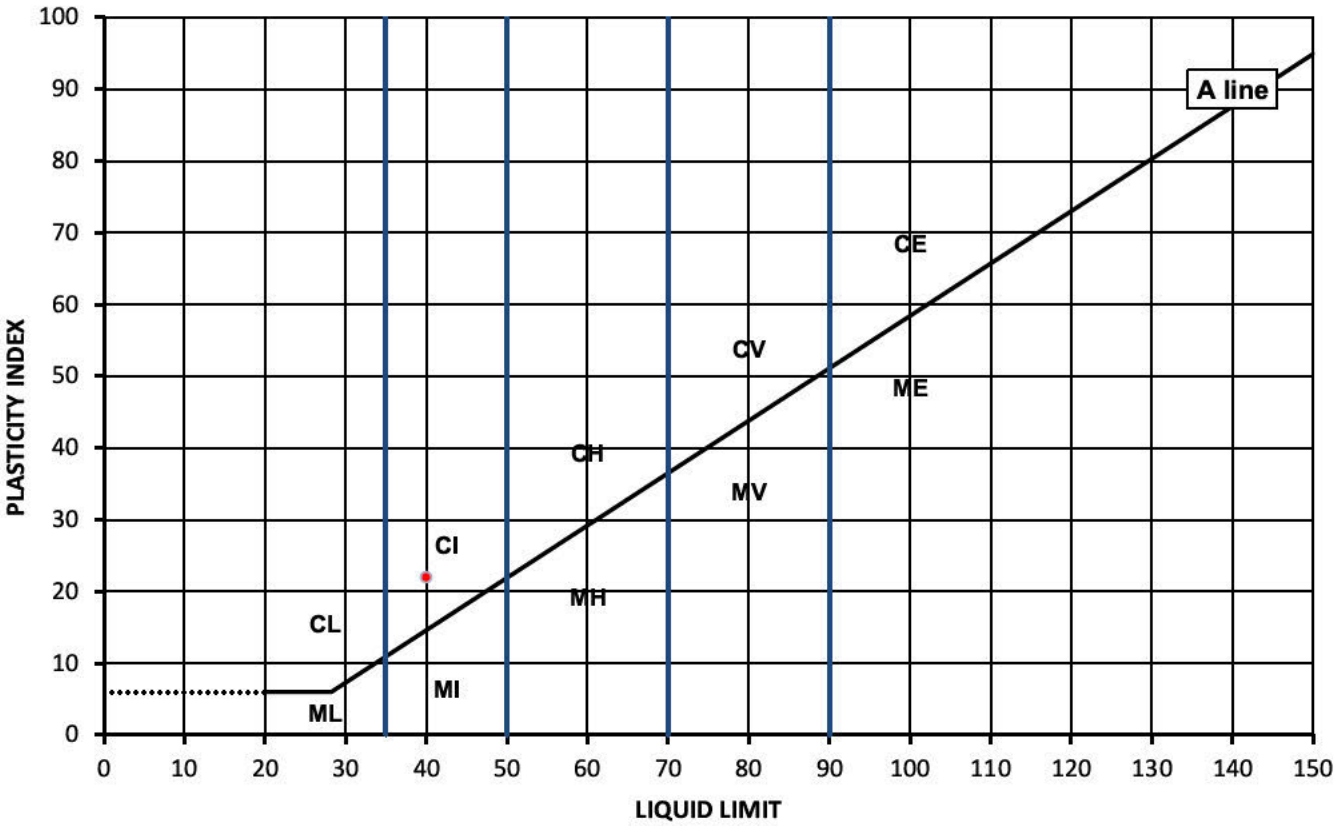
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	09/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137761	Depth Top [m]:	2.40
Hole No.:	DS141	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Orangish brown sandy CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
21	40	18	22	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

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Watford Herts WD18 8YS

4041

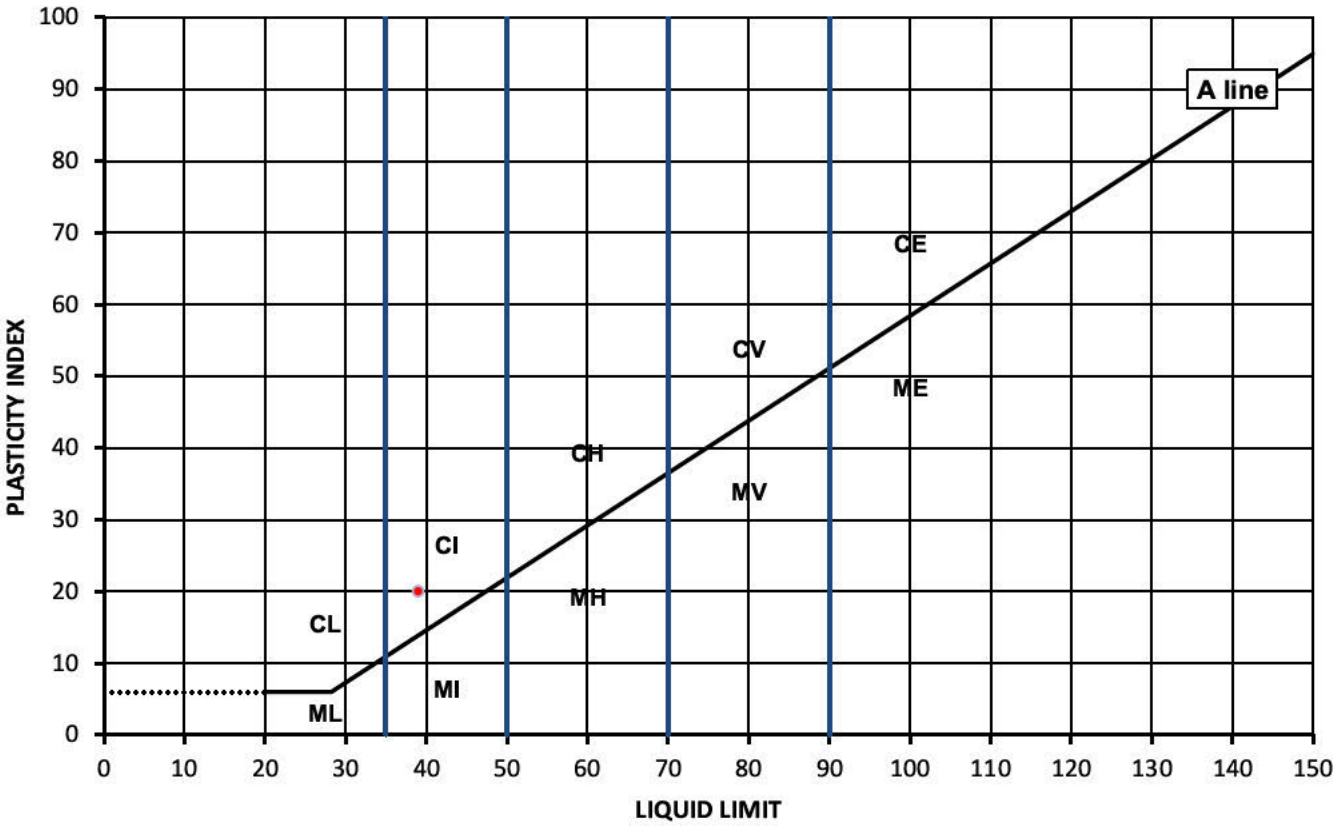
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	15/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137762	Depth Top [m]:	0.50
Hole No.:	TP110	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Orangish brown sandy CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
19	39	19	20	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

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Croxley Green Business Park
Watford Herts WD18 8YS

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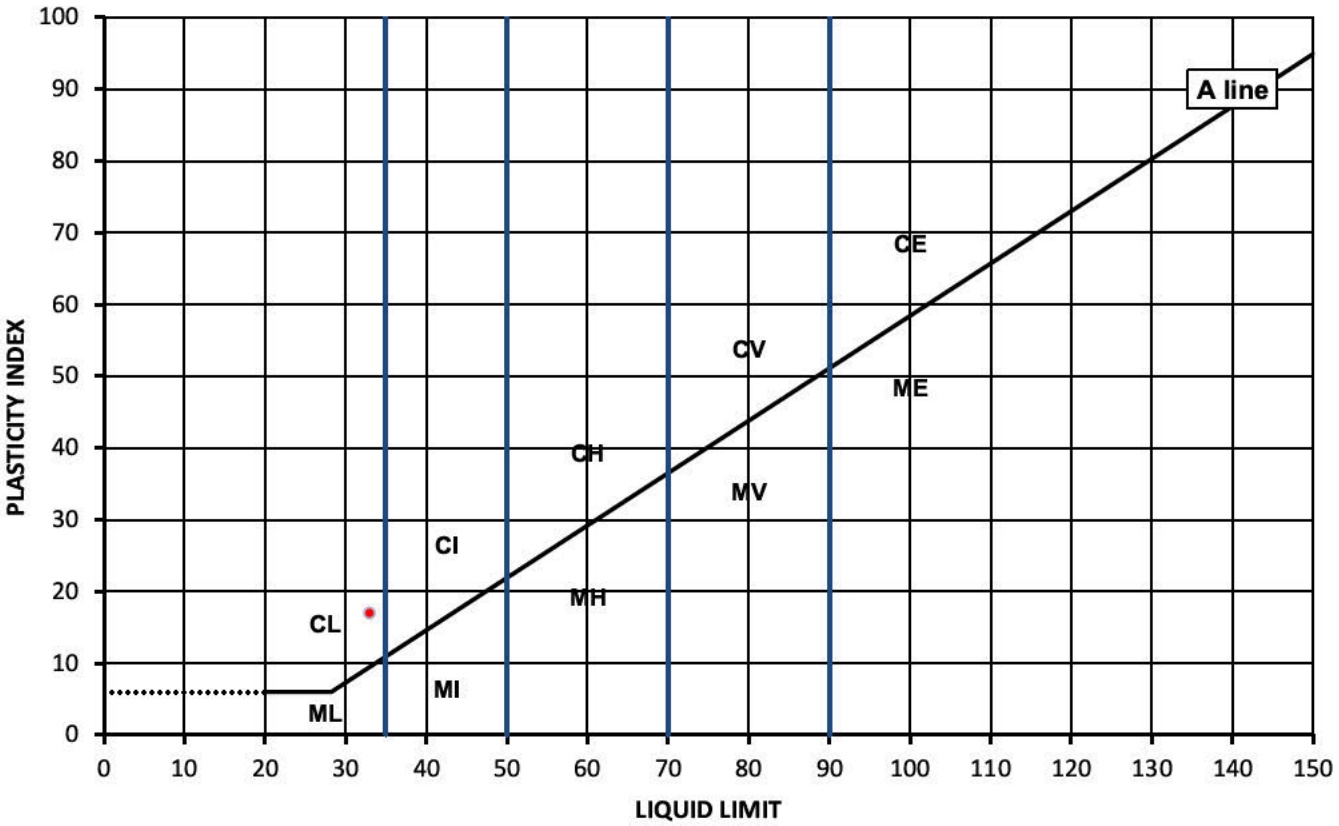
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	15/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137765	Depth Top [m]:	2.00
Hole No.:	TP113	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Orangish brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >425um removed by hand		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
21	33	16	17	99



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

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Watford Herts WD18 8YS

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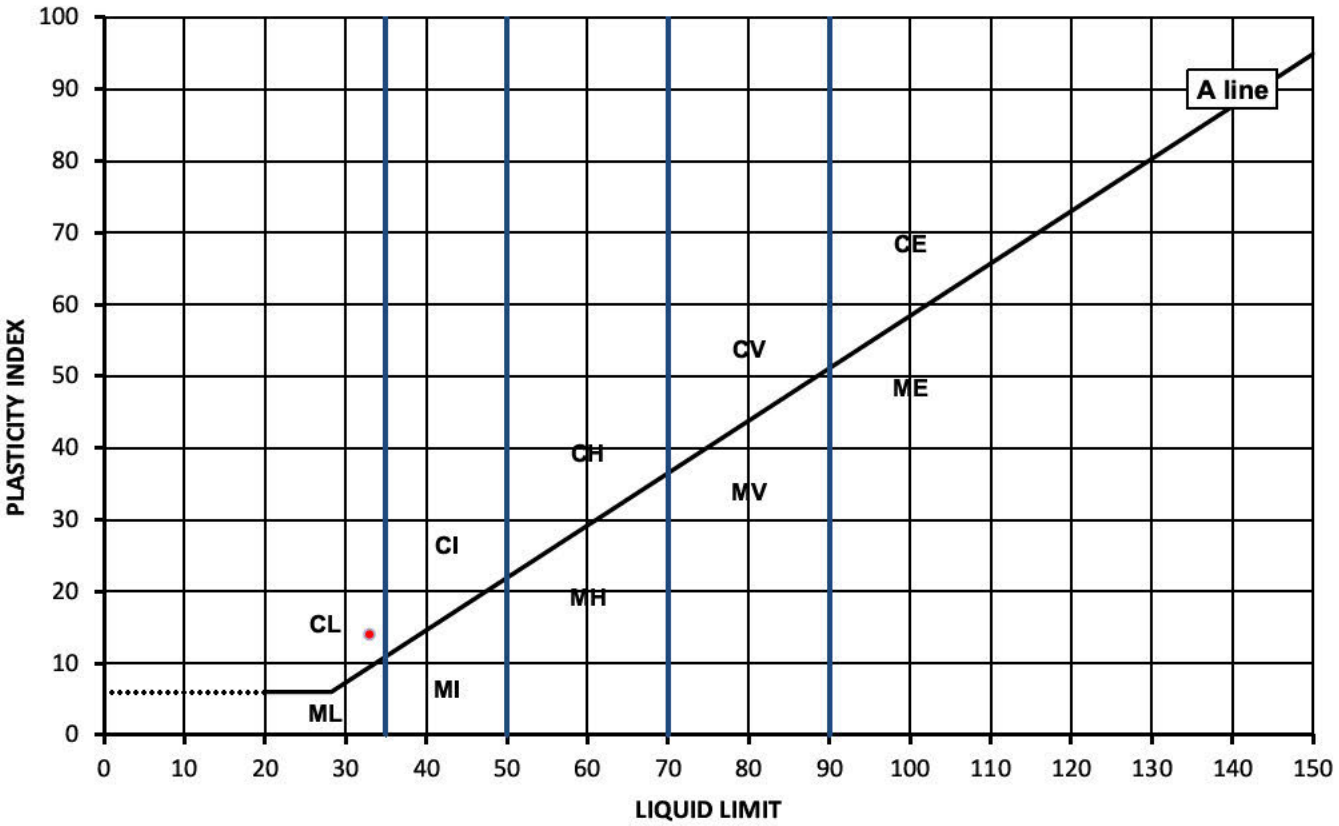
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	15/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	01/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137766	Depth Top [m]:	1.40
Hole No.:	TP114	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Orangish brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after >425um removed by hand		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
25	33	19	14	98



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager
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TEST CERTIFICATE

Liquid and Plastic Limits

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

UKAS TESTING 4041

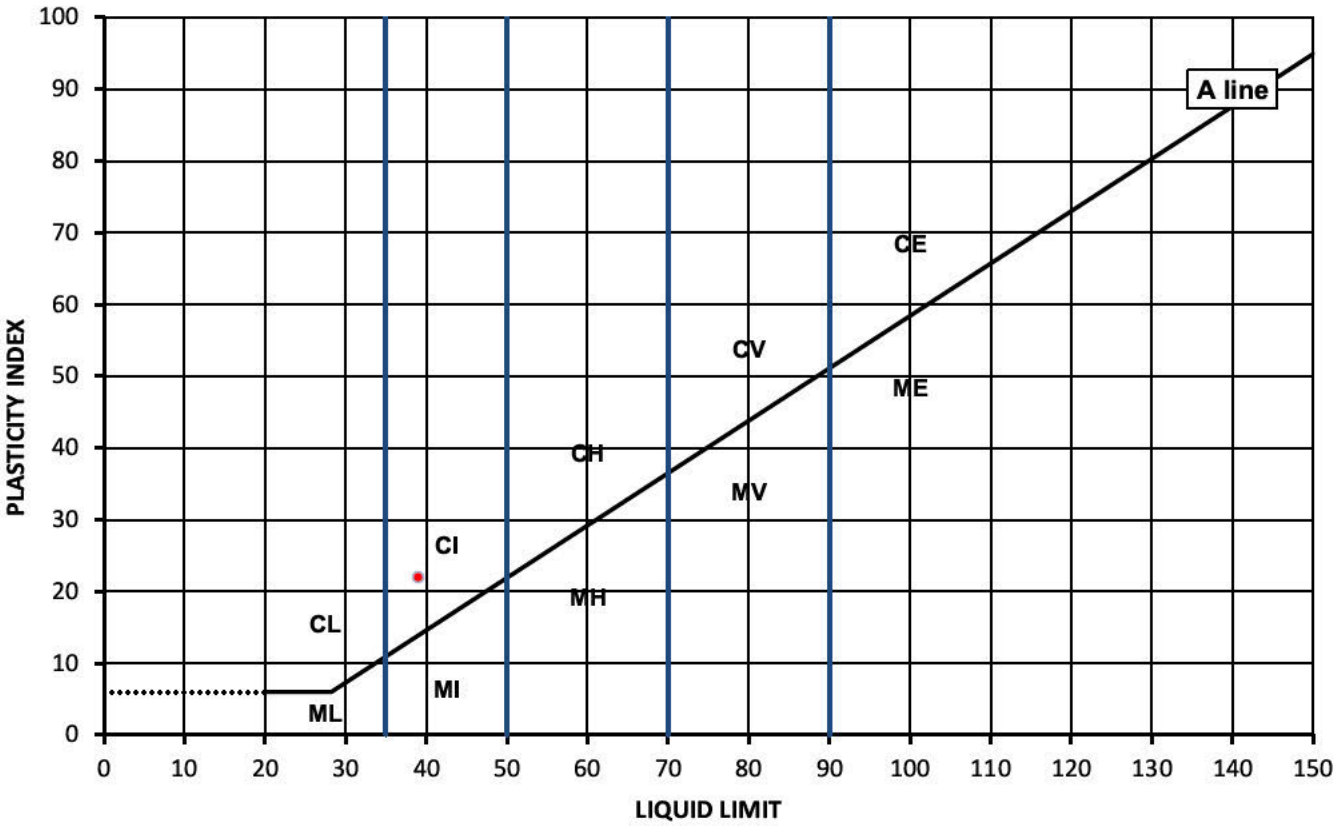
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	10/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137767	Depth Top [m]:	2.20
Hole No.:	DS149	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Brownish grey sandy CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
21	39	17	22	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

GF 236.3

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The results included within the report are representative of the samples submitted for analysis.
The analysis was carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland."

for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

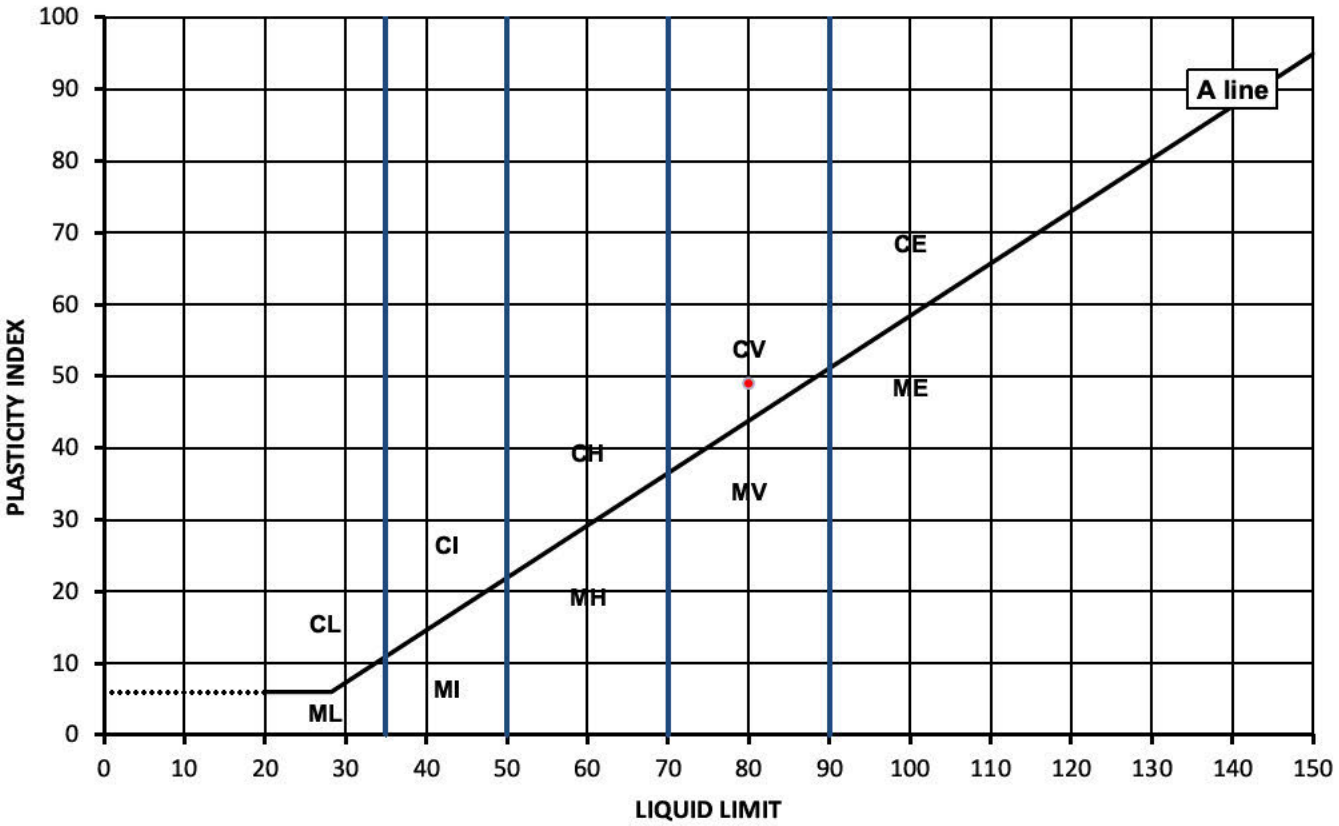
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	10/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137768	Depth Top [m]:	4.90
Hole No.:	DS149	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Brownish grey CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
32	80	31	49	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

GF 236.3

for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

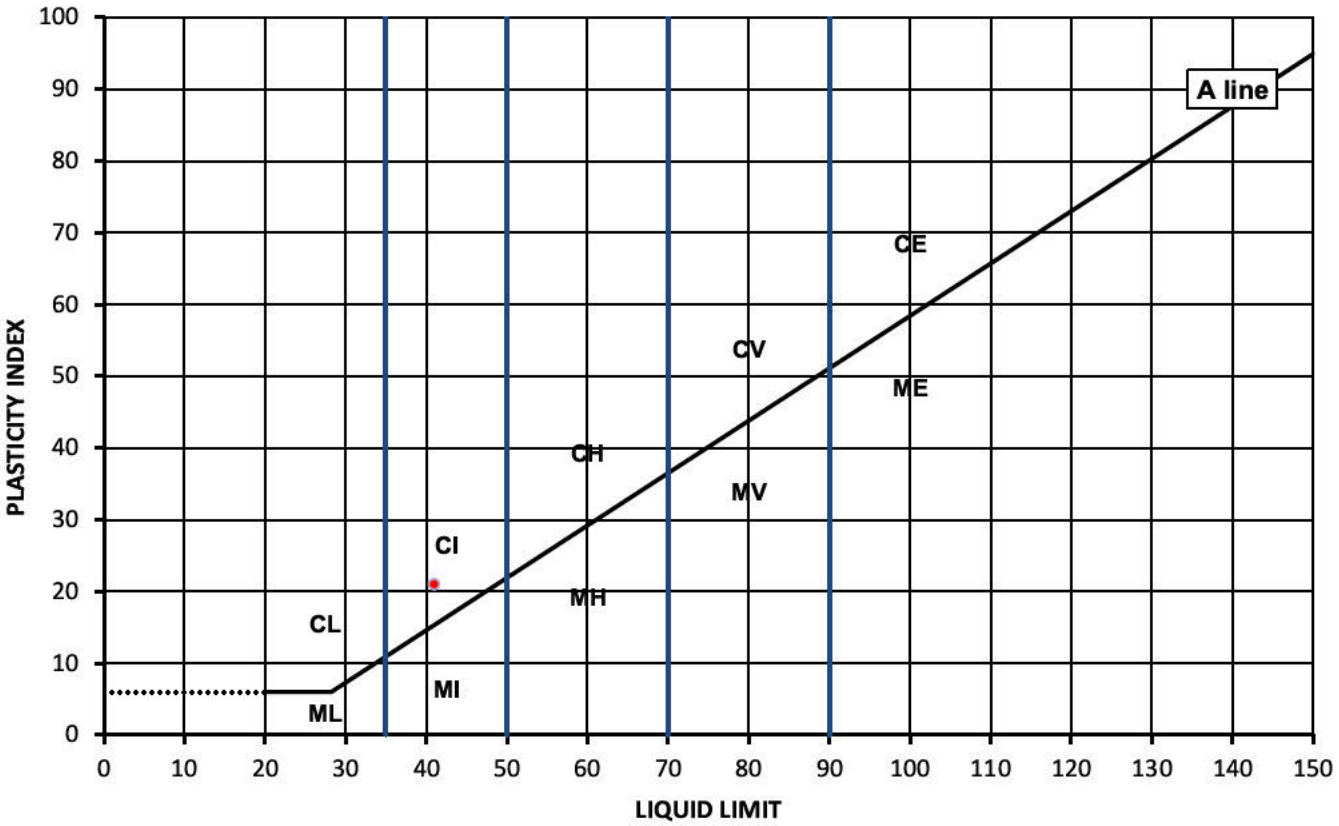
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	31/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137769	Depth Top [m]:	2.50
Hole No.:	DS131	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Orangish brown sandy CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
25	41	20	21	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

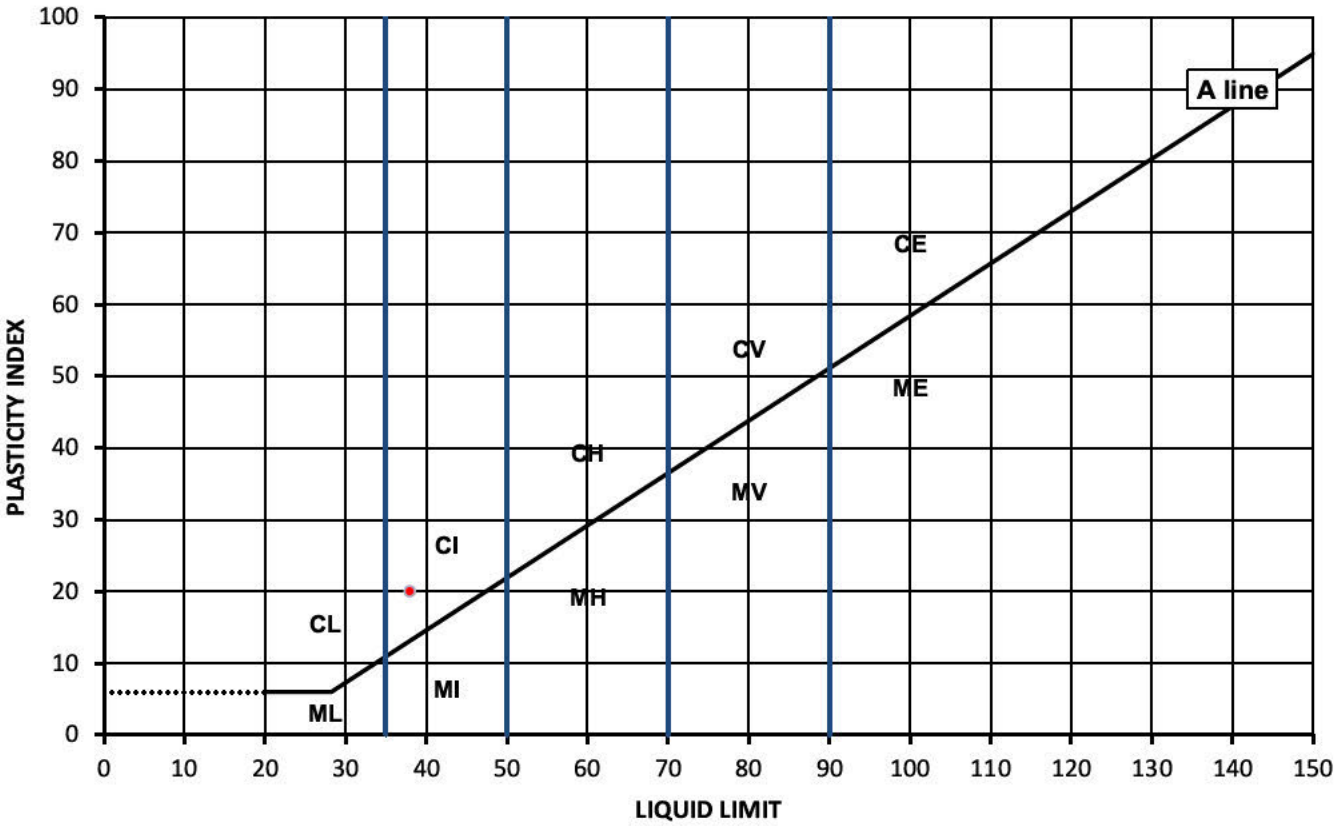
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	01/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1137770	Depth Top [m]:	1.20
Hole No.:	DS132	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Orangish brown sandy CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
19	38	18	20	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted] PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

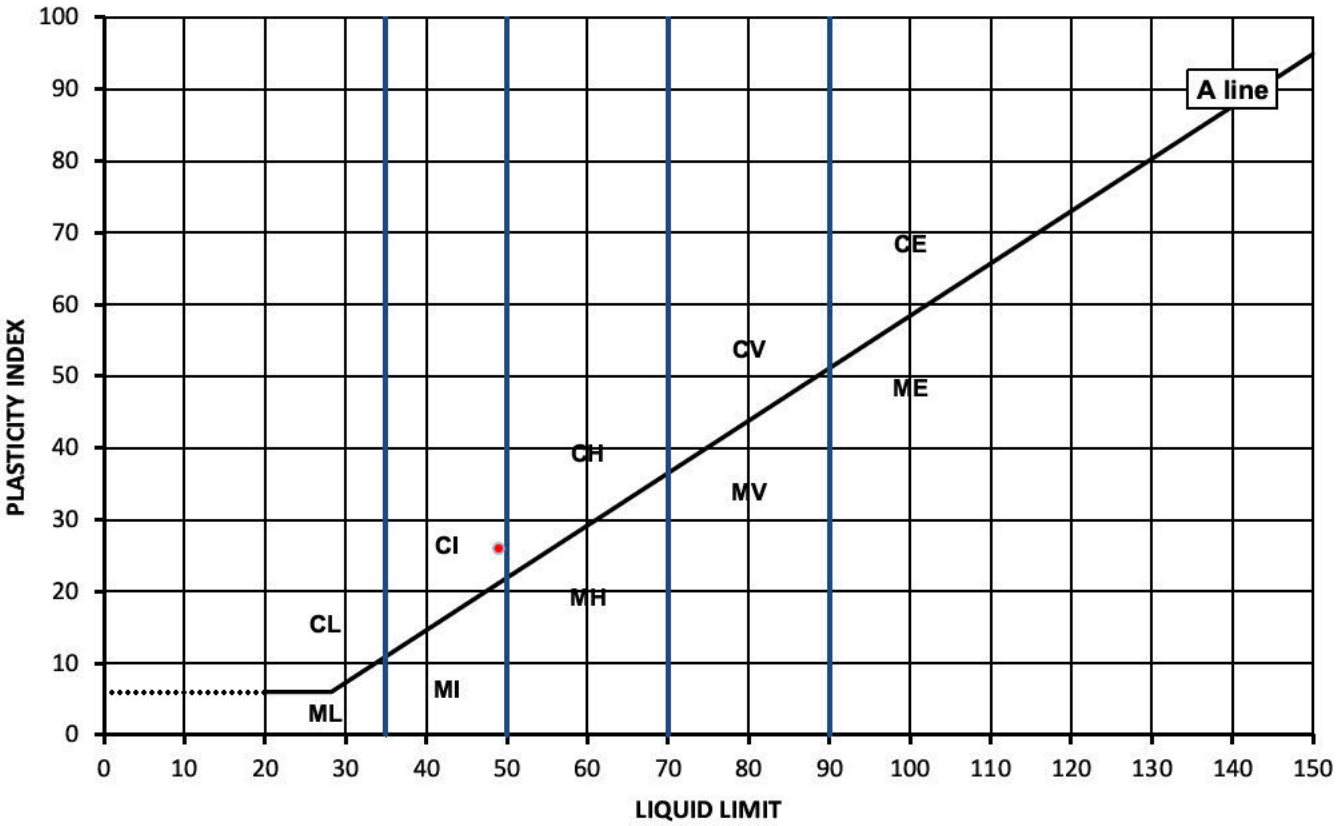
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	11/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1139183	Depth Top [m]:	8.50
Hole No.:	BH107	Depth Base [m]:	Not Given
Sample Reference:	U1	Sample Type:	U
Soil Description:	Brownish grey slightly silty sandy CLAY		
Sample Preparation:	Tested in natural condition		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
33	49	23	26	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: [redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

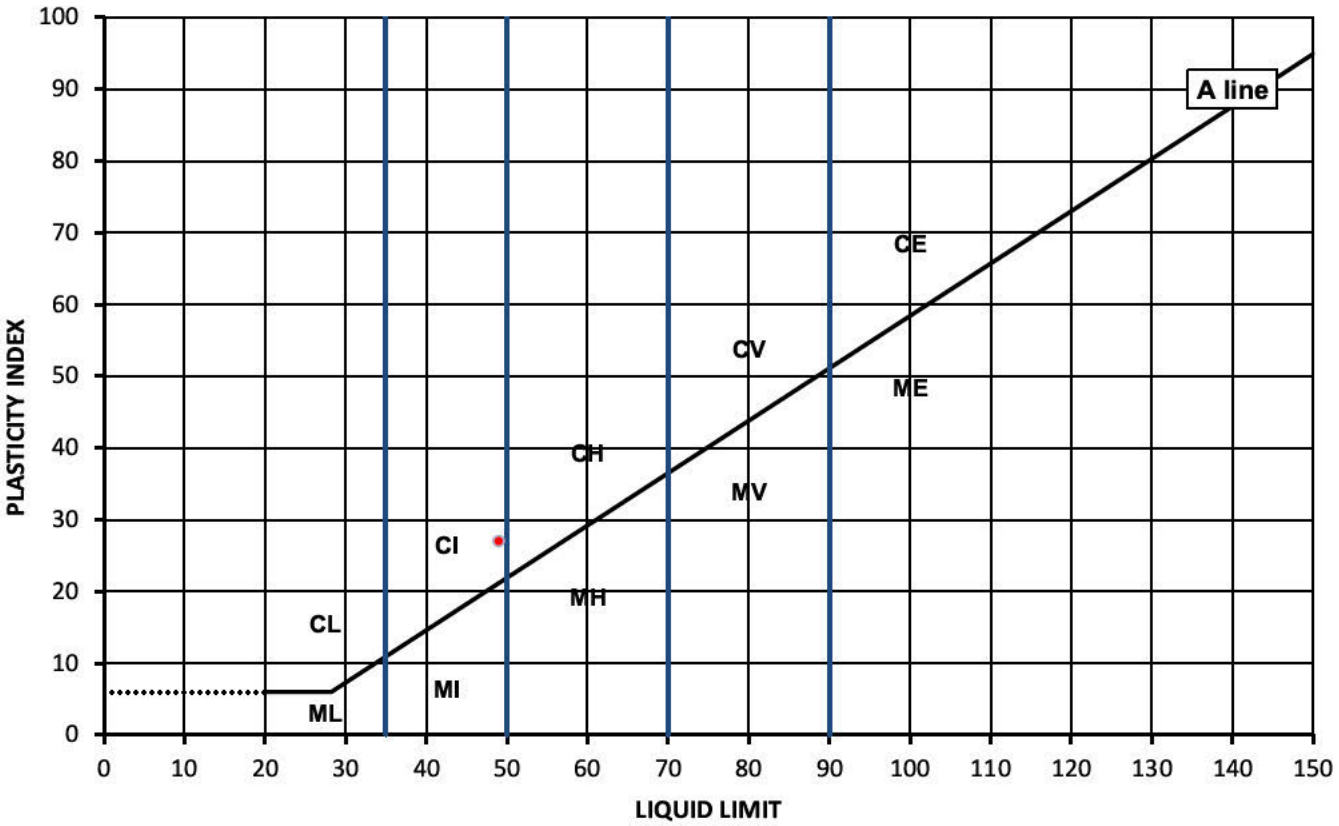
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	17/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	06/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1139184	Depth Top [m]:	1.60
Hole No.:	DS114	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Brown very gravelly sandy CLAY		

Sample Preparation: Tested after washing to remove >425um

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
14	49	22	27	39



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: [redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

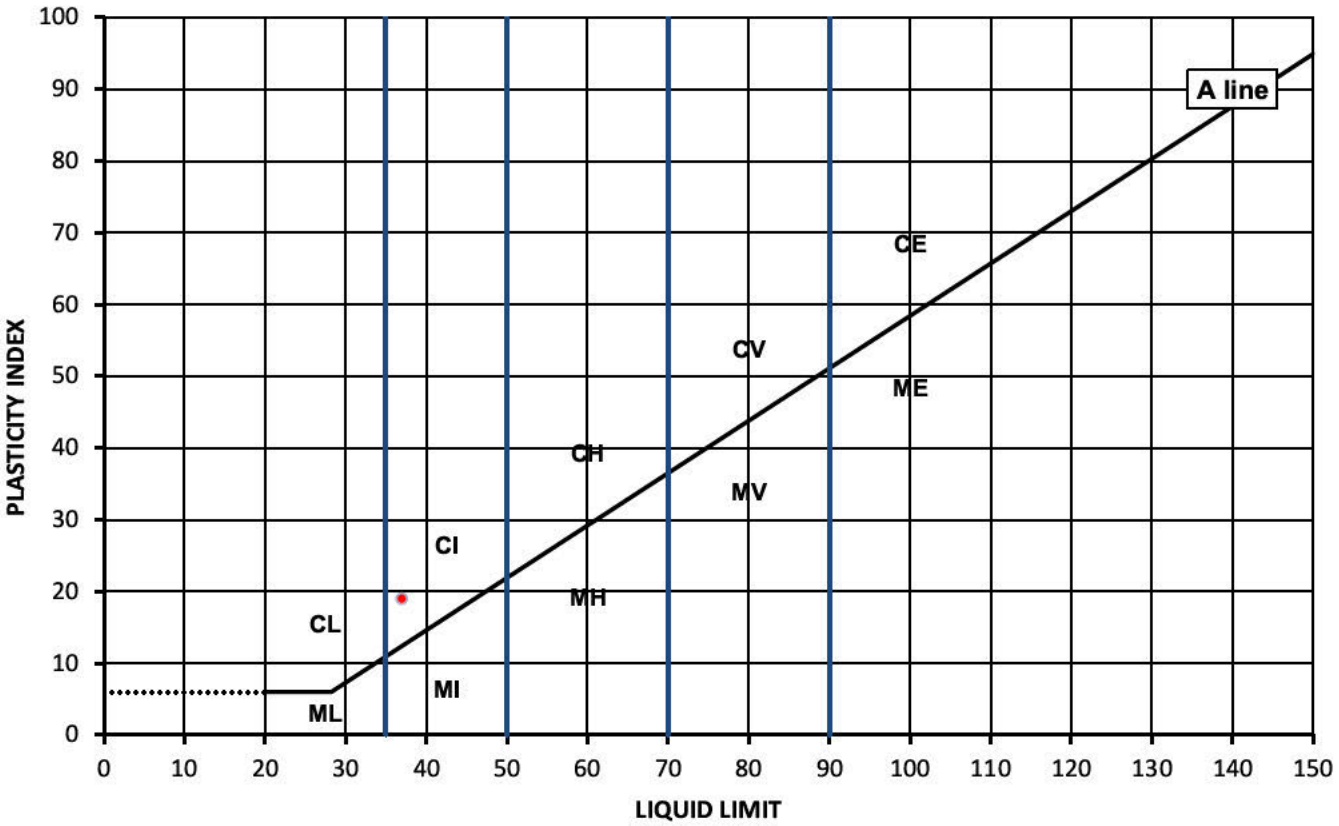
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	17/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	06/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1139185	Depth Top [m]:	1.20
Hole No.:	DS116	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Soil Description:	Brown sandy CLAY		

Sample Preparation: Tested in natural condition

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
20	37	18	19	100



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

SUMMARY REPORT

Summary of Classification Test Results

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

UKAS TESTING 4041

Tested in Accordance with:

MC by BS 1377-2: 1990: Clause 3.2; Atterberg by BS 1377-2: 1990: Clause 4.3, Clause 4.4 and 5; PD by BS 1377-2: 1990: Clause 8.2

Client: Delta-Simons
Client Address: Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB
Contact: Francesca Hammond
Site Name: Eastleigh Works, Eastleigh
Site Address: Not Given

Client Reference: 19-25871
Job Number: 19-25871
Date Sampled: 09/01 - 15/01/2019
Date Received: 18/01/2019
Date Tested: 31/01 - 08/02/2019
Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	MC#	Atterberg#				Density		Total Porosity				
		Reference	Depth Top	Depth Base	Type				% Passing 425um	LL	PL	PI	bulk	PD					
			m	m				%	%	%	%	%	Mg/m3	Mg/m3	%				
1137735	BH104	D1	1.50	Not Given	D	Orangish brown gravelly very sandy CLAY	Atterberg 4 Point	18	76	34	20	14							
1137739	BH105	U1	1.50	1.80	U	Greyish brown slightly silty sandy CLAY	Atterberg 4 Point	23	100	36	21	15							
1137742	BH105	U2	7.00	7.25	U	Brownish grey slightly silty slightly sandy CLAY	Atterberg 4 Point	29	100	54	24	30							
1137743	BH105	U3	10.00	10.30	U	Grey slightly gravelly slightly sandy CLAY	Atterberg 4 Point	33	99	47	23	24							
1137744	BH106	B3	1.80	Not Given	B	Yellowish brown sandy GRAVEL		7.0											
1139183	BH107	U1	8.50	Not Given	U	Brownish grey slightly silty sandy CLAY	Atterberg 4 Point	33	100	49	23	26							
1137747	BH109	U1	1.50	1.80	U	Brown slightly gravelly sandy CLAY	Atterberg 4 Point	22	89	38	19	19							
1137750	BH109	U2	8.50	8.80	U	Greyish brown silty CLAY	Atterberg 4 Point	32	100	50	24	26							
1137754	BH110	U1	1.50	Not Given	U	Greyish brown slightly gravelly sandy CLAY	Atterberg 4 Point	22	95	36	19	17							
1137755	BH110	U2	8.50	Not Given	U	Brownish grey CLAY	Atterberg 4 Point	33	100	85	34	51							

Note: # UKAS accredited; NP - Non plastic

Comments: Reissue 1: Replacement for triaxial test 1137743

Approved: [redacted]
Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted]
Darren Berrill
Geotechnical General Manager

GF 234.5

for and on behalf of i2 Analytical Ltd

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SUMMARY REPORT

Summary of Classification Test Results

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

UKAS TESTING 4041

Tested in Accordance with:

MC by BS 1377-2: 1990: Clause 3.2; Atterberg by BS 1377-2: 1990: Clause 4.3, Clause 4.4 and 5; PD by BS 1377-2: 1990: Clause 8.2

Client: Delta-Simons
Client Address: Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB
Contact: Francesca Hammond
Site Name: Eastleigh Works, Eastleigh
Site Address: Not Given

Client Reference: 19-25871
Job Number: 19-25871
Date Sampled: 09/01 - 17/01/2019
Date Received: 18/01/2019
Date Tested: 31/01 - 08/02/2019
Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	MC#	Atterberg#				Density		Total Porosity				
		Reference	Depth Top	Depth Base	Type				% Passing 425um	LL	PL	PI	bulk	PD					
			m	m				%	%	%	%	%	Mg/m3	Mg/m3	%				
1137753	BH111	U2	3.60	Not Given	U	Brown slightly gravelly sandy CLAY	Atterberg 4 Point	21	94	36	18	18							
1137756	DS110	Not Given	1.10	Not Given	D	Orangish brown slightly gravelly sandy CLAY	Atterberg 4 Point	21	98	38	17	21							
1137757	DS111	Not Given	1.20	Not Given	D	Orangish brown sandy CLAY	Atterberg 4 Point	21	100	40	18	22							
1139184	DS114	Not Given	1.60	Not Given	D	Brown very gravelly sandy CLAY	Atterberg 4 Point	14	39	49	22	27							
1139185	DS116	Not Given	1.20	Not Given	D	Brown sandy CLAY	Atterberg 4 Point	20	100	37	18	19							
1137758	DS117	Not Given	1.50	Not Given	D	Orangish brown sandy CLAY	Atterberg 4 Point	18	100	41	18	23							
1137759	DS122	Not Given	1.20	Not Given	D	Orangish brown sandy CLAY	Atterberg 4 Point	23	100	40	22	18							
1137769	DS131	Not Given	2.50	Not Given	D	Orangish brown sandy CLAY	Atterberg 4 Point	25	100	41	20	21							
1137770	DS132	Not Given	1.20	Not Given	D	Orangish brown sandy CLAY	Atterberg 4 Point	19	100	38	18	20							
1137760	DS140	Not Given	1.70	Not Given	D	Brownish grey slightly sandy CLAY	Atterberg 4 Point	19	100	37	19	18							

Note: # UKAS accredited; NP - Non plastic

Comments: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]echnical General Manager

GF 234.5

for and on behalf of i2 Analytical Ltd

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SUMMARY REPORT

Summary of Classification Test Results

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

4041

Tested in Accordance with:

MC by BS 1377-2: 1990: Clause 3.2; Atterberg by BS 1377-2: 1990: Clause 4.3, Clause 4.4 and 5; PD by BS 1377-2: 1990: Clause 8.2

Client: Delta-Simons
Client Address: Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB
Contact: Francesca Hammond
Site Name: Eastleigh Works, Eastleigh
Site Address: Not Given

Client Reference: 19-25871
Job Number: 19-25871
Date Sampled: 09/01 - 15/01/2019
Date Received: 18/01/2019
Date Tested: 31/01 - 01/02/2019
Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	MC#	Atterberg#				Density		Total Porosity				
		Reference	Depth Top	Depth Base	Type				% Passing 425um	LL	PL	PI	bulk	PD					
			m	m				%	%	%	%	%	Mg/m3	Mg/m3	%				
1137761	DS141	Not Given	2.40	Not Given	D	Orangish brown sandy CLAY	Atterberg 4 Point	21	100	40	18	22							
1137767	DS149	Not Given	2.20	Not Given	D	Brownish grey sandy CLAY	Atterberg 4 Point	21	100	39	17	22							
1137768	DS149	Not Given	4.90	Not Given	D	Brownish grey CLAY	Atterberg 4 Point	32	100	80	31	49							
1137762	TP110	Not Given	0.50	Not Given	D	Orangish brown sandy CLAY	Atterberg 4 Point	19	100	39	19	20							
1137765	TP113	Not Given	2.00	Not Given	D	Orangish brown slightly gravelly very sandy CLAY	Atterberg 4 Point	21	99	33	16	17							
1137766	TP114	Not Given	1.40	Not Given	D	Orangish brown slightly gravelly very sandy CLAY	Atterberg 4 Point	25	98	33	19	14							
1137773	TP122	Not Given	Not Given	Not Given	B	Dakr brown clayey sandy GRAVEL with cobbles		16											
1137771	TP124	Not Given	Not Given	Not Given	B	Dark brown clayey very sandy GRAVEL		15											
1137772	TP127	Not Given	Not Given	Not Given	B	Dark brown clayey very gravelly SAND		14											

Note: # UKAS accredited; NP - Non plastic

Comments: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

[redacted]

Signed: Darren Berrill
Geotechnical General Manager

[redacted]

GF 234.5

for and on behalf of i2 Analytical Ltd

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The results included within the report are representative of the samples submitted for analysis.
The analysis was carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland."

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

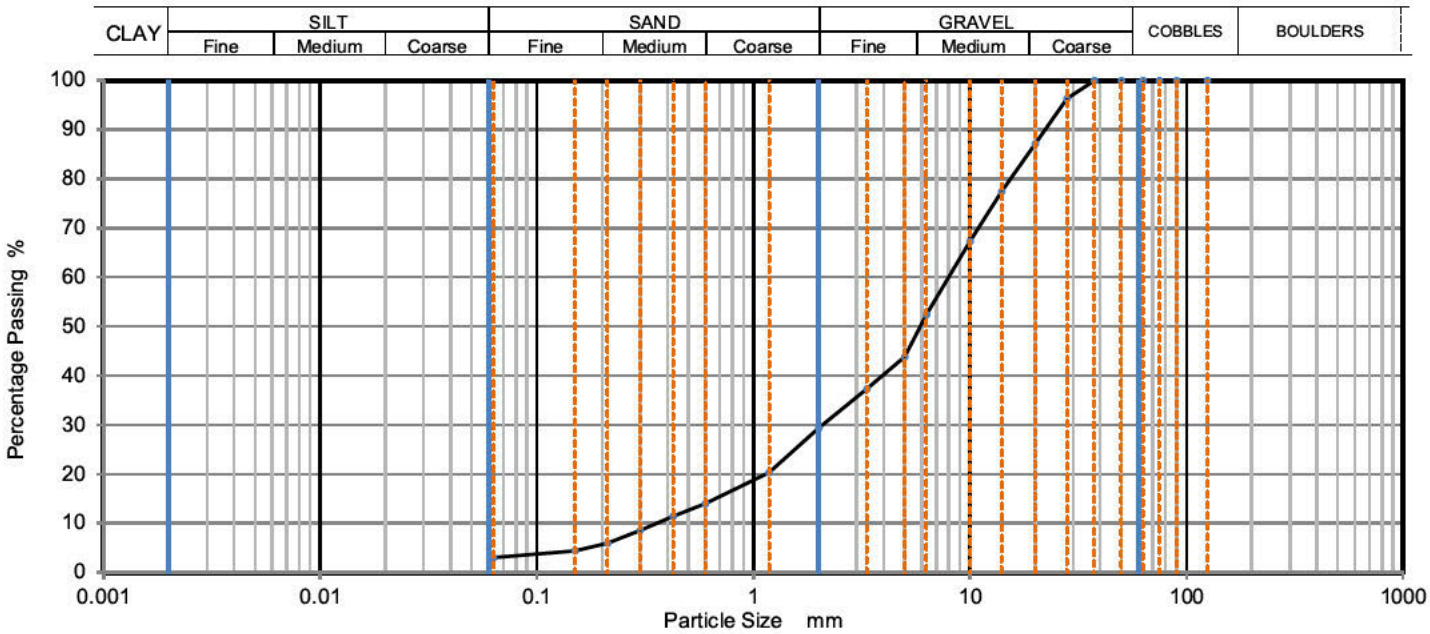
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	09/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137736	Depth Top [m]:	4.00
Hole No.:	BH104	Depth Base [m]:	Not Given
Sample Reference:	B5	Sample Type:	B
Sample Description:	Yellowish brown slightly clayey sandy GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	96		
20	87		
14	77		
10	67		
6.3	52		
5	44		
3.35	37		
2	29		
1.18	20		
0.6	14		
0.425	11		
0.3	9		
0.212	6		
0.15	4		
0.063	3		

Dry Mass of sample [g]: 3216

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	70.70
Sand	26.10
Fines <0.063mm	3.20

Grading Analysis		
D100	mm	37.5
D60	mm	7.98
D30	mm	2.09
D10	mm	0.359
Uniformity Coefficient		22
Curvature Coefficient		1.5

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 100.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

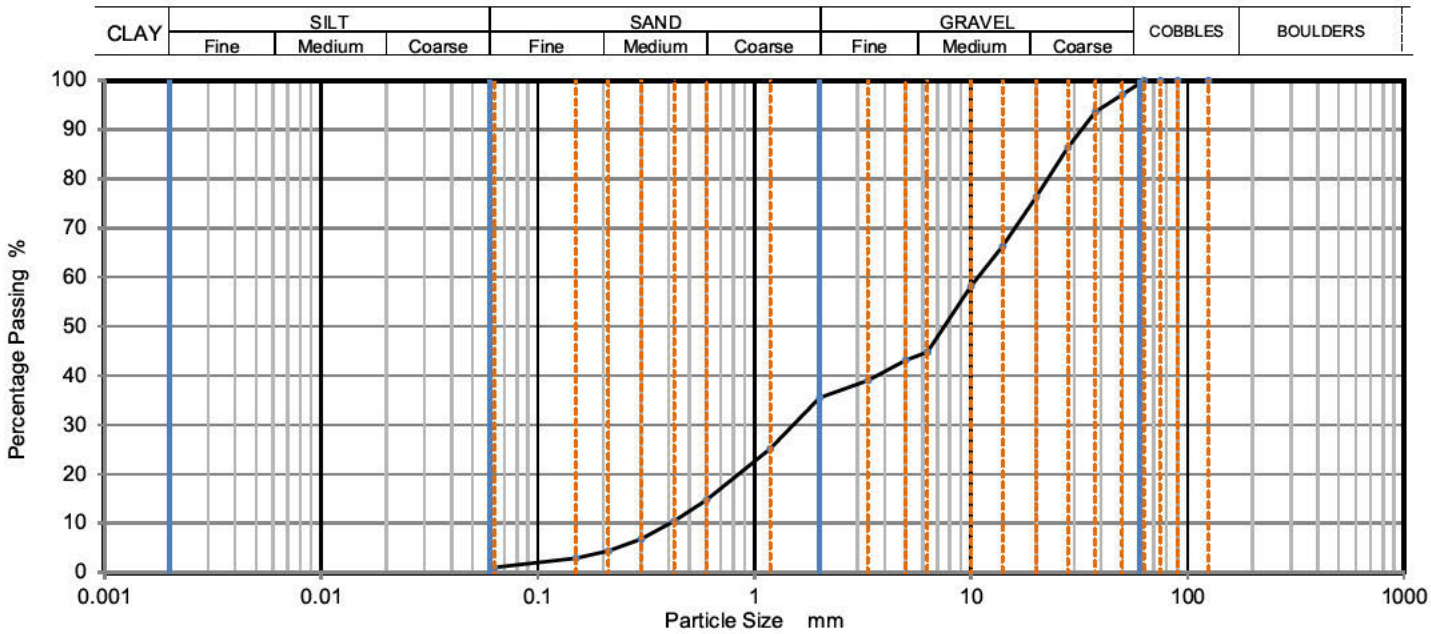
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	14/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137740	Depth Top [m]:	5.00
Hole No.:	BH105	Depth Base [m]:	Not Given
Sample Reference:	B6	Sample Type:	B
Sample Description:	Mottled brown slightly clayey sandy GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	97		
37.5	94		
28	86		
20	76		
14	66		
10	58		
6.3	45		
5	43		
3.35	39		
2	36		
1.18	25		
0.6	15		
0.425	10		
0.3	7		
0.212	4		
0.15	3		
0.063	1		

Dry Mass of sample [g]: 7101

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	64.50
Sand	34.10
Fines <0.063mm	1.40

Grading Analysis		
D100	mm	63
D60	mm	10.8
D30	mm	1.51
D10	mm	0.408
Uniformity Coefficient		26
Curvature Coefficient		0.52

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

GF 100.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

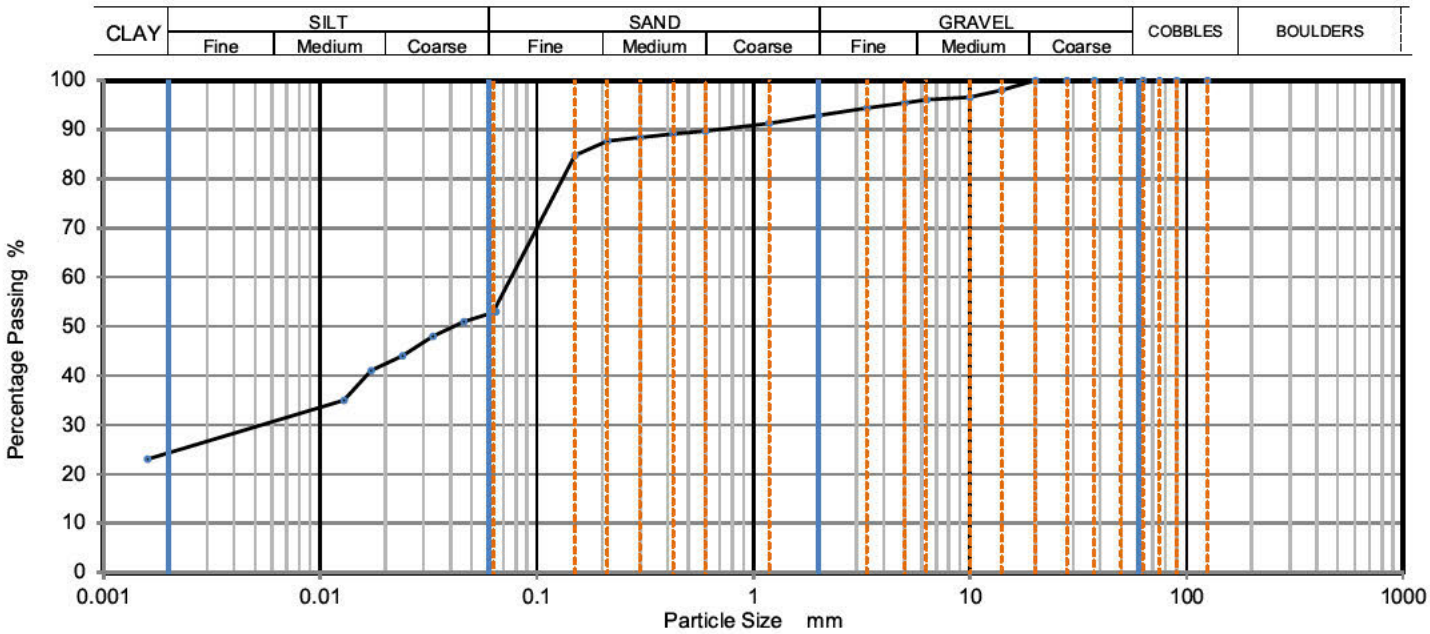
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	14/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137741	Depth Top [m]:	6.10
Hole No.:	BH105	Depth Base [m]:	Not Given
Sample Reference:	B7	Sample Type:	B
Sample Description:	Grey slightly gravelly silty clayey SAND		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0647	53
90	100	0.0461	51
75	100	0.0331	48
63	100	0.0239	44
50	100	0.0171	41
37.5	100	0.0129	35
28	100	0.0016	23
20	100		
14	98		
10	97		
6.3	96		
5	95		
3.35	94		
2	93		
1.18	91		
0.6	90	Particle density	(assumed)
0.425	89	2.65	Mg/m3
0.3	88		
0.212	88		
0.15	85		
0.063	53		

Dry Mass of sample [g]: 539

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	7.10
Sand	40.20
Silt	28.00
Clay	24.70

Grading Analysis		
D100	mm	20
D60	mm	0.0785
D30	mm	0.0052
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

GF 100.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

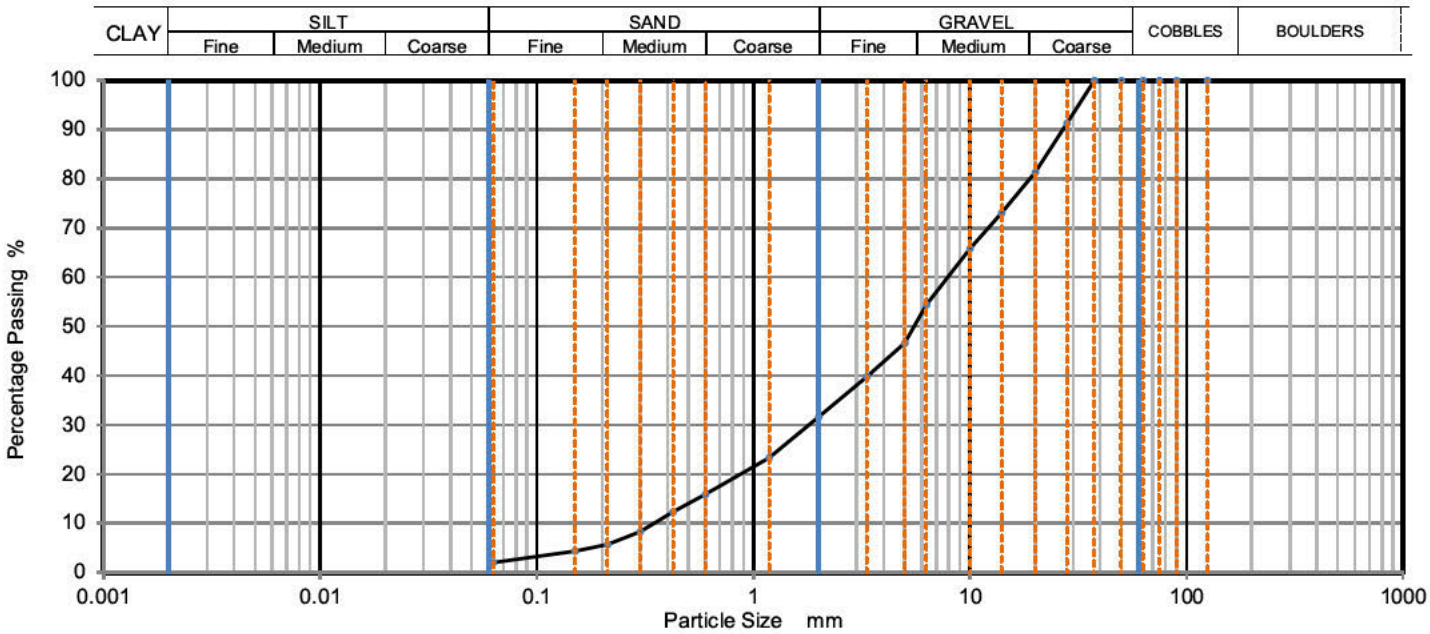
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	15/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137745	Depth Top [m]:	5.00
Hole No.:	BH106	Depth Base [m]:	Not Given
Sample Reference:	B7	Sample Type:	B
Sample Description:	Yellowish brown slightly clayey sandy GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	91		
20	81		
14	73		
10	66		
6.3	54		
5	47		
3.35	40		
2	32		
1.18	23		
0.6	16		
0.425	12		
0.3	8		
0.212	6		
0.15	4		
0.063	3		

Dry Mass of sample [g]: 2553

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	68.40
Sand	28.90
Fines <0.063mm	2.70

Grading Analysis		
D100	mm	37.5
D60	mm	7.92
D30	mm	1.8
D10	mm	0.349
Uniformity Coefficient		23
Curvature Coefficient		1.2

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager
[redacted]

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

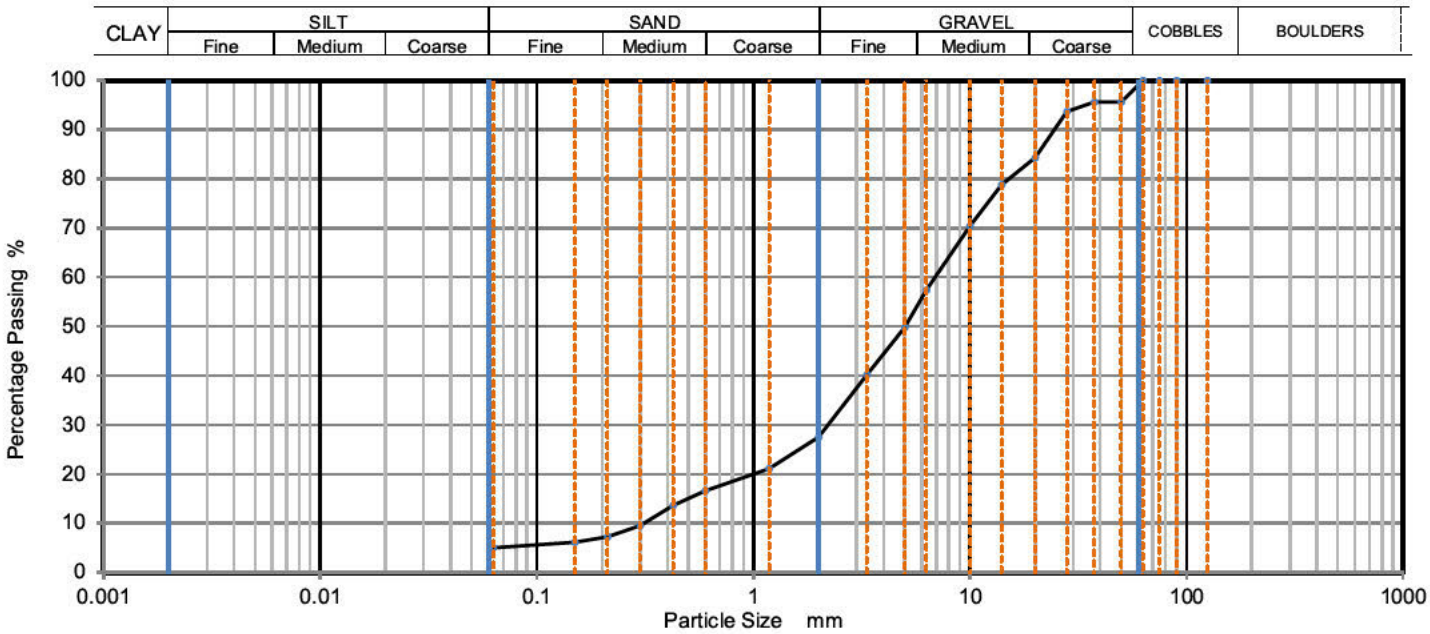
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	16/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137746	Depth Top [m]:	7.00
Hole No.:	BH106	Depth Base [m]:	Not Given
Sample Reference:	B9	Sample Type:	B
Sample Description:	Yellowish brown slightly clayey sandy GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	96		
37.5	96		
28	94		
20	84		
14	79		
10	70		
6.3	57		
5	50		
3.35	40		
2	28		
1.18	21		
0.6	17		
0.425	14		
0.3	10		
0.212	7		
0.15	6		
0.063	6		

Dry Mass of sample [g]: 6346

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	72.50
Sand	22.10
Fines <0.063mm	5.50

Grading Analysis		
D100	mm	63
D60	mm	6.91
D30	mm	2.21
D10	mm	0.313
Uniformity Coefficient		22
Curvature Coefficient		2.3

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 100.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

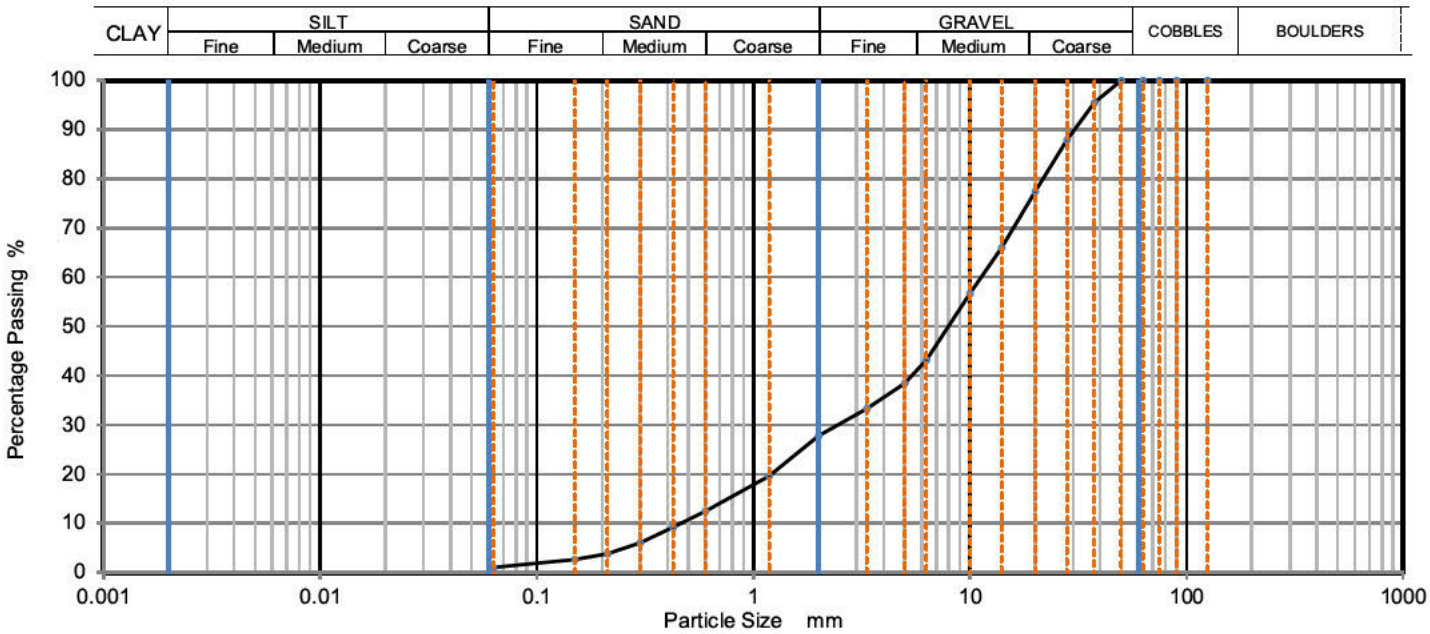
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	15/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137748	Depth Top [m]:	3.00
Hole No.:	BH109	Depth Base [m]:	Not Given
Sample Reference:	B4	Sample Type:	B
Sample Description:	Yellowish brown slightly clayey sandy GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	96		
28	88		
20	77		
14	66		
10	57		
6.3	43		
5	38		
3.35	33		
2	28		
1.18	20		
0.6	12		
0.425	9		
0.3	6		
0.212	4		
0.15	3		
0.063	2		

Dry Mass of sample [g]: 6683

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	72.20
Sand	26.10
Fines <0.063mm	1.70

Grading Analysis		
D100	mm	50
D60	mm	11.3
D30	mm	2.45
D10	mm	0.463
Uniformity Coefficient		24
Curvature Coefficient		1.2

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 100.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

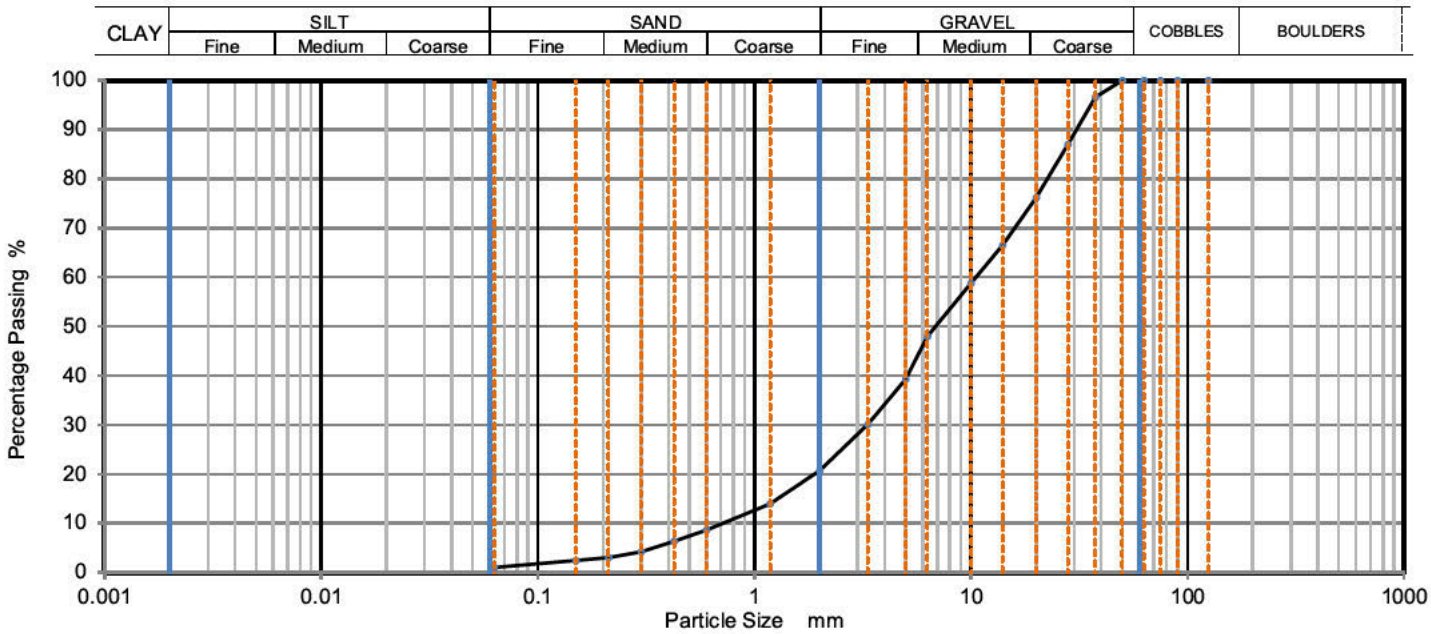
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	15/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137749	Depth Top [m]:	5.00
Hole No.:	BH109	Depth Base [m]:	Not Given
Sample Reference:	B6	Sample Type:	B
Sample Description:	Yellowish brown slightly sandy GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	97		
28	87		
20	76		
14	67		
10	59		
6.3	48		
5	39		
3.35	30		
2	21		
1.18	14		
0.6	9		
0.425	6		
0.3	4		
0.212	3		
0.15	2		
0.063	2		

Dry Mass of sample [g]: 7632

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	79.30
Sand	18.80
Fines <0.063mm	1.90

Grading Analysis		
D100	mm	50
D60	mm	10.5
D30	mm	3.33
D10	mm	0.717
Uniformity Coefficient		15
Curvature Coefficient		1.5

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]eotechnical General Manager

GF 100.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

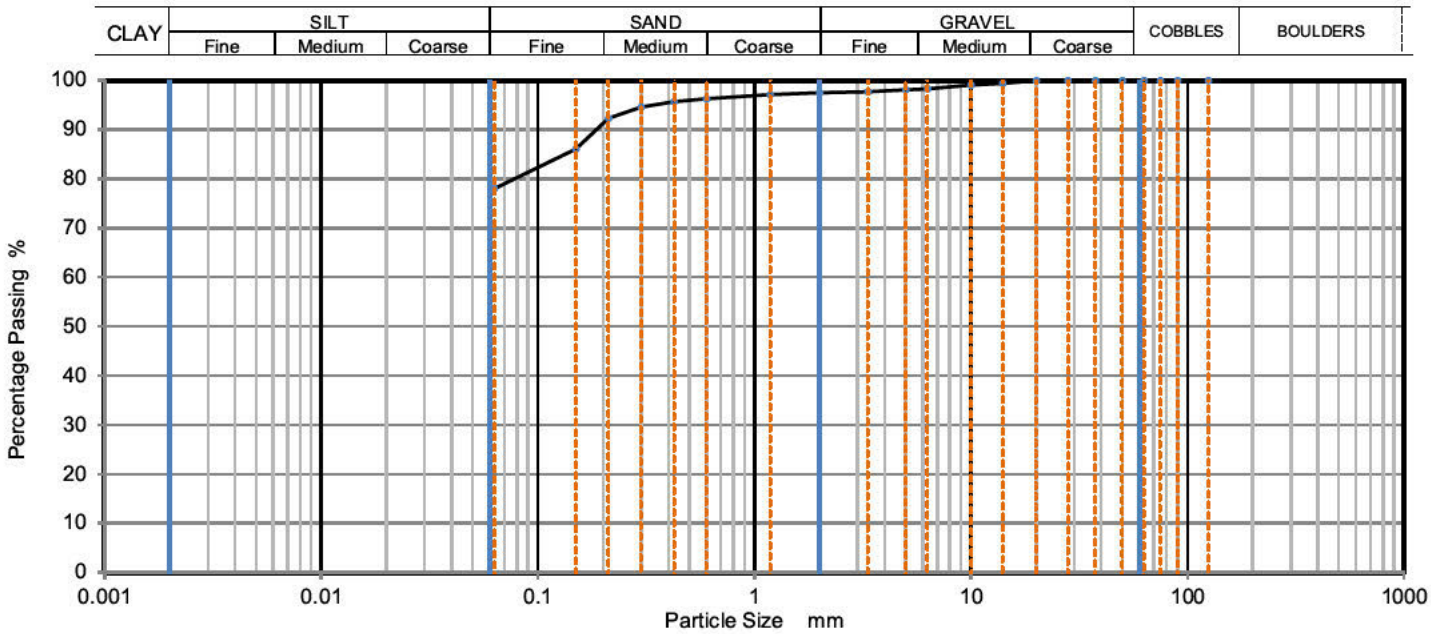
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	16/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137752	Depth Top [m]:	2.00
Hole No.:	BH111	Depth Base [m]:	Not Given
Sample Reference:	B3	Sample Type:	B
Sample Description:	Mottled brown slightly gravelly sandy CLAY		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	99		
10	99		
6.3	98		
5	98		
3.35	98		
2	98		
1.18	97		
0.6	96		
0.425	96		
0.3	95		
0.212	92		
0.15	86		
0.063	78		

Dry Mass of sample [g]: 452

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	2.50
Sand	19.20
Fines <0.063mm	78.30

Grading Analysis		
D100	mm	20
D60	mm	
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 100.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

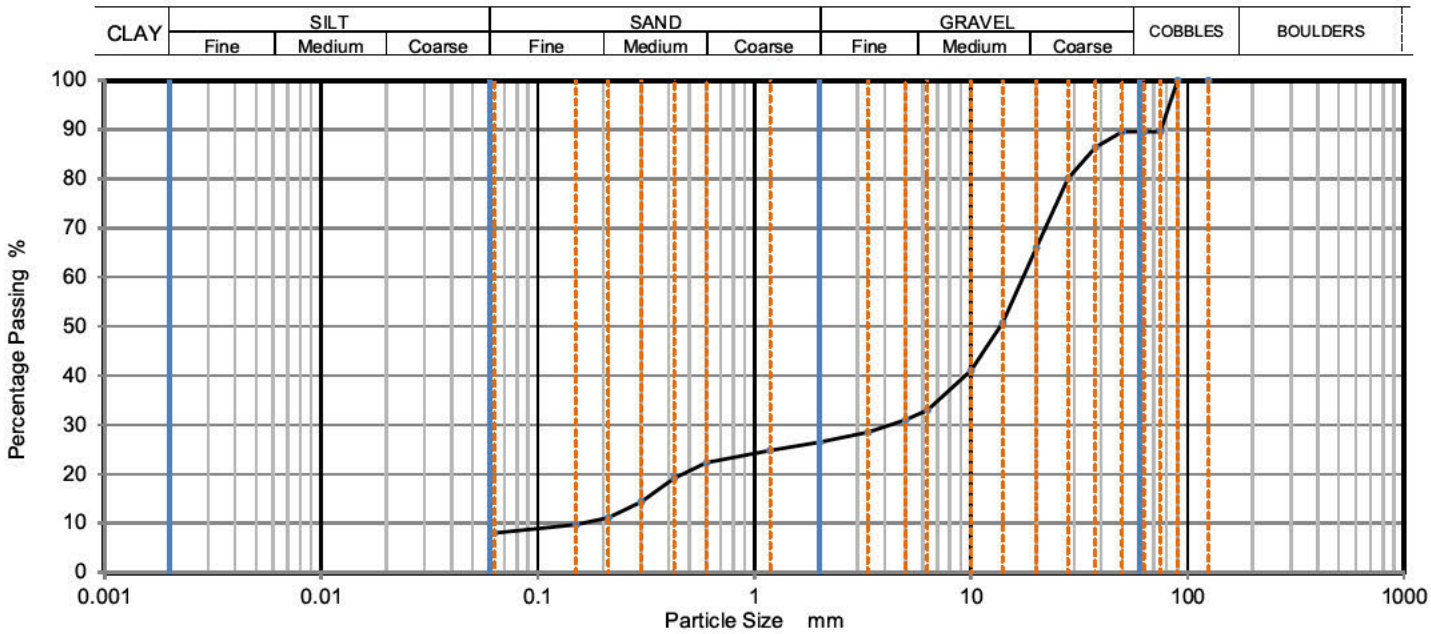
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	15/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137763	Depth Top [m]:	2.80
Hole No.:	TP110	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown clayey sandy GRAVEL with cobbles		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	90		
63	90		
50	90		
37.5	86		
28	80		
20	66		
14	51		
10	41		
6.3	33		
5	31		
3.35	29		
2	27		
1.18	25		
0.6	22		
0.425	19		
0.3	14		
0.212	11		
0.15	10		
0.063	8		

Dry Mass of sample [g]: 8429

Sample Proportions	% dry mass
Very coarse	10.40
Gravel	63.10
Sand	18.50
Fines <0.063mm	8.00

Grading Analysis		
D100	mm	90
D60	mm	17.4
D30	mm	4.26
D10	mm	0.162
Uniformity Coefficient		110
Curvature Coefficient		6.4

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS1377 Part 2 Table 3
Reissue 1: Replacement for triaxial test 1137743

Approved: [redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted] Darren Berrill
eotechnical General Manager

GF 100.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

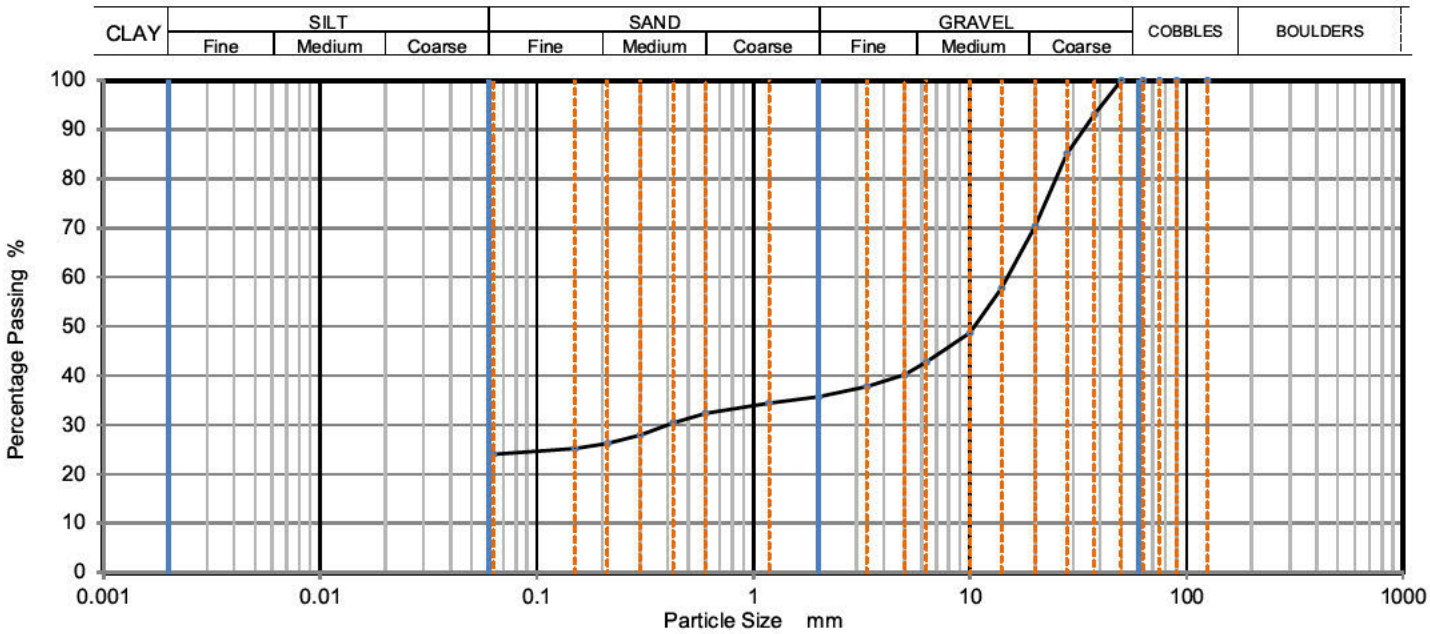
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	15/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137764	Depth Top [m]:	3.00
Hole No.:	TP108	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Yellowish brown sandy clayey GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	93		
28	85		
20	70		
14	58		
10	49		
6.3	43		
5	40		
3.35	38		
2	36		
1.18	34		
0.6	32		
0.425	30		
0.3	28		
0.212	26		
0.15	25		
0.063	24		

Dry Mass of sample [g]: 6559

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	64.30
Sand	11.60
Fines <0.063mm	24.10

Grading Analysis		
D100	mm	50
D60	mm	14.9
D30	mm	0.403
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted] Geotechnical Laboratory Manager
[redacted]**ate Reported:** 21/02/2019

Signed: Darren Berrill
[redacted]Geotechnical General Manager

GF 100.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

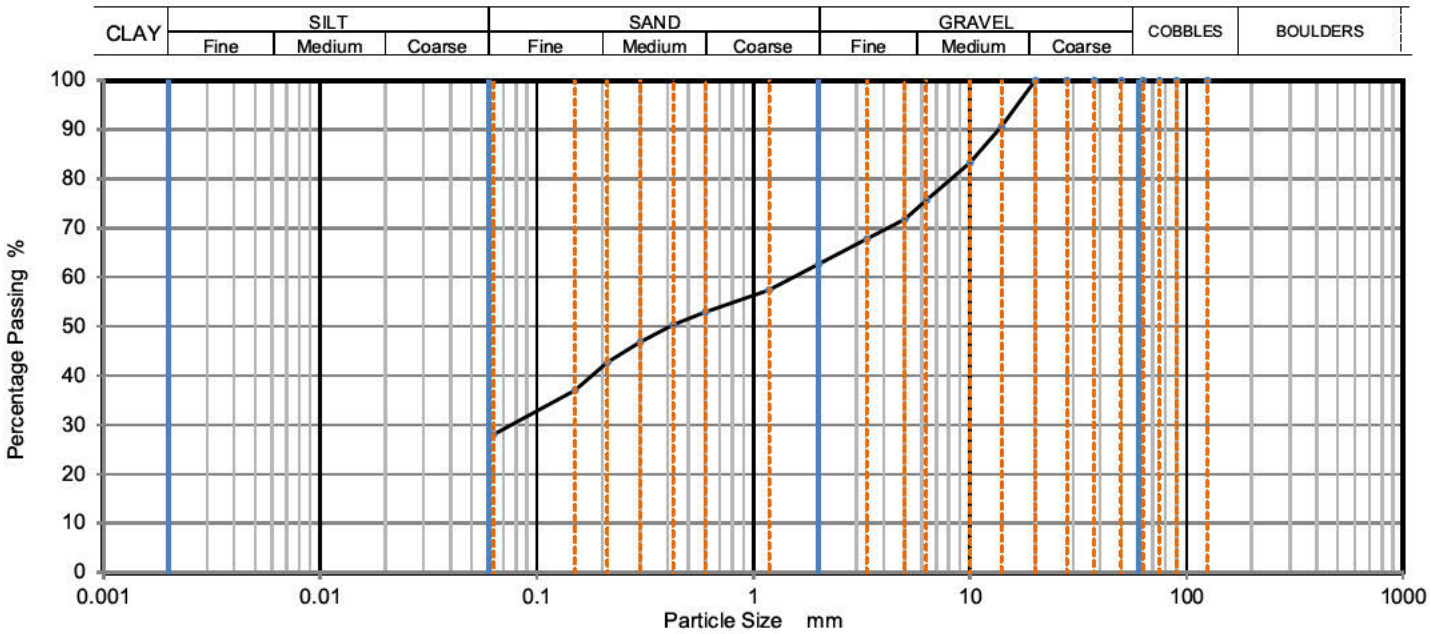
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137771	Depth Top [m]:	Not Given
Hole No.:	TP124	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark brown clayey very sandy GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	100		
20	100		
14	91		
10	83		
6.3	76		
5	72		
3.35	68		
2	63		
1.18	57		
0.6	53		
0.425	50		
0.3	47		
0.212	43		
0.15	37		
0.063	28		

Dry Mass of sample [g]: 1798

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	37.30
Sand	34.50
Fines <0.063mm	28.30

Grading Analysis		
D100	mm	20
D60	mm	1.53
D30	mm	0.075
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

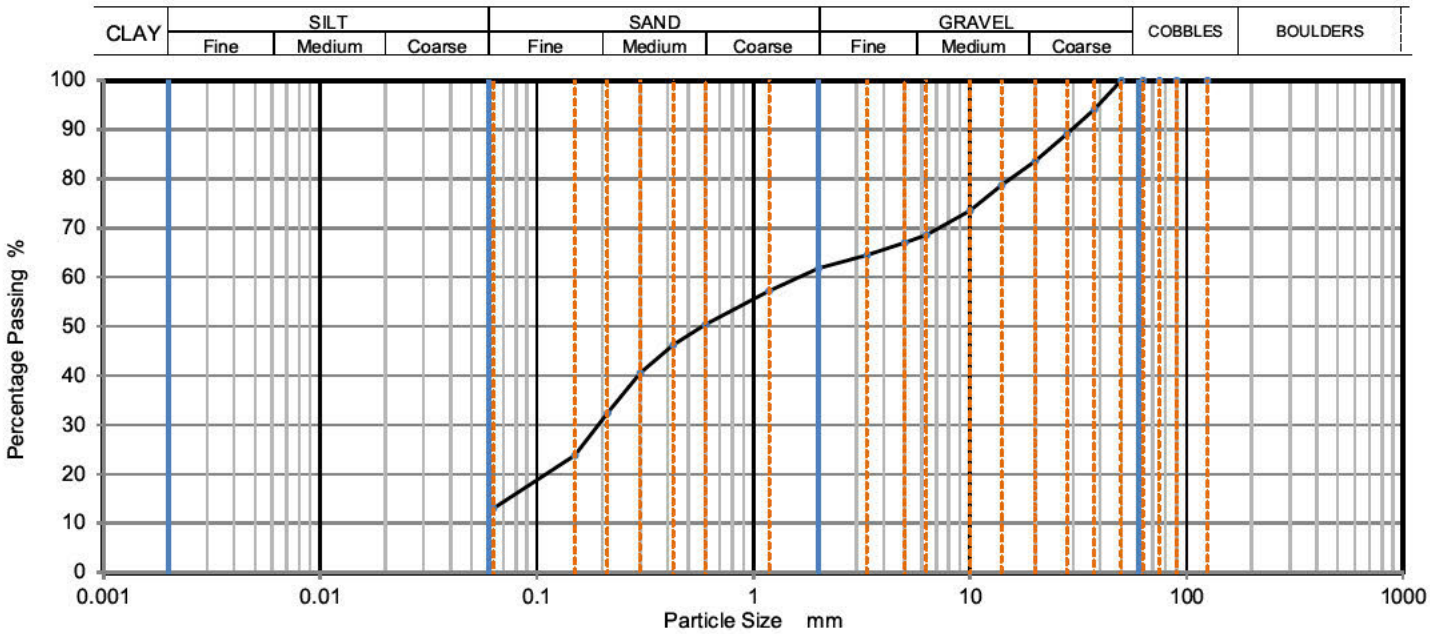
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137772	Depth Top [m]:	Not Given
Hole No.:	TP127	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark brown clayey very gravelly SAND		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	94		
28	89		
20	84		
14	79		
10	74		
6.3	69		
5	67		
3.35	65		
2	62		
1.18	57		
0.6	50		
0.425	46		
0.3	41		
0.212	32		
0.15	24		
0.063	14		

Dry Mass of sample [g]: 5495

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	38.20
Sand	48.00
Fines <0.063mm	13.80

Grading Analysis		
D100	mm	50
D60	mm	1.63
D30	mm	0.192
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS1377 Part 2 Table 3
Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

GF 100.10

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The analysis was carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland."

for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

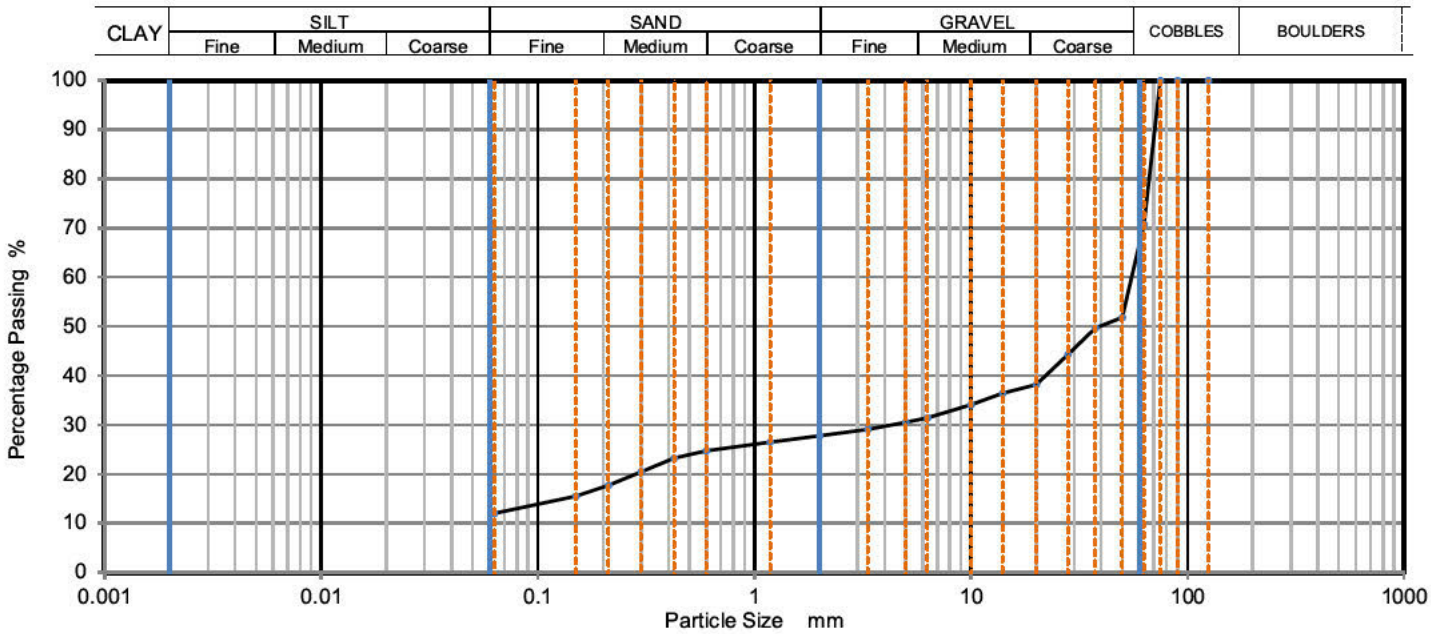
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	07/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137773	Depth Top [m]:	Not Given
Hole No.:	TP122	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dakr brown clayey sandy GRAVEL with cobbles		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100		
90	100		
75	100		
63	71		
50	52		
37.5	50		
28	44		
20	38		
14	36		
10	34		
6.3	31		
5	31		
3.35	29		
2	28		
1.18	27		
0.6	25		
0.425	23		
0.3	20		
0.212	18		
0.15	16		
0.063	13		

Dry Mass of sample [g]: 4421

Sample Proportions	% dry mass
Very coarse	29.30
Gravel	43.00
Sand	15.10
Fines <0.063mm	12.60

Grading Analysis		
D100	mm	75
D60	mm	55.3
D30	mm	4.32
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS1377 Part 2 Table 3
Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Determination of California Bearing Ratio

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

4041

Tested in Accordance with: BS 1377-4: 1990: Clause 7

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	09/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

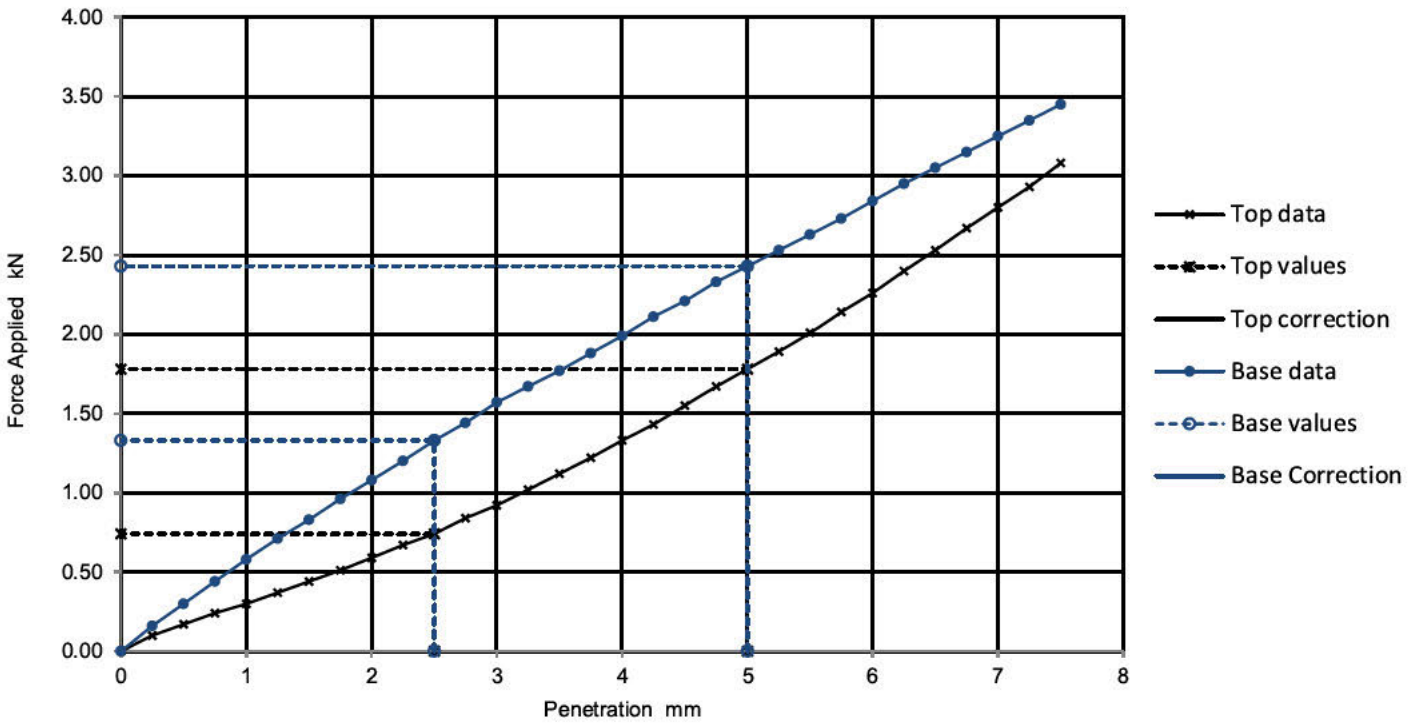
Laboratory Reference:	1137771	Depth Top [m]:	Not Given
Hole No.:	TP124	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark brown clayey sandy GRAVEL		

Specimen Preparation:

Condition	Remoulded	Soaking details	Not soaked
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	days
		Time to surface	days
		Amount of swell recorded	mm
Material retained on 20mm sieve removed	0 %	Dry density after soaking	Mg/m3

Initial Specimen details	Bulk density	1.98	Mg/m3	Surcharge applied	8	kg
	Dry density	1.68	Mg/m3		4.9	kPa
	Moisture content	18	%			

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	No	5.6	8.9	8.9		20
BASE	No	10.0	12.0	12.0		18

Remarks: Reissue 1: Replacement for triaxial test 1137743

Test/ Specimen specific remarks:

Approved: [redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

GF 108.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Dry Density / Moisture Content

Relationship Light Compaction

Tested in Accordance with:
BS 1377-4: 1990

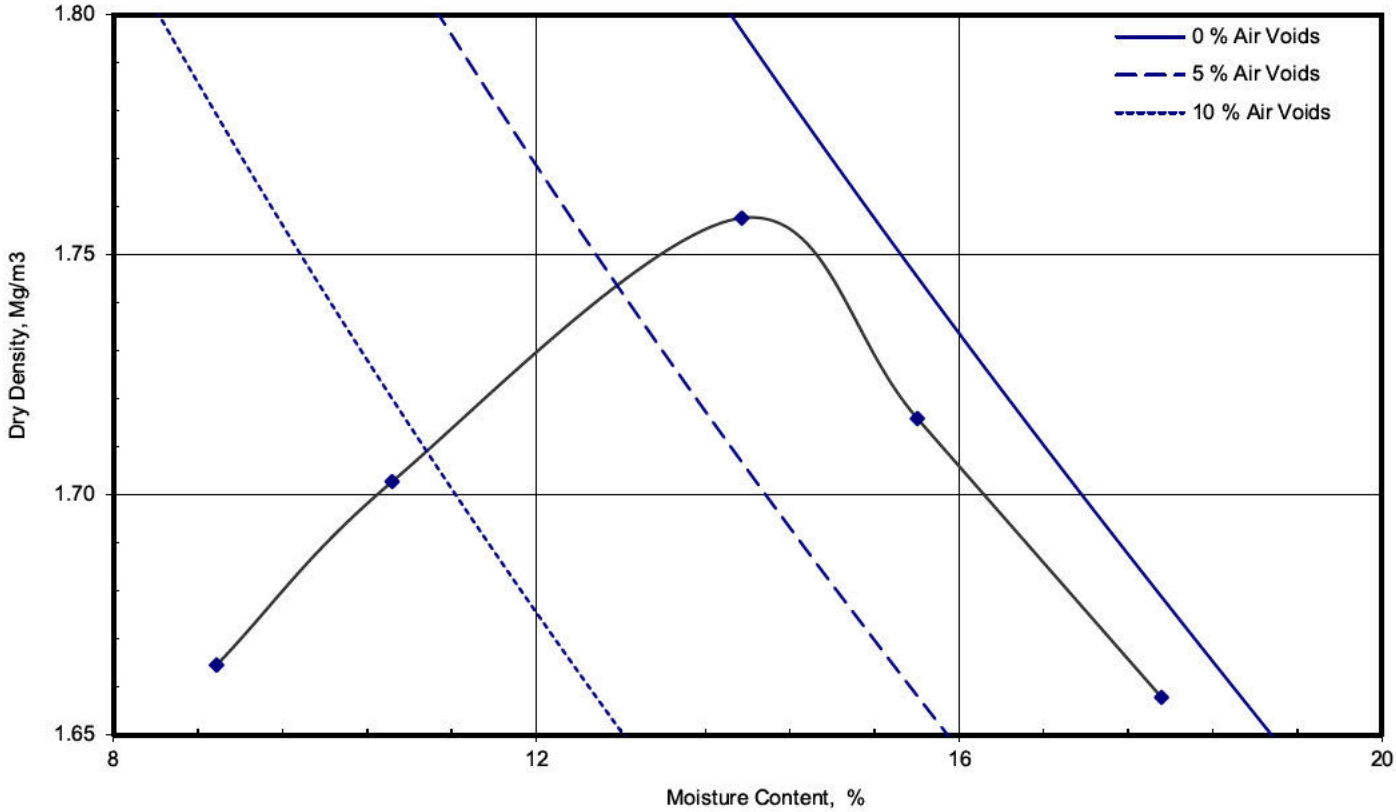
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	09/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137771	Depth Top [m]:	Not Given
Hole No.:	TP124	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark brown clayey very sandy GRAVEL		



Preparation		Material used was natural
Mould Type		1 Litre
Samples Used		Composite specimens tested
Material Retained on 37.5 mm Sieve	%	0
Material Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.40
As received Moisture Content	%	16
Maximum Dry Density	Mg/m³	**1.76**

Optimum Moisture Content	%	**14**

Note: Tested in Accordance with: BS 1377-4: 1990: Clause 3.3 using 2.5kg [light] Rammer

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

[redacted] Darren Berrill
Geotechnical General Manager

GF 109.14

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Dry Density / Moisture Content

Relationship Light Compaction

Tested in Accordance with:
BS 1377-4: 1990

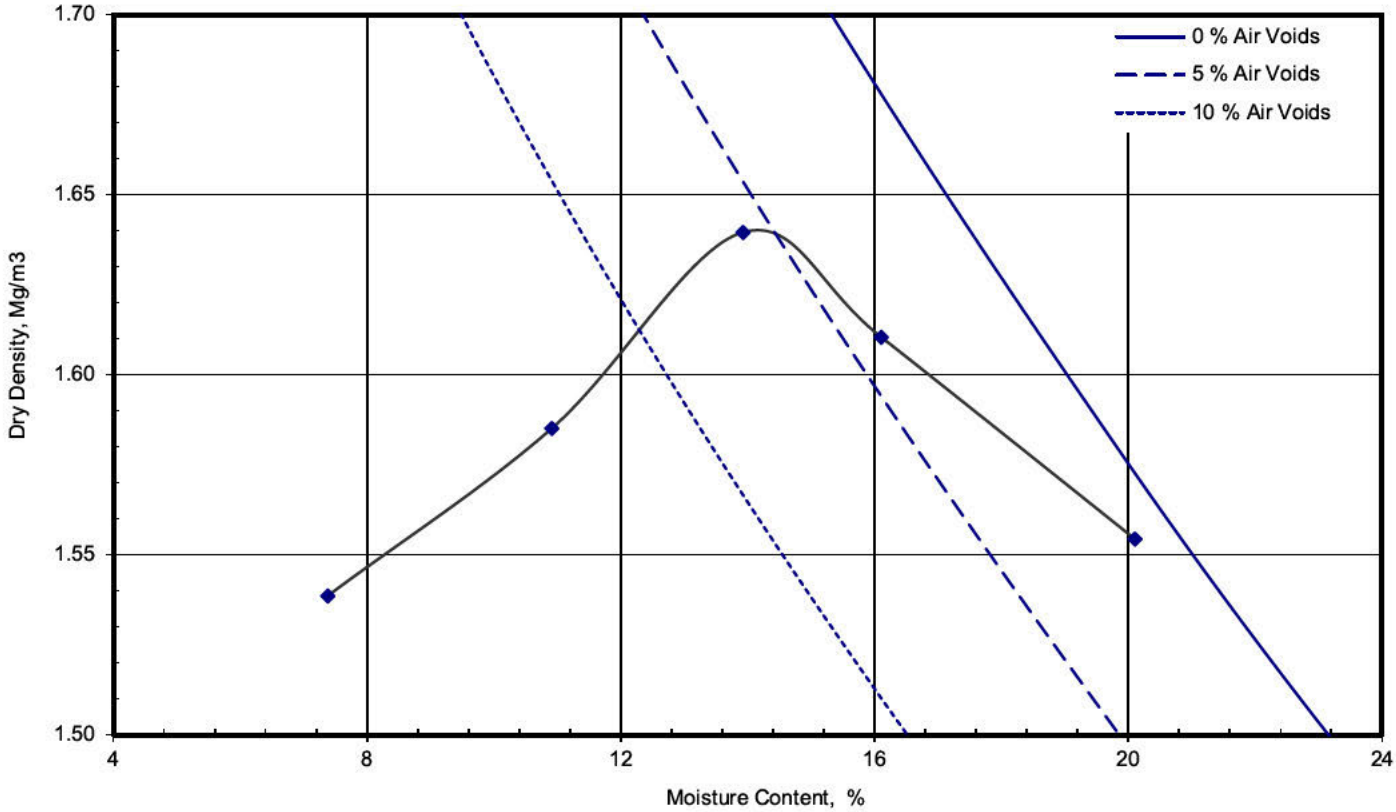
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	09/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137772	Depth Top [m]:	Not Given
Hole No.:	TP127	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dark brown clayey very gravelly SAND		



Preparation		Material used was natural
Mould Type		1 Litre
Samples Used		Composite specimens tested
Material Retained on 37.5 mm Sieve	%	5
Material Retained on 20.0 mm Sieve	%	16
Particle Density - Assumed	Mg/m³	2.30
As received Moisture Content	%	16
Maximum Dry Density	Mg/m³	**1.64**

Optimum Moisture Content	%	**14**

Note: Tested in Accordance with: BS 1377-4: 1990: Clause 3.3 using 2.5kg [light] Rammer

Remarks: Insufficient amount of material - compacted in proctor mould
Reissue 1: Replacement for triaxial test 1137743

[redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Dry Density / Moisture Content

Relationship Light Compaction

Tested in Accordance with:
BS 1377-4: 1990

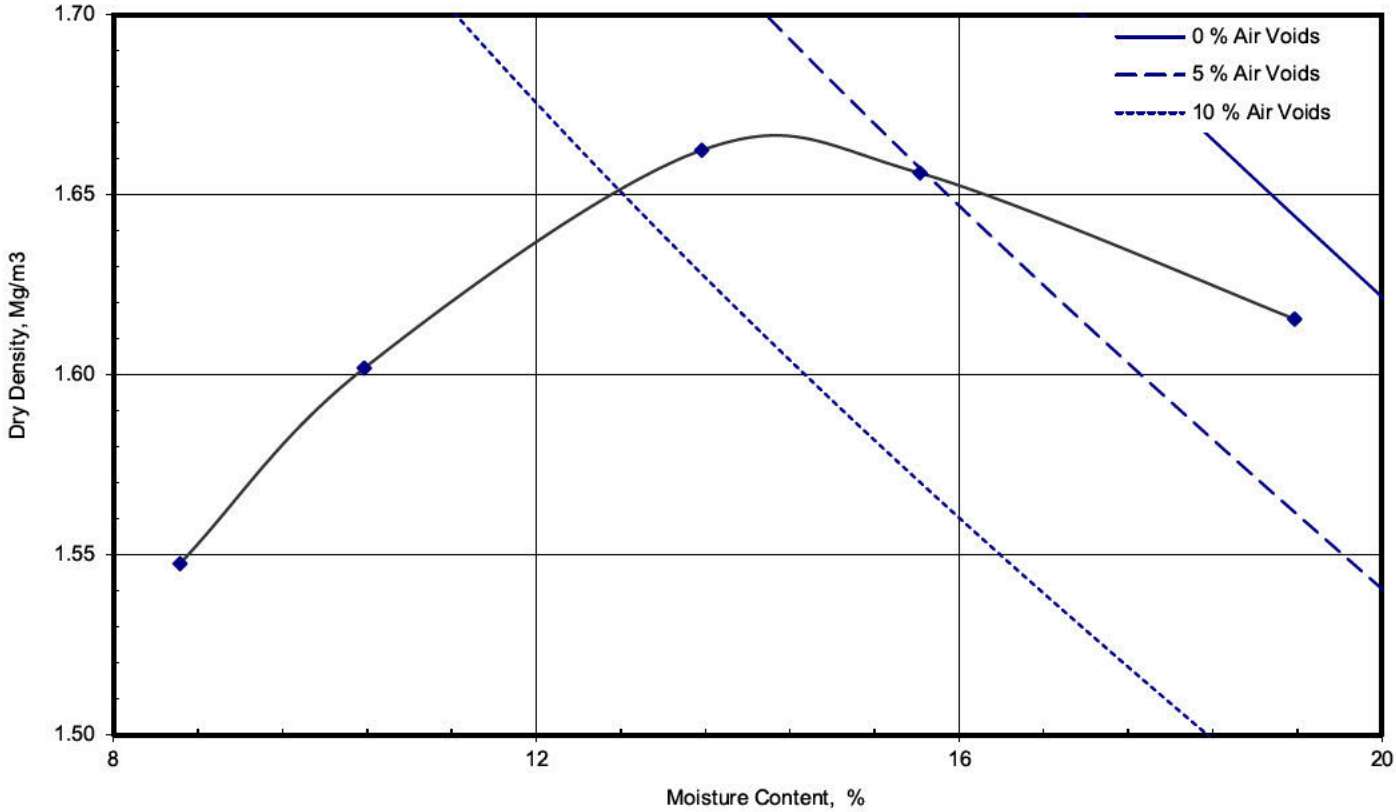
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

4041

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	09/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137773	Depth Top [m]:	Not Given
Hole No.:	TP122	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Dakr brown clayey sandy GRAVEL with cobbles		



Preparation		Material used was natural
Mould Type		CBR
Samples Used		Composite specimens tested
Material Retained on 37.5 mm Sieve	%	50
Material Retained on 20.0 mm Sieve	%	62
Particle Density - Assumed	Mg/m³	2.40
As received Moisture Content	%	19
Maximum Dry Density	Mg/m³	**1.66**

Optimum Moisture Content	%	**14**

Note: Tested in Accordance with: BS 1377-4: 1990: Clause 3.4 using 2.5kg [light] Rammer

Remarks: Zone X - test carried out as per client request. Insufficient amount of material - compacted in proctor mould
Reissue 1: Replacement for triaxial test 1137743

Approved: [redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

One Dimensional Consolidation Test

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

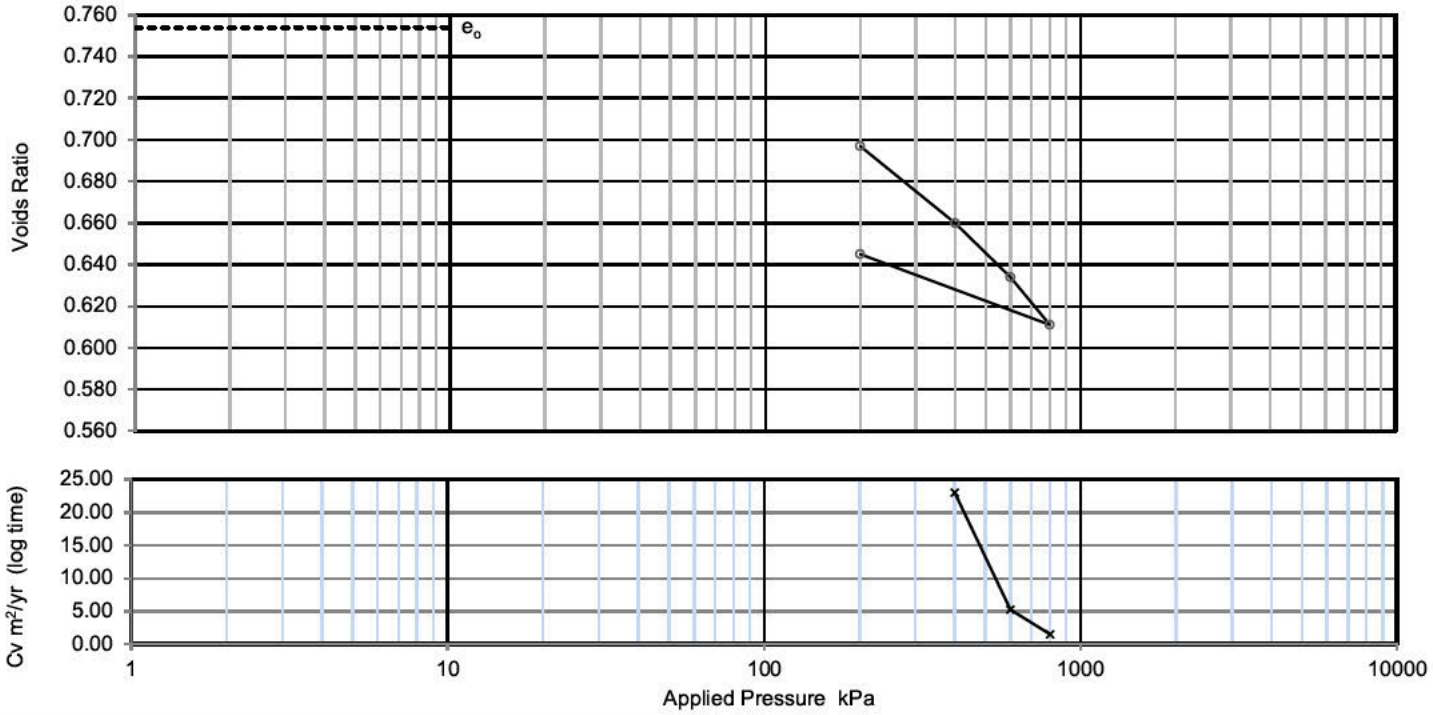
4041

Tested in Accordance with: BS 1377-5: 1990: Clause 3

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	10/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	29/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137738	Depth Top [m]:	10.00
Hole No.:	BH104	Depth Base [m]:	Not Given
Sample Reference:	U2	Sample Type:	U
Sample Description:	Grey CLAY		



Applied Pressure kPa	Voids ratio	Mv m2/MN	Cv (t50, log) m2/yr	Cv (t90, root m2/yr	Csec
0	0.754	-	-	-	-
200	0.697	0.16	N/A	N/A	0.00044
400	0.660	0.11	23	N/A	0.00062
600	0.634	0.079	5.2	2.4	0.0021
800	0.611	0.07	1.5	2.3	0.0019
200	0.645	0.035			

Preparation

Index tests

Orientation of the sample	Vertical		
Particle density	assumed	2.65	Mg/m3
Liquid limit	N/A		%
Plastic limit	N/A		%

Specimen details	Initial	Final	
Diameter	50.00	-	mm
Height	20.18	18.93	mm
Moisture Content	29	28	%
Bulk density	1.94	2.06	Mg/m3
Dry density	1.51	1.61	Mg/m3
Voids Ratio	0.754	0.645	
Saturation	101	115	%
Avg. temperature for test	22.0		°C
Swelling Pressure	Not measured		kPa
Settlement on saturation			%

Note: Cv corrected to 20°C

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]PL Geotechnical Laboratory Manager
[redacted]**Date Reported:** 21/02/2019

[redacted]arren Berrill
[redacted]eotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

One Dimensional Consolidation Test

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

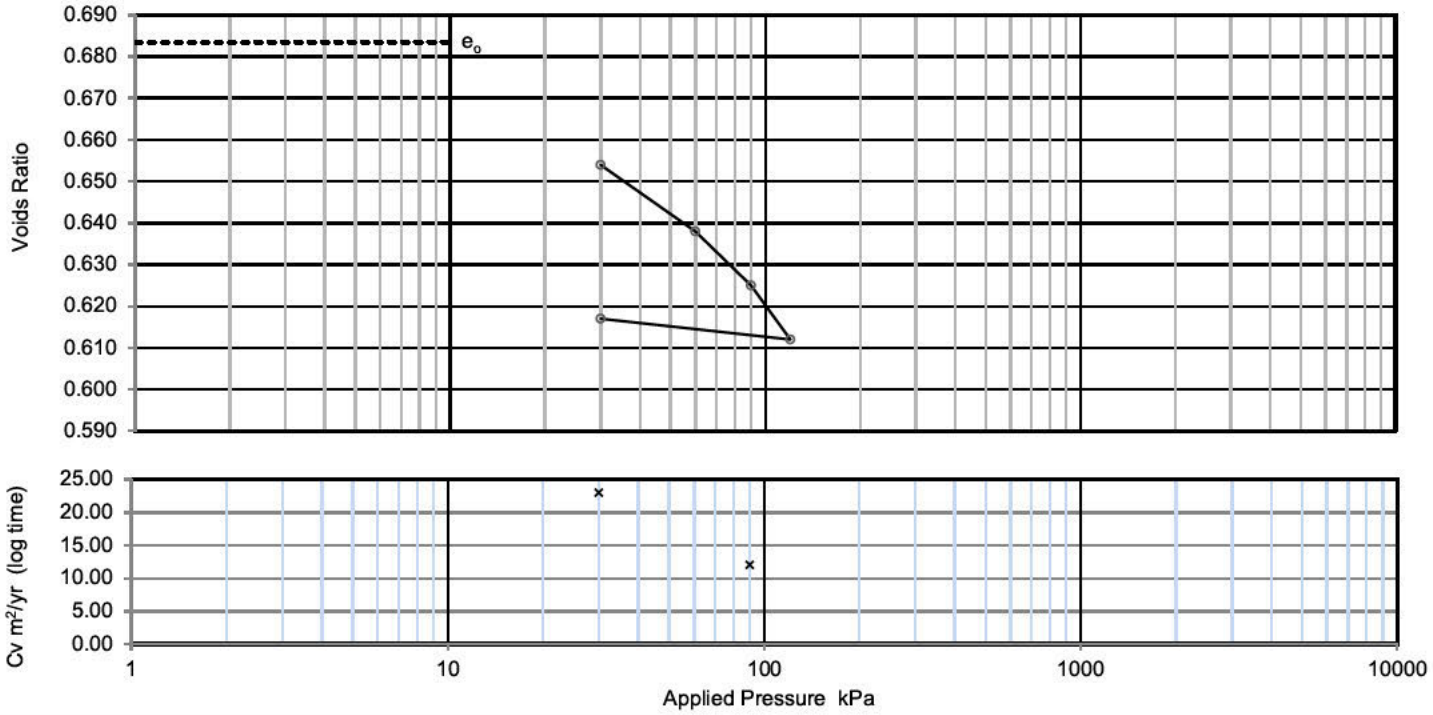
UKAS TESTING 4041

Tested in Accordance with: BS 1377-5: 1990: Clause 3

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	11/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	29/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137739	Depth Top [m]:	1.50
Hole No.:	BH105	Depth Base [m]:	1.80
Sample Reference:	U1	Sample Type:	U
Sample Description:	Greyish brown slightly silty sandy CLAY		



Applied Pressure kPa	Voids ratio	Mv m2/MN	Cv (t50, log) m2/yr	Cv (t90, root m2/yr	Csec
0	0.683	-	-	-	-
30	0.654	0.58	23	26	N/A
60	0.638	0.34	N/A	34	0.00064
90	0.625	0.26	12	22	0.00088
120	0.612	0.26	N/A	4.9	N/A
30	0.617	0.034			

Preparation

Index tests

Orientation of the sample	Vertical		
Particle density	assumed	2.65	Mg/m3
Liquid limit	N/A		%
Plastic limit	N/A		%

Specimen details	Initial	Final	
Diameter	50.08	-	mm
Height	19.99	19.20	mm
Moisture Content	25	32	%
Bulk density	1.96	2.16	Mg/m3
Dry density	1.57	1.64	Mg/m3
Voids Ratio	0.683	0.617	
Saturation	96	136	%
Avg. temperature for test	22.0		°C
Swelling Pressure	Not measured		kPa
Settlement on saturation			%

Note: Cv corrected to 20°C

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

[redacted]

[redacted] Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

One Dimensional Consolidation Test

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

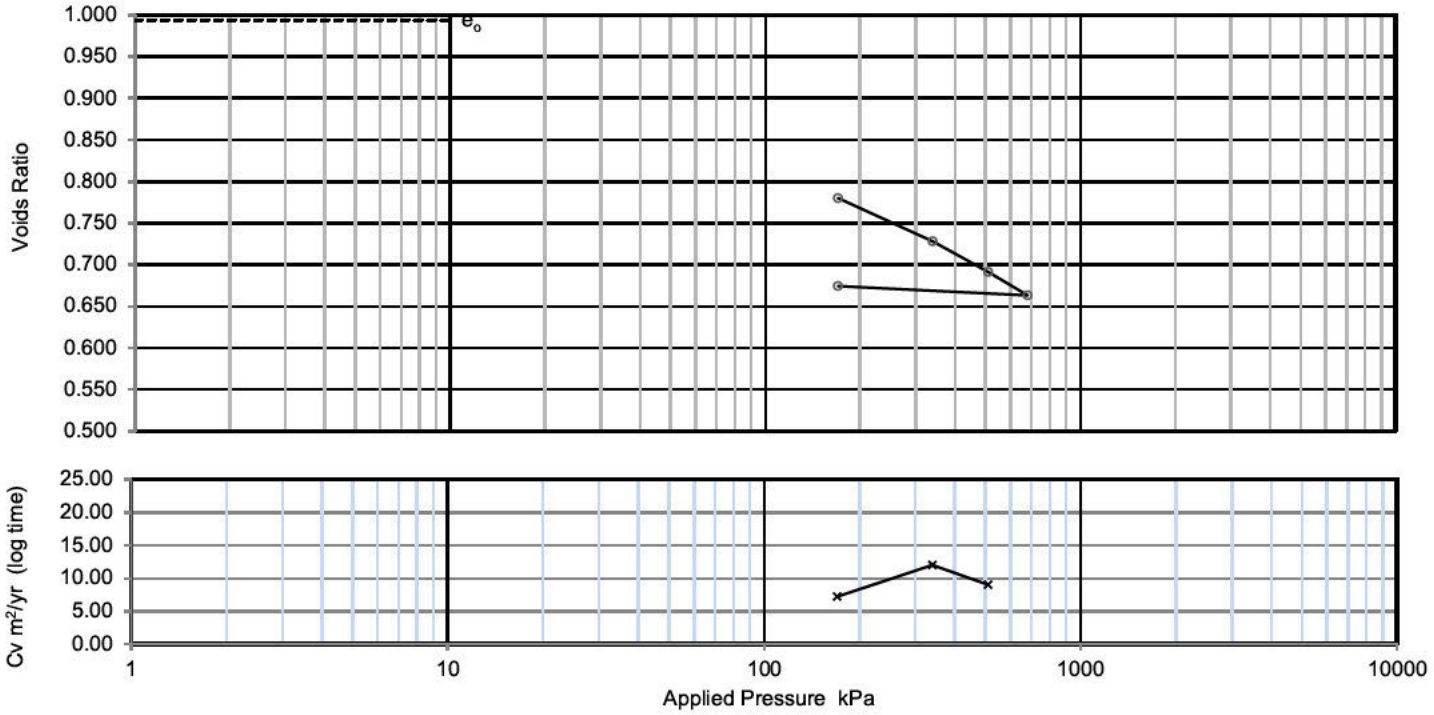
4041

Tested in Accordance with: BS 1377-5: 1990: Clause 3

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	15/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	29/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137750	Depth Top [m]:	8.50
Hole No.:	BH109	Depth Base [m]:	8.80
Sample Reference:	U2	Sample Type:	U
Sample Description:	Greyish brown silty CLAY		



Applied Pressure kPa	Voids ratio	Mv m2/MN	Cv (t50, log) m2/yr	Cv (t90, root m2/yr	Csec
0	0.994	-	-	-	-
170	0.780	0.63	7.2	6.9	0.00083
340	0.728	0.17	12	18	0.0019
510	0.691	0.13	9	13	0.0019
680	0.663	0.097	N/A	7.5	N/A
170	0.674	0.013			

Preparation

Index tests

Orientation of the sample	Vertical		
Particle density	assumed	2.65	Mg/m3
Liquid limit	N/A		%
Plastic limit	N/A		%

Specimen details	Initial	Final	
Diameter	50.02	-	mm
Height	20.08	16.86	mm
Moisture Content	38	29	%
Bulk density	1.83	2.05	Mg/m3
Dry density	1.33	1.58	Mg/m3
Voids Ratio	0.994	0.674	
Saturation	100	115	%
Avg. temperature for test	22.0		°C
Swelling Pressure	Not measured		kPa
Settlement on saturation			%

Note: Cv corrected to 20°C

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

[redacted]

Signed: Darren Berrill
Geotechnical General Manager

[redacted]

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

One Dimensional Consolidation Test

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

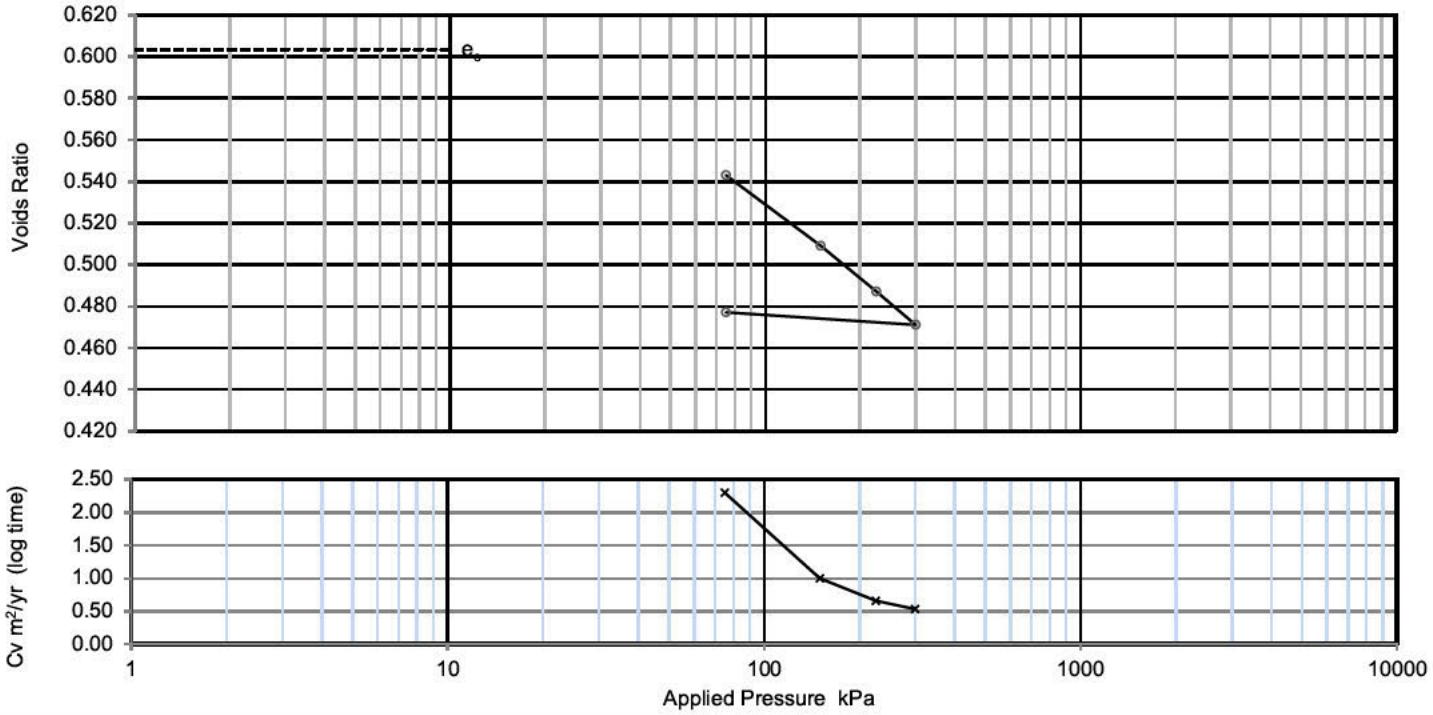
4041

Tested in Accordance with: BS 1377-5: 1990: Clause 3

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	16/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	29/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137753	Depth Top [m]:	3.60
Hole No.:	BH111	Depth Base [m]:	Not Given
Sample Reference:	U2	Sample Type:	U
Sample Description:	Brown slightly gravelly sandy CLAY		



Applied Pressure kPa	Voids ratio	Mv m2/MN	Cv (t50, log) m2/yr	Cv (t90, root m2/yr	Csec
0	0.603	-	-	-	-
75	0.543	0.51	2.3	7.1	0.00086
150	0.509	0.29	1	3.3	0.0012
225	0.487	0.19	0.66	1.5	0.0012
300	0.471	0.14	0.53	0.59	0.0019
75	0.477	0.018			

Preparation

Index tests

Orientation of the sample	Vertical		
Particle density	assumed	2.65	Mg/m3
Liquid limit	N/A		%
Plastic limit	N/A		%

Specimen details	Initial	Final	
Diameter	50.00	-	mm
Height	20.30	18.70	mm
Moisture Content	23	19	%
Bulk density	2.03	2.13	Mg/m3
Dry density	1.65	1.79	Mg/m3
Voids Ratio	0.603	0.477	
Saturation	101	105	%
Avg. temperature for test	22.0		°C
Swelling Pressure	Not measured		kPa
Settlement on saturation			%

Note: Cv corrected to 20°C

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

[redacted]

[redacted] Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

One Dimensional Consolidation Test

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

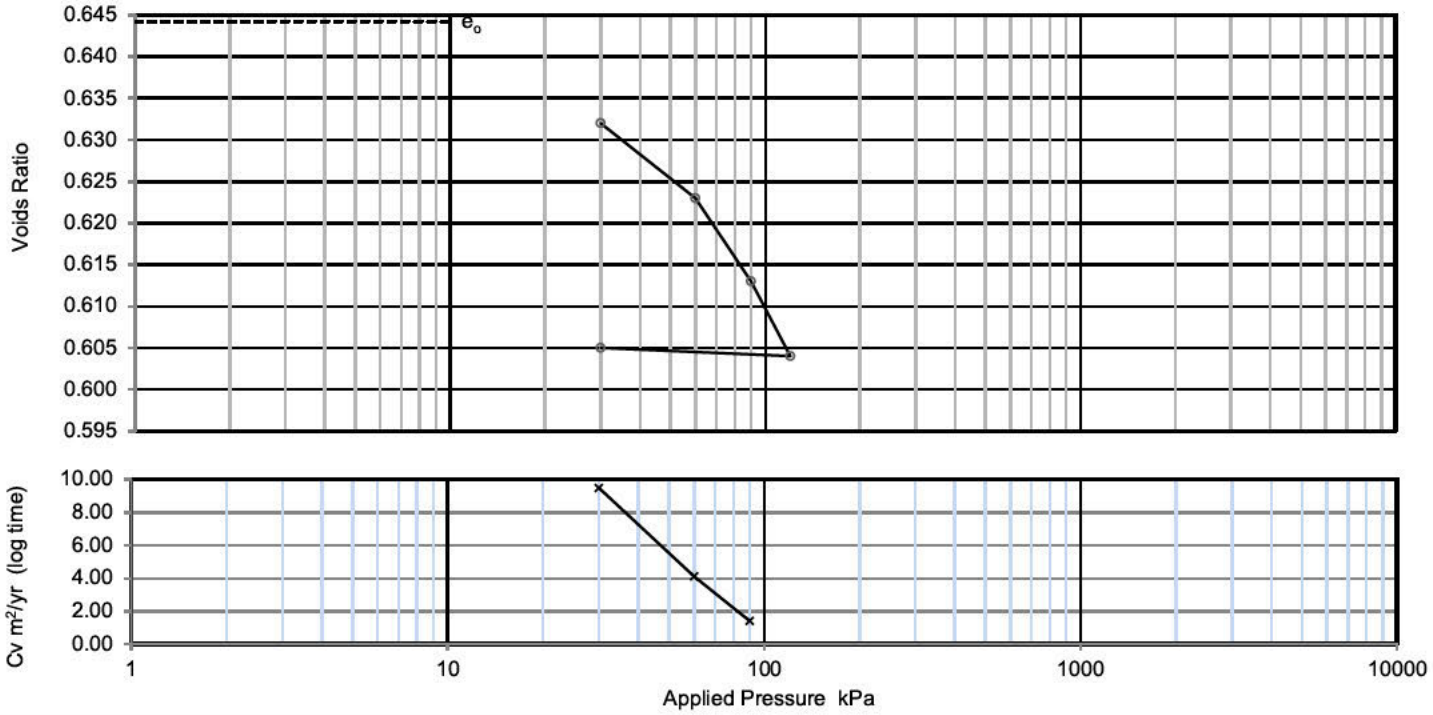
4041

Tested in Accordance with: BS 1377-5: 1990: Clause 3

Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	11/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	29/01/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1137754	Depth Top [m]:	1.50
Hole No.:	BH110	Depth Base [m]:	Not Given
Sample Reference:	U1	Sample Type:	U
Sample Description:	Greyish brown slightly gravelly sandy CLAY		



Applied Pressure kPa	Voids ratio	Mv m2/MN	Cv (t50, log) m2/yr	Cv (t90, root m2/yr	Csec
0	0.644	-	-	-	-
30	0.632	0.24	9.5	11	0.00077
60	0.623	0.2	4.1	11	0.00064
90	0.613	0.19	1.4	3.5	0.0013
120	0.604	0.19	N/A	2.8	N/A
30	0.605	0.0074			

Preparation

Index tests

Orientation of the sample	Vertical		
Particle density	assumed	2.65	Mg/m3
Liquid limit	N/A		%
Plastic limit	N/A		%

Specimen details	Initial	Final	
Diameter	50.00	-	mm
Height	20.10	19.62	mm
Moisture Content	23	21	%
Bulk density	1.98	2.00	Mg/m3
Dry density	1.61	1.65	Mg/m3
Voids Ratio	0.644	0.605	
Saturation	93	93	%
Avg. temperature for test	22.0		°C
Swelling Pressure	Not measured		kPa
Settlement on saturation			%

Note: Cv corrected to 20°C

Remarks: Reissue 1: Replacement for triaxial test 1137743

[redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

[redacted] Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

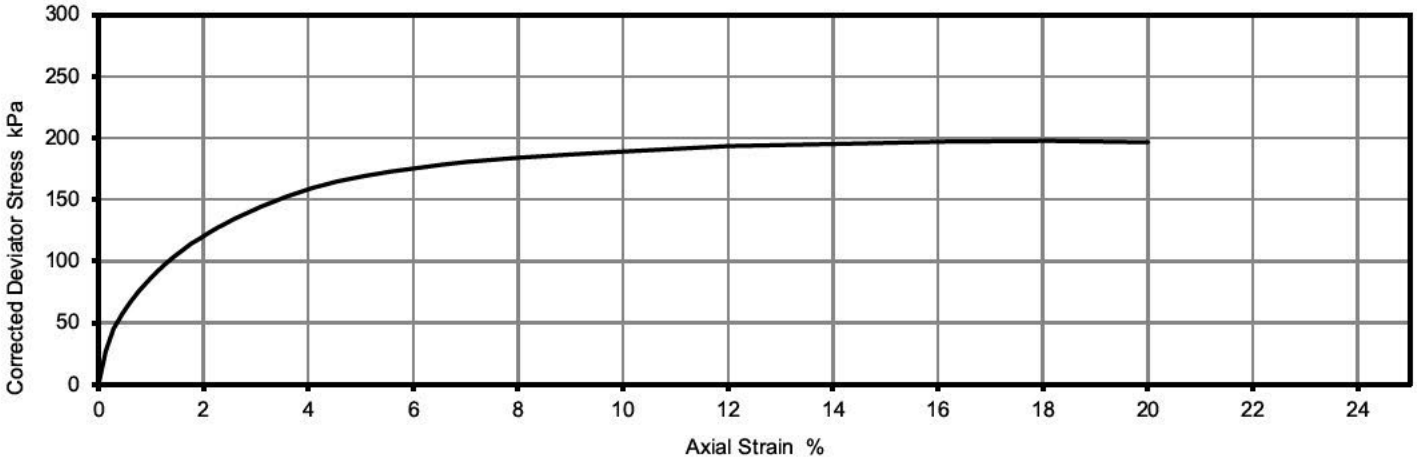
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	10/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

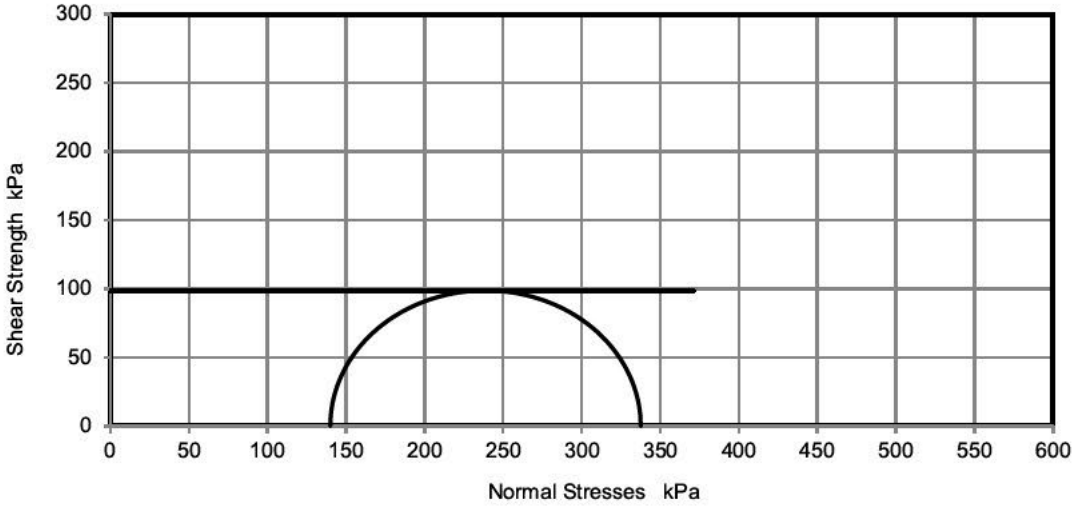
Laboratory Reference:	1137737	Depth Top [m]:	7.00
Hole No.:	BH104	Depth Base [m]:	Not Given
Sample Reference:	U1	Sample Type:	U
Sample Description:	Brownish grey slightly silty CLAY		

Test Number	1		Rate of Strain	2.00	%/min
Length	182.25	mm	Cell Pressure	140	kPa
Diameter	102.40	mm	Axial Strain at failure	18.1	%
Bulk Density	1.98	Mg/m3	Deviator Stress, (σ1 - σ3)f	198	kPa
Moisture Content	28	%	Undrained Shear Strength, cu	99	kPa ½(σ1 - σ3)f
Dry Density	1.55	Mg/m3	Mode of Failure	Compound	
Membrane Correction	1.14	kPa	Membrane thickness	0.33	mm

Deviator Stress v Axial Strain



Mohr Circles



Position within sample

Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks: Reissue 1: Replacement for triaxial test 1137743

[redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

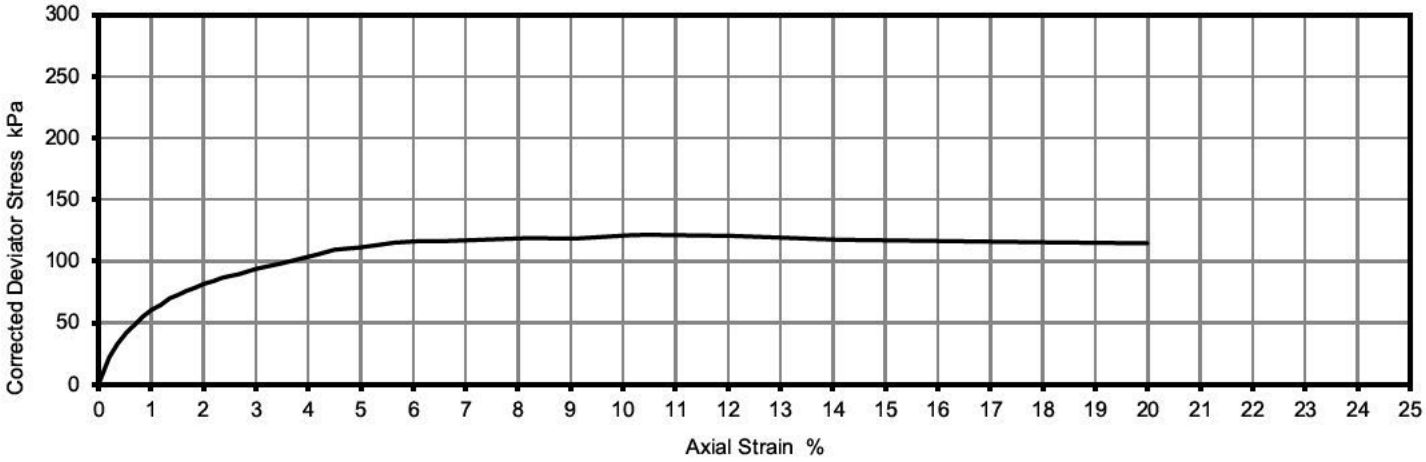
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	14/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

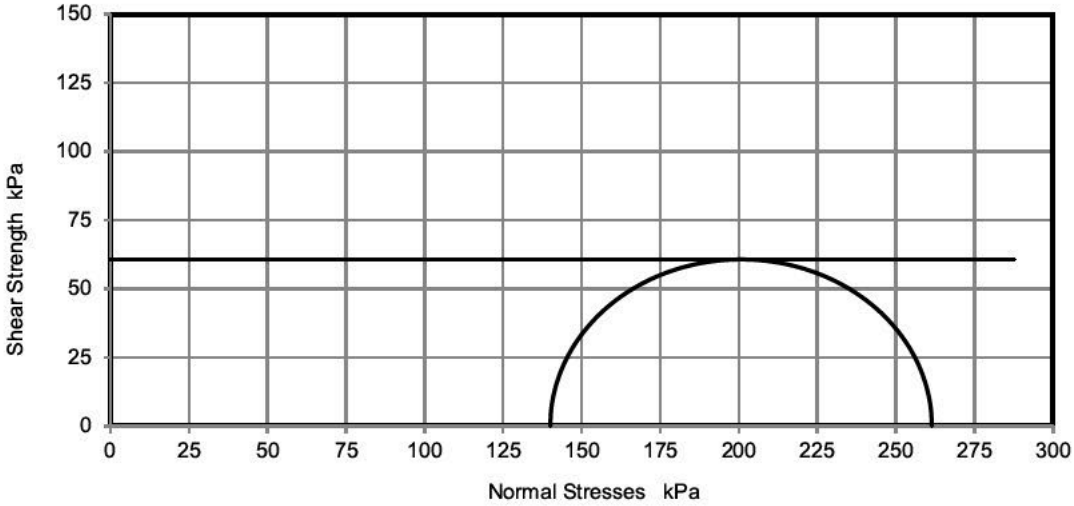
Laboratory Reference:	1137742	Depth Top [m]:	7.00
Hole No.:	BH105	Depth Base [m]:	7.25
Sample Reference:	U2	Sample Type:	U
Sample Description:	Brownish grey silty CLAY		

Test Number	1		Rate of Strain	2.00	%/min
Length	96.57	mm	Cell Pressure	140	kPa
Diameter	48.28	mm	Axial Strain at failure	10.4	%
Bulk Density	1.90	Mg/m3	Deviator Stress, (σ1 - σ3)f	121	kPa
Moisture Content	29	%	Undrained Shear Strength, cu	61	kPa ½(σ1 - σ3)f
Dry Density	1.47	Mg/m3	Mode of Failure	Compound	
Membrane Correction	1.33	kPa	Membrane thickness	0.28	mm

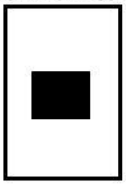
Deviator Stress v Axial Strain



Mohr Circles



Position within sample



Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

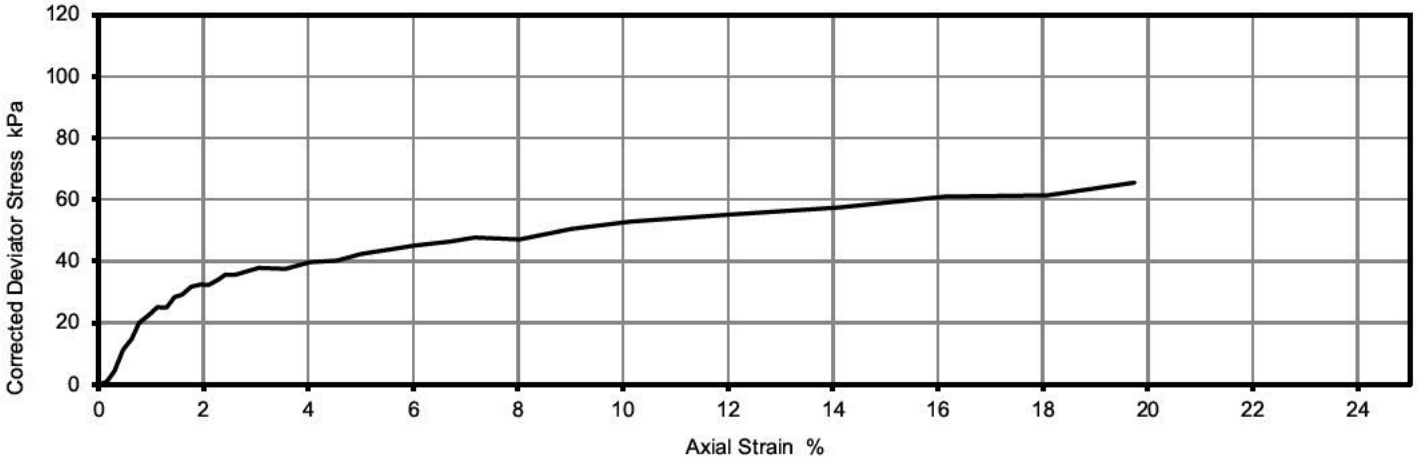
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	14/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

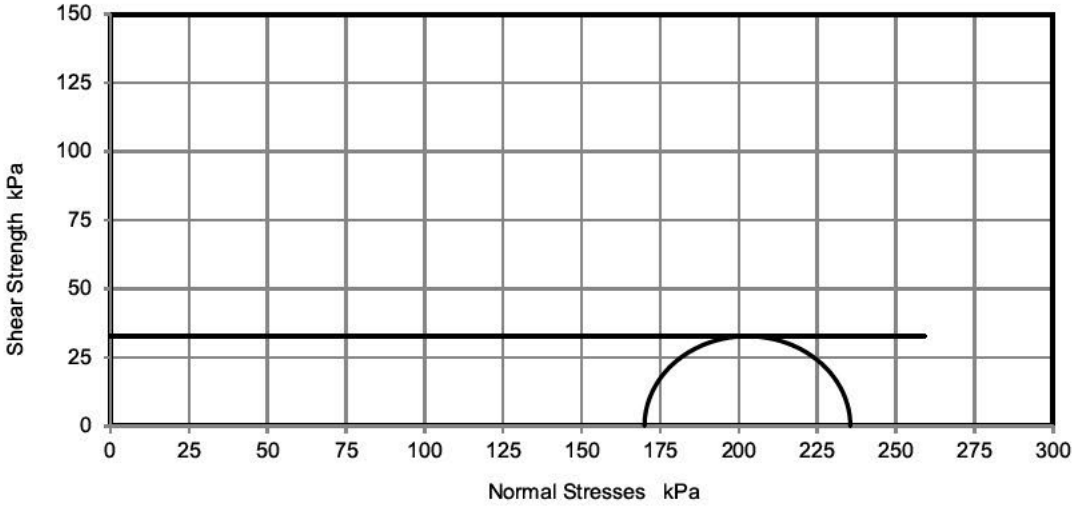
Laboratory Reference:	1137743	Depth Top [m]:	10.00
Hole No.:	BH105	Depth Base [m]:	10.30
Sample Reference:	U3	Sample Type:	U
Sample Description:	Brownish grey silty CLAY		

Test Number	1		Rate of Strain	2.00	%/min
Length	72.31	mm	Cell Pressure	170	kPa
Diameter	37.98	mm	Axial Strain at failure	19.7	%
Bulk Density	1.80	Mg/m3	Deviator Stress, (σ1 - σ3)f	66	kPa
Moisture Content	32	%	Undrained Shear Strength, cu	33	kPa ½(σ1 - σ3)f
Dry Density	1.37	Mg/m3	Mode of Failure	Plastic	
Membrane Correction	3.21	kPa	Membrane thickness	0.32	mm

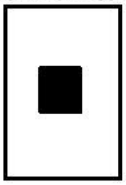
Deviator Stress v Axial Strain



Mohr Circles



Position within sample



Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks: Replacement BH111 U3 8,50m depth
Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager
[redacted]

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

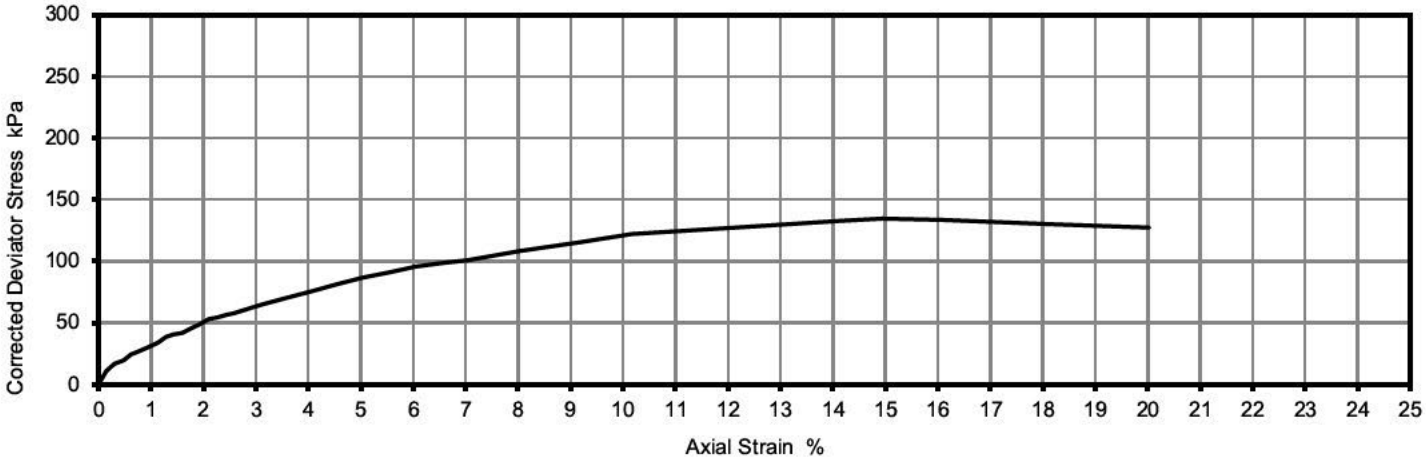
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	14/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

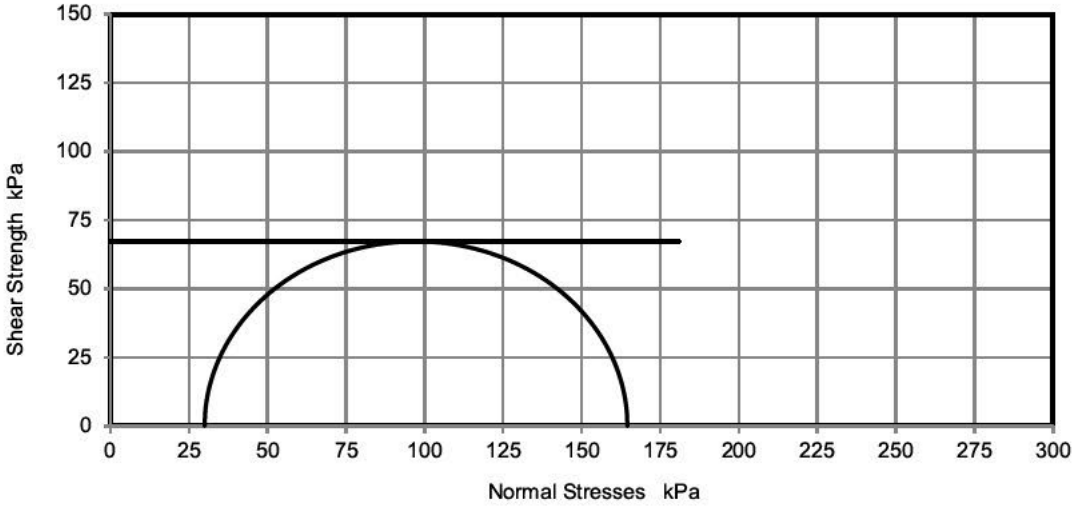
Laboratory Reference:	1137747	Depth Top [m]:	1.50
Hole No.:	BH109	Depth Base [m]:	1.80
Sample Reference:	U1	Sample Type:	U
Sample Description:	Brown slightly gravelly CLAY		

Test Number	1		Rate of Strain	2.00	%/min
Length	97.82	mm	Cell Pressure	30	kPa
Diameter	49.30	mm	Axial Strain at failure	14.9	%
Bulk Density	2.04	Mg/m3	Deviator Stress, (σ1 - σ3)f	135	kPa
Moisture Content	22	%	Undrained Shear Strength, cu	67	kPa ½(σ1 - σ3)f
Dry Density	1.67	Mg/m3	Mode of Failure	Compound	
Membrane Correction	1.78	kPa	Membrane thickness	0.29	mm

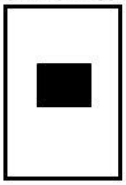
Deviator Stress v Axial Strain



Mohr Circles



Position within sample



Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
[redacted]
Geotechnical General Manager

GF 184.6

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The results included within the report are representative of the samples submitted for analysis.
The analysis was carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland."

for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

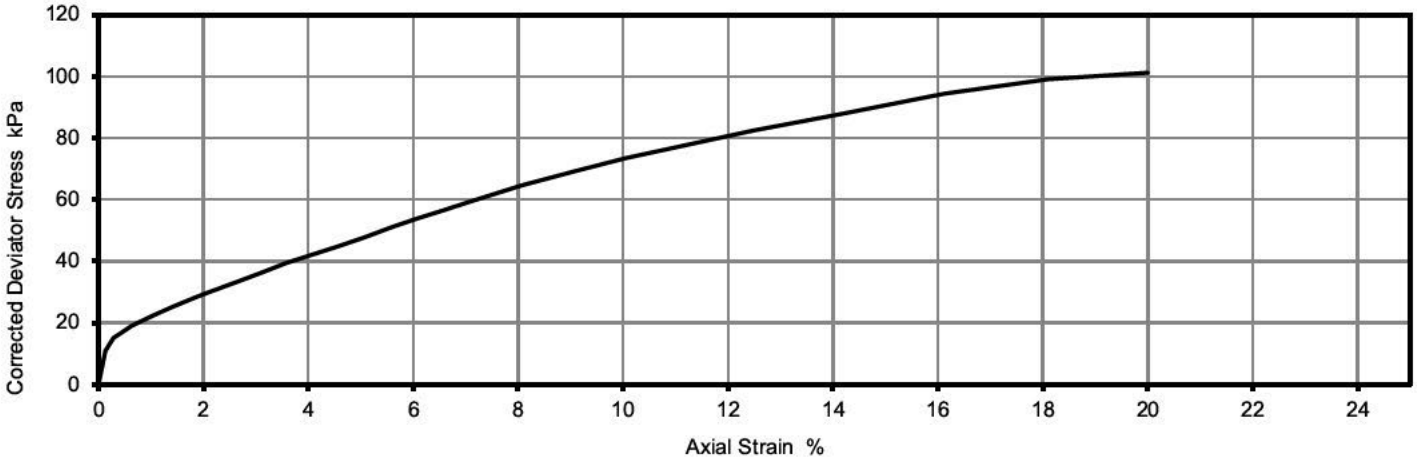
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	16/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

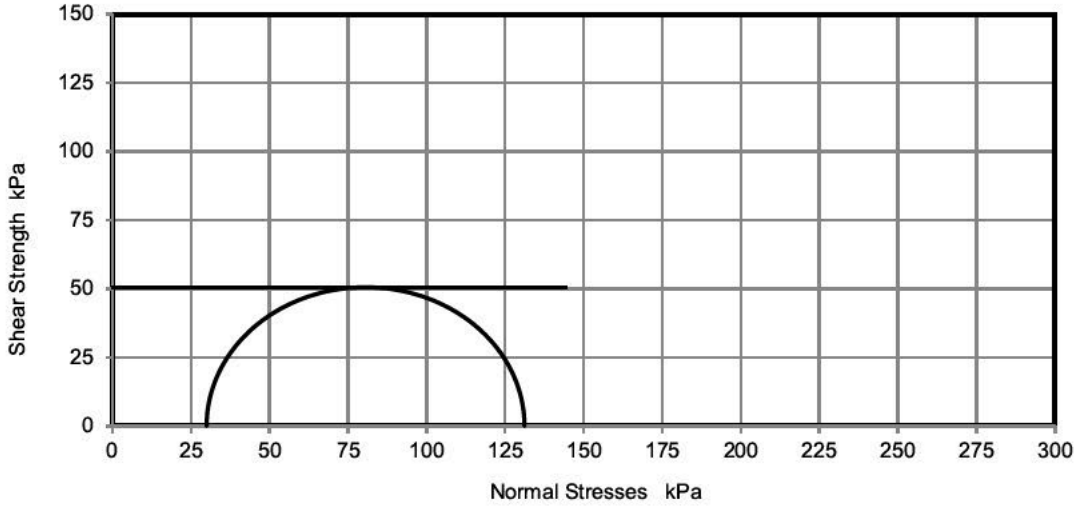
Laboratory Reference:	1137751	Depth Top [m]:	1.50
Hole No.:	BH111	Depth Base [m]:	1.80
Sample Reference:	U1	Sample Type:	U
Sample Description:	Grey to brown slightly gravelly silty CLAY		

Test Number	1		Rate of Strain	2.00	%/min
Length	132.27	mm	Cell Pressure	30	kPa
Diameter	69.76	mm	Axial Strain at failure	20.0	%
Bulk Density	2.07	Mg/m3	Deviator Stress, (σ1 - σ3)f	101	kPa
Moisture Content	24	%	Undrained Shear Strength, cu	51	kPa ½(σ1 - σ3)f
Dry Density	1.67	Mg/m3	Mode of Failure	Plastic	
Membrane Correction	1.60	kPa	Membrane thickness	0.29	mm

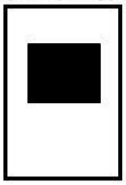
Deviator Stress v Axial Strain



Mohr Circles



Position within sample



Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
[redacted] Geotechnical Laboratory Manager
[redacted]**te Reported:** 21/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

GF 184.6

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

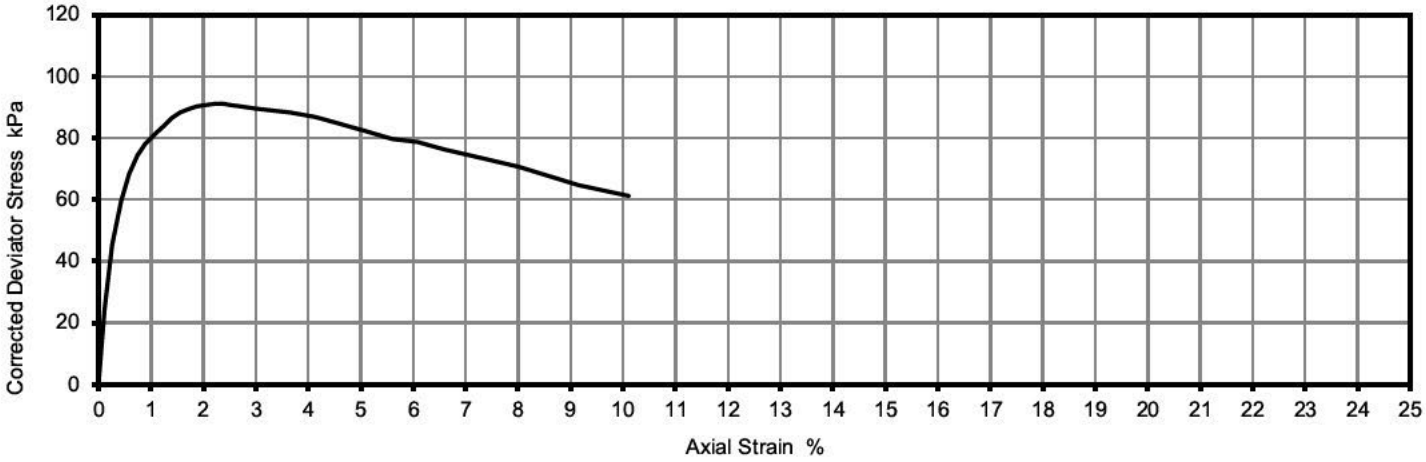
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	11/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

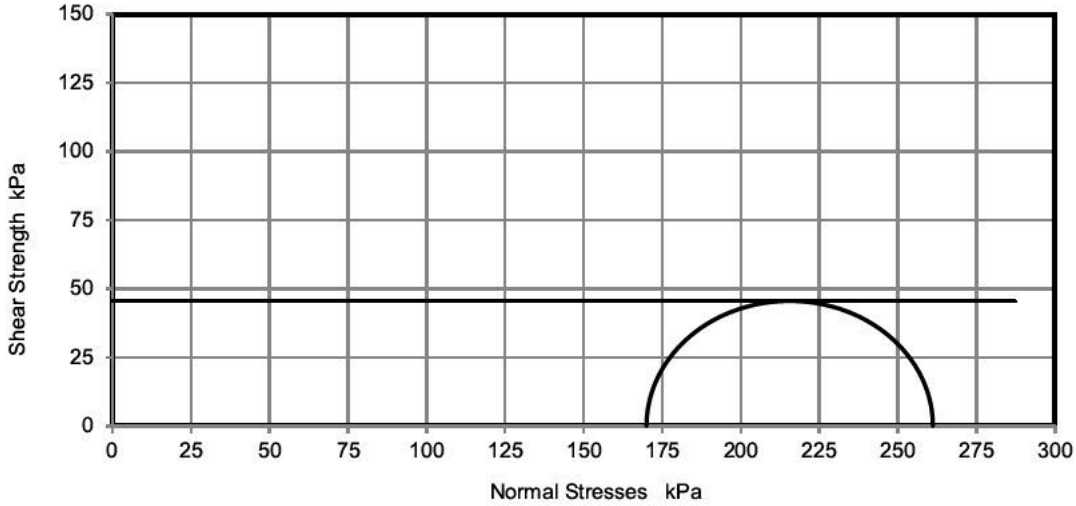
Laboratory Reference:	1137755	Depth Top [m]:	8.50
Hole No.:	BH110	Depth Base [m]:	Not Given
Sample Reference:	U2	Sample Type:	U
Sample Description:	Brownish grey CLAY		

Test Number	1		Rate of Strain	1.95	%/min
Length	205.39	mm	Cell Pressure	170	kPa
Diameter	100.45	mm	Axial Strain at failure	2.4	%
Bulk Density	1.92	Mg/m3	Deviator Stress, (σ1 - σ3)f	91	kPa
Moisture Content	33	%	Undrained Shear Strength, cu	46	kPa ½(σ1 - σ3)f
Dry Density	1.44	Mg/m3	Mode of Failure	Brittle	
Membrane Correction	0.15	kPa	Membrane thickness	0.24	mm

Deviator Stress v Axial Strain



Mohr Circles



Position within sample

Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Unconsolidated Undrained

Triaxial Compression

Tested in Accordance with:
BS 1377-7: 1990: Clause 8

UKAS TESTING 4041

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

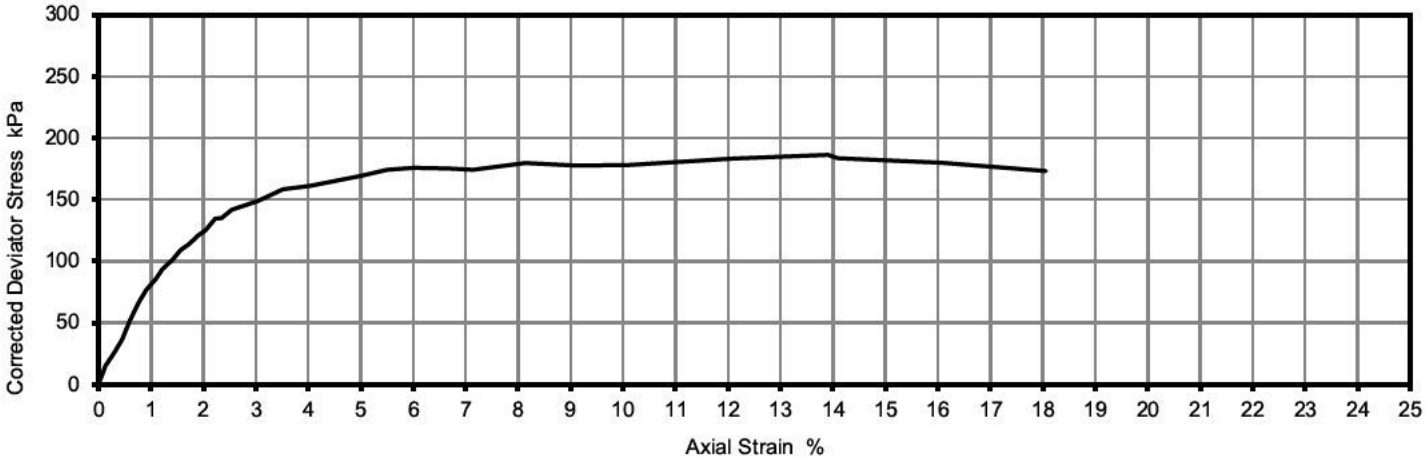
Client:	Delta-Simons	Client Reference:	19-25871
Client Address:	Suite C1, Joseph's Well, Hanover Walk, Leeds, LS3 1AB	Job Number:	19-25871
		Date Sampled:	11/01/2019
		Date Received:	18/01/2019
Contact:	Francesca Hammond	Date Tested:	08/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Result

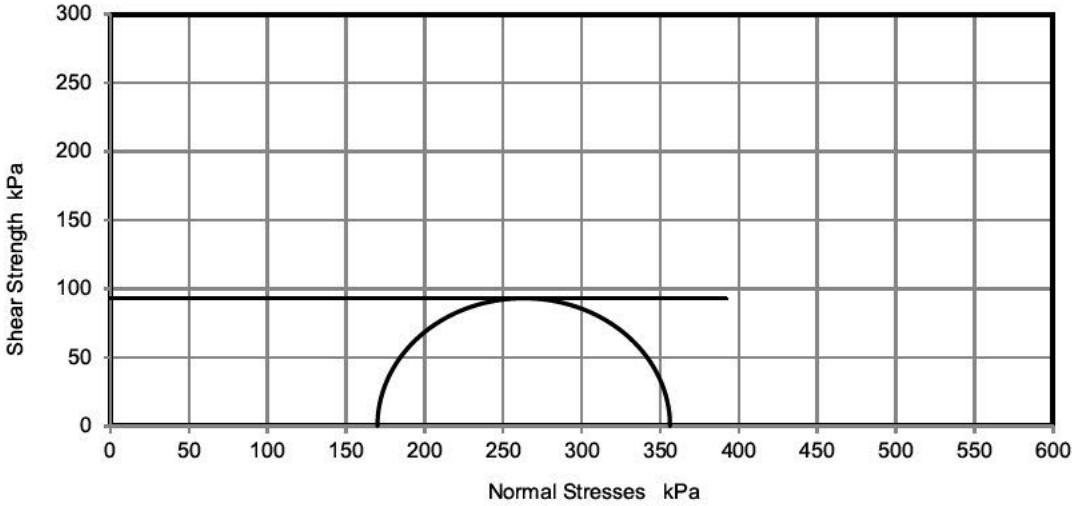
Laboratory Reference:	1139183	Depth Top [m]:	8.50
Hole No.:	BH107	Depth Base [m]:	Not Given
Sample Reference:	U1	Sample Type:	U
Sample Description:	Grey clayey SAND		

Test Number	1		Rate of Strain	2.00	%/min
Length	66.51	mm	Cell Pressure	170	kPa
Diameter	37.71	mm	Axial Strain at failure	13.9	%
Bulk Density	1.77	Mg/m3	Deviator Stress, (σ1 - σ3)f	186	kPa
Moisture Content	33	%	Undrained Shear Strength, cu	93	kPa ½(σ1 - σ3)f
Dry Density	1.33	Mg/m3	Mode of Failure	Compound	
Membrane Correction	1.82	kPa	Membrane thickness	0.24	mm

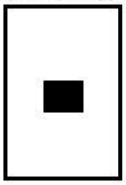
Deviator Stress v Axial Strain



Mohr Circles



Position within sample



Note: Deviator stress corrected for area change and membrane effects. Mohr circles and their interpretation is not covered by BS1377. This is provided for information only.

Remarks: Reissue 1: Replacement for triaxial test 1137743

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
[redacted]
Date Reported: 21/02/2019

Signed: Darren Berrill
Geotechnical General Manager
[redacted]

GF 184.6

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Determination of California Bearing Ratio

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

UKAS TESTING 4041

Tested in Accordance with: BS 1377-4: 1990: Clause 7

Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	3 Henley Office Park, Doddington Road, Lincoln, LN6 3QR	Job Number:	19-26293
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	David Josling	Date Tested:	04/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

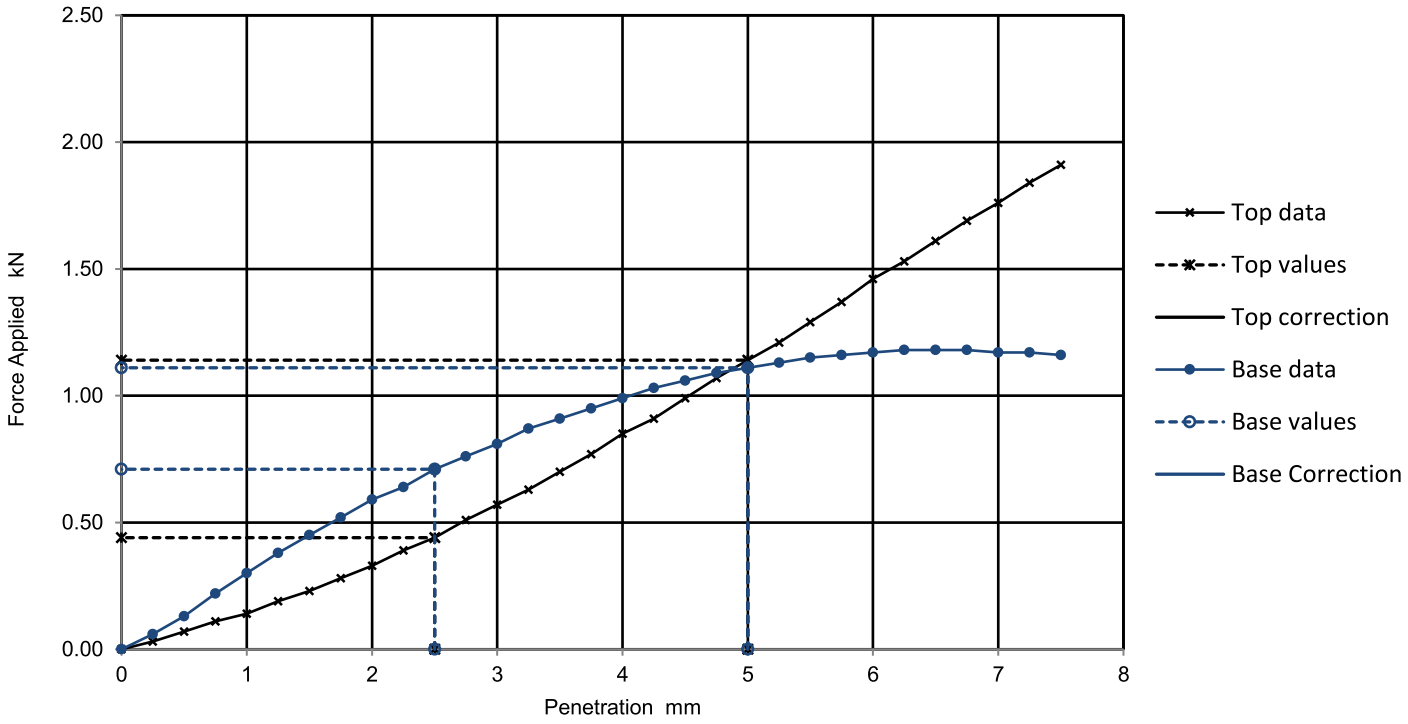
Test Results:

Laboratory Reference:	1140607	Depth Top [m]:	Not Given
Hole No.:	TP121	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Black clayey GRAVEL		

Specimen Preparation:

Condition	Remoulded	Soaking details	
Details	Recompacted with specified standard effort using 2.5kg rammer	Period of soaking	7 days
		Time to surface	3.00 days
		Amount of swell recorded	0.92 mm
Material retained on 20mm sieve removed	14 %	Dry density after soaking	1.63 Mg/m3
Initial Specimen details	Bulk density 1.93 Mg/m3	Surcharge applied	8 kg
	Dry density 1.64 Mg/m3		4.8 kPa
	Moisture content 18 %		

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, %				Moisture Content %
		2.5mm	5mm	Highest	Average	
TOP	No	3.3	5.7	5.7	5.6	19
BASE	No	5.4	5.6	5.6		20

Remarks:

Test/ Specimen specific remarks:

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 18/02/2019

Signed: Darren Berrill

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

California Bearing Ratio Soaked Graph

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

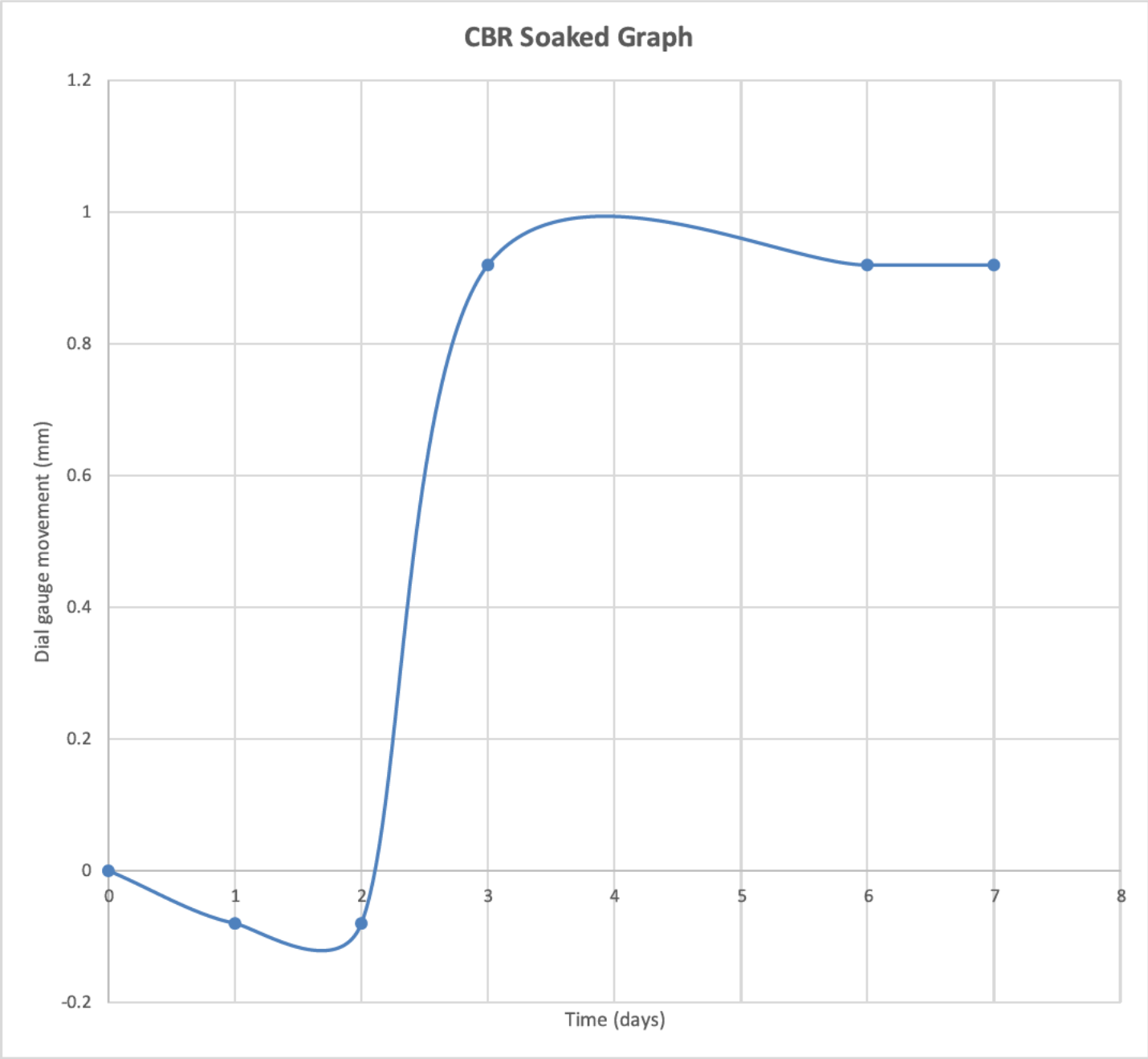
4041

Tested in Accordance with: BS 1377-4: 1990: Clause 7

Client:	Delta-Simons	Client Reference:	17-1080-05
Client Address:	3 Henley Office Park, Doddington Road, Lincoln, LN6 3QR	Job Number:	19-26293
		Date Sampled:	Not Given
		Date Received:	18/01/2019
Contact:	David Josling	Date Tested:	04/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1140607	Depth Top [m]:	Not Given
Hole No.:	TP121	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	B
Sample Description:	Black clayey GRAVEL		



Remarks:

Test/ Specimen specific remarks:

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 18/02/2019

Signed: Darren Berrill
[redacted]

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for and on behalf of i2 Analytical Ltd

Francesca Hammond
Delta-Simons
20 Little Britain
London
EC1A 7DH

t: 02034781168

e: francesca.hammond@deltasimons.com

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

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

Analytical Report Number : 19-26408

Project / Site name:	Eastleigh Works	**Samples received on:**	28/01/2019
Your job number:	17-1080.05	**Samples instructed on:**	28/01/2019
Your order number:		**Analysis completed by:**	01/02/2019
Report Issue Number:	1	**Report issued on:**	01/02/2019
Samples Analysed:	1 soil sample		

[redacted]

td.

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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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 19-26408

Project / Site name: Eastleigh Works

Lab Sample Number				1141192				
Sample Reference				BH107				
Sample Number				None Supplied				
Depth (m)				0.40				
Date Sampled				17/01/2019				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1				
Moisture Content	%	N/A	NONE	25				
Total mass of sample received	kg	0.001	NONE	0.56				
General Inorganics								
Total Sulphate as SO_4	%	0.005	MCERTS	0.151				
Total Sulphur	%	0.005	MCERTS	0.086				

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Analytical Report Number : 19-26408

Project / Site name: Eastleigh Works

* 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 *
1141192	BH107	None Supplied	0.40	Black clay and sand with gravel.

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Analytical Report Number : 19-26408

Project / Site name: Eastleigh Works

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	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.	L019-UK/PL	D	NONE
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L038	D	MCERTS
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 based on BS1377 Part 3, 1990, and MEWAM 2006 Methods for the Determination of Metals in Soil	L038	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

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The results included within the report are representative of the samples submitted for analysis.

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

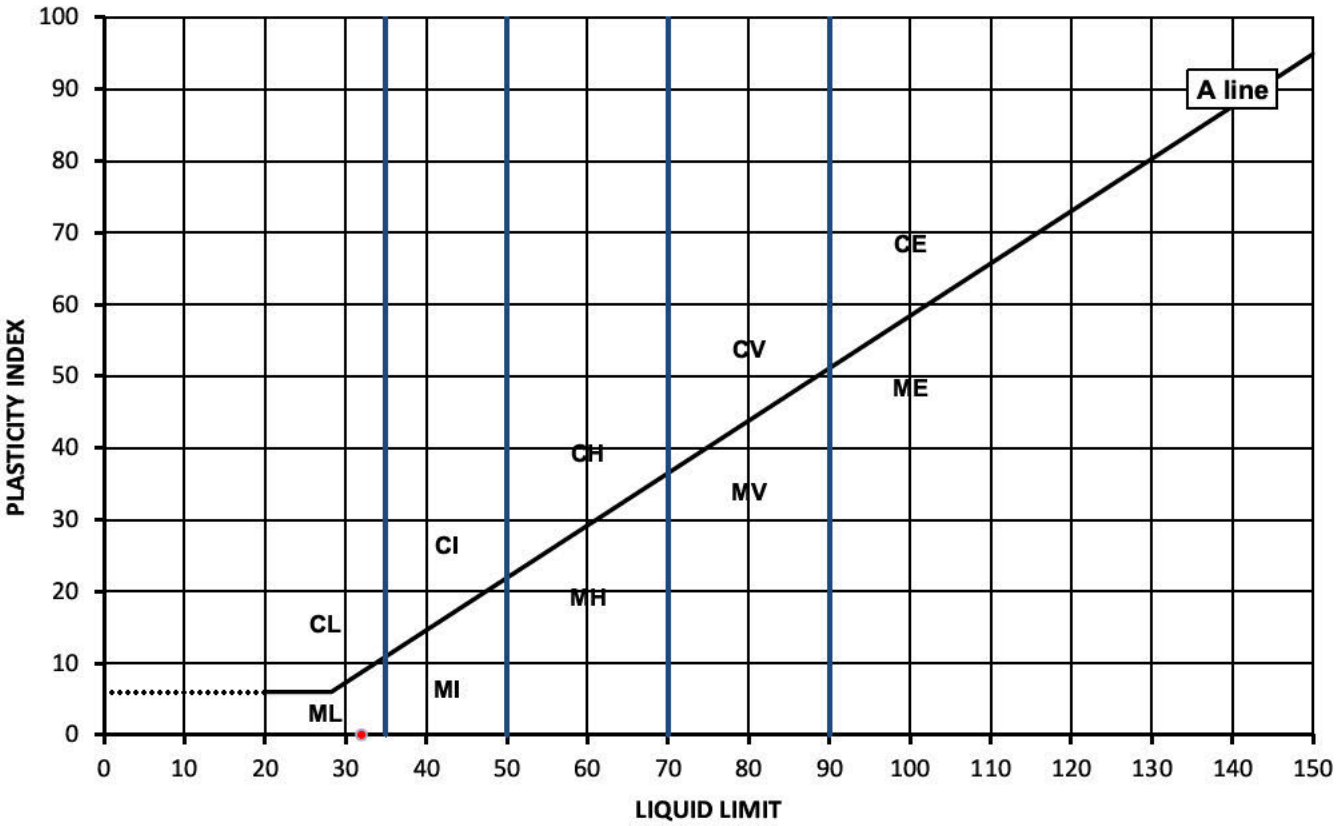
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-27042
		Date Sampled:	29/01/2019
		Date Received:	27/01/2019
Contact:	Francesca Hammond	Date Tested:	16/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1144810	Depth Top [m]:	Not Given
Hole No.:	TT1	Depth Base [m]:	Not Given
Sample Reference:	ES1	Sample Type:	B
Soil Description:	Dark brown slightly clayey slightly silty sandy GRAVEL		
Sample Preparation:	Tested after washing to remove >425um		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
17	32	NP	NP.	29



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: NP – non plastic
Sample tested under Red Lab condition; Re-issue 2: Hole No. amended

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 27/02/2019

Signed: Darren Berrill
Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

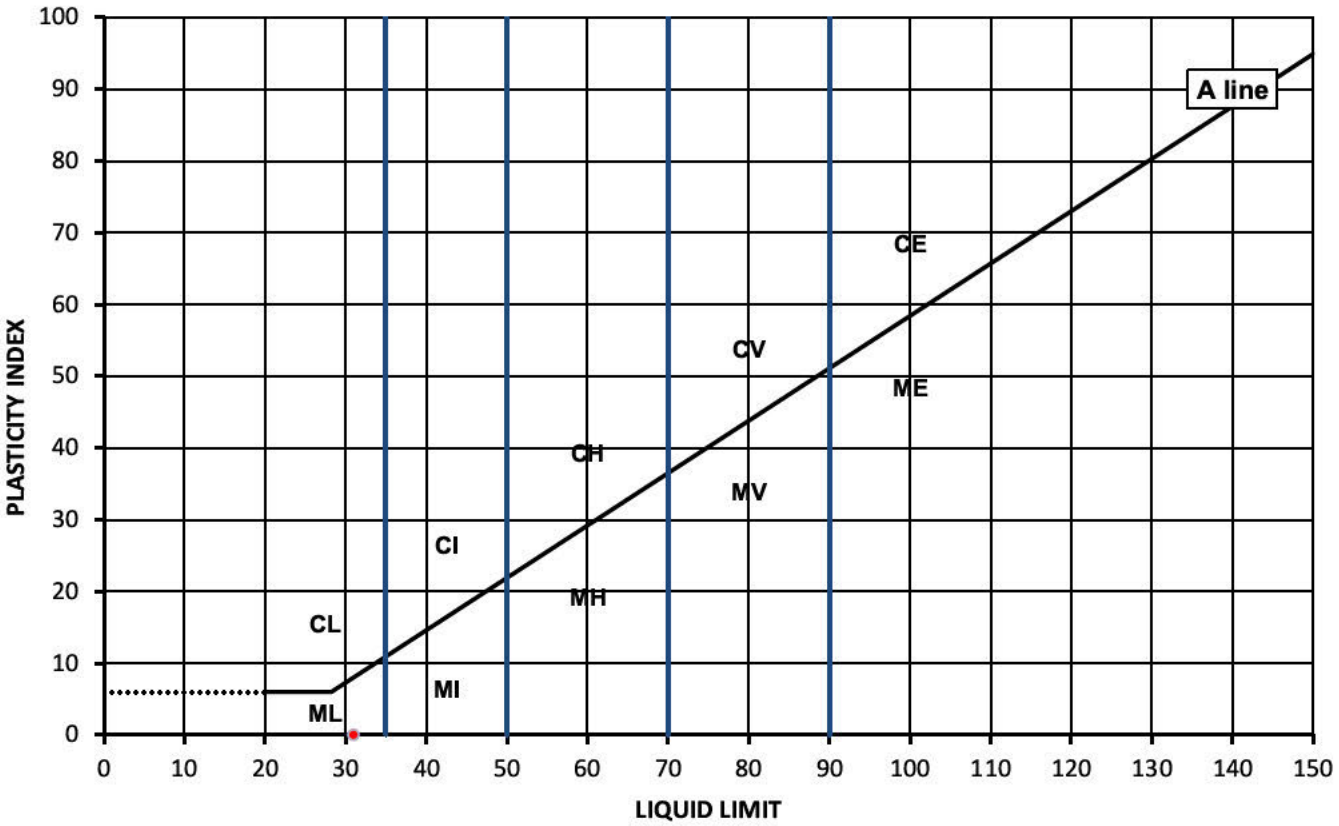
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-27042
		Date Sampled:	29/01/2019
		Date Received:	27/01/2019
Contact:	Francesca Hammond	Date Tested:	16/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1144811	Depth Top [m]:	Not Given
Hole No.:	TT2	Depth Base [m]:	Not Given
Sample Reference:	ES1	Sample Type:	B
Soil Description:	Dark brown slightly clayey silty very sandy GRAVEL with cobbles		
Sample Preparation:	Tested after washing to remove >425um		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
15	31	NP	NP.	35



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: NP – non plastic
Sample tested under Red Lab condition; Re-issue 2: Hole No. amended

[redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 27/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

GF 236.3

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The analysis was carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland."

for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

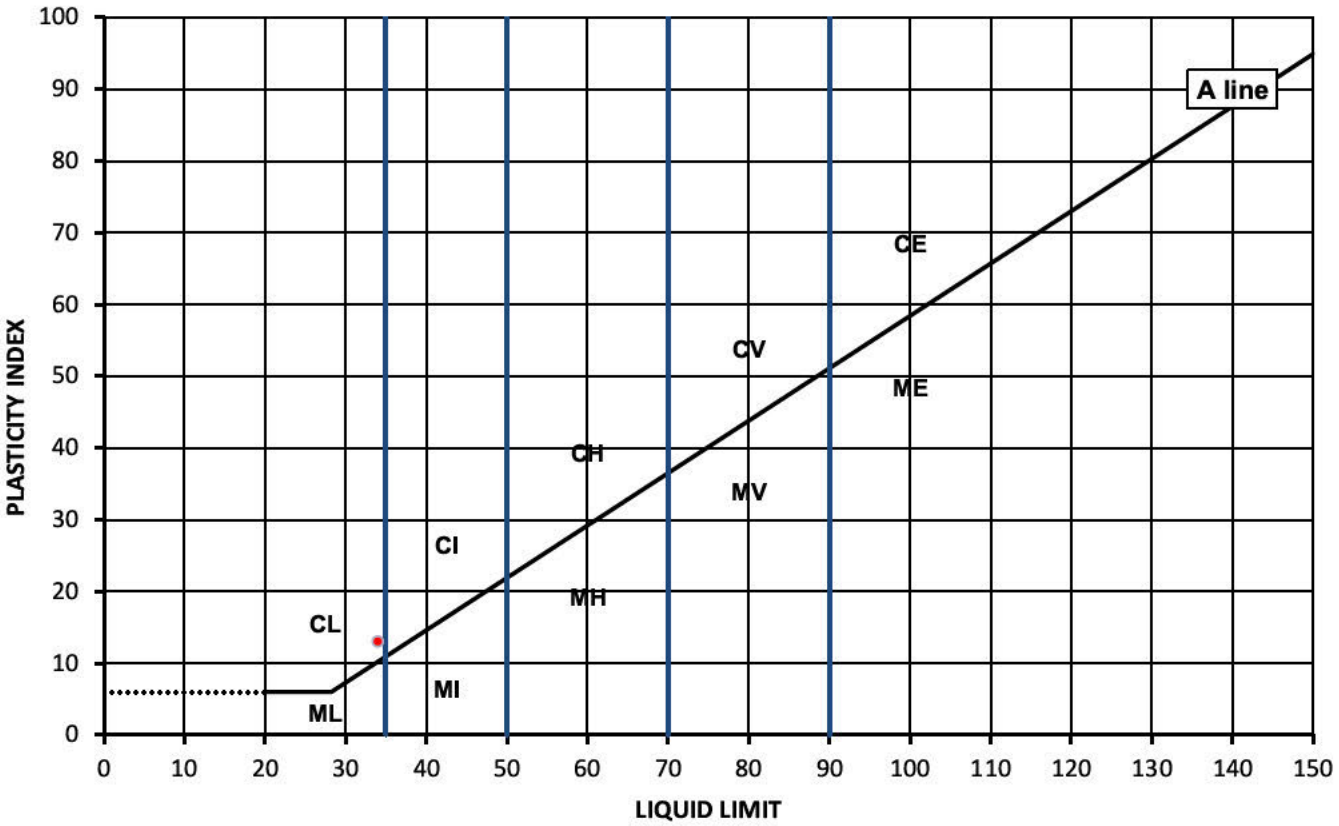
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-27042
		Date Sampled:	29/01/2019
		Date Received:	27/01/2019
Contact:	Francesca Hammond	Date Tested:	16/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1144812	Depth Top [m]:	Not Given
Hole No.:	TT2	Depth Base [m]:	Not Given
Sample Reference:	ES2	Sample Type:	B
Soil Description:	Dark brown clayey very sandy GRAVEL		
Sample Preparation:	Tested after washing to remove >425um		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
13	34	21	13	27



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Sample tested under Red Lab condition
Re-issue 2: Hole No. amended

Approved: Dariusz Piotrowski
[redacted] Geotechnical Laboratory Manager
[redacted] **Date Reported:** 27/02/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

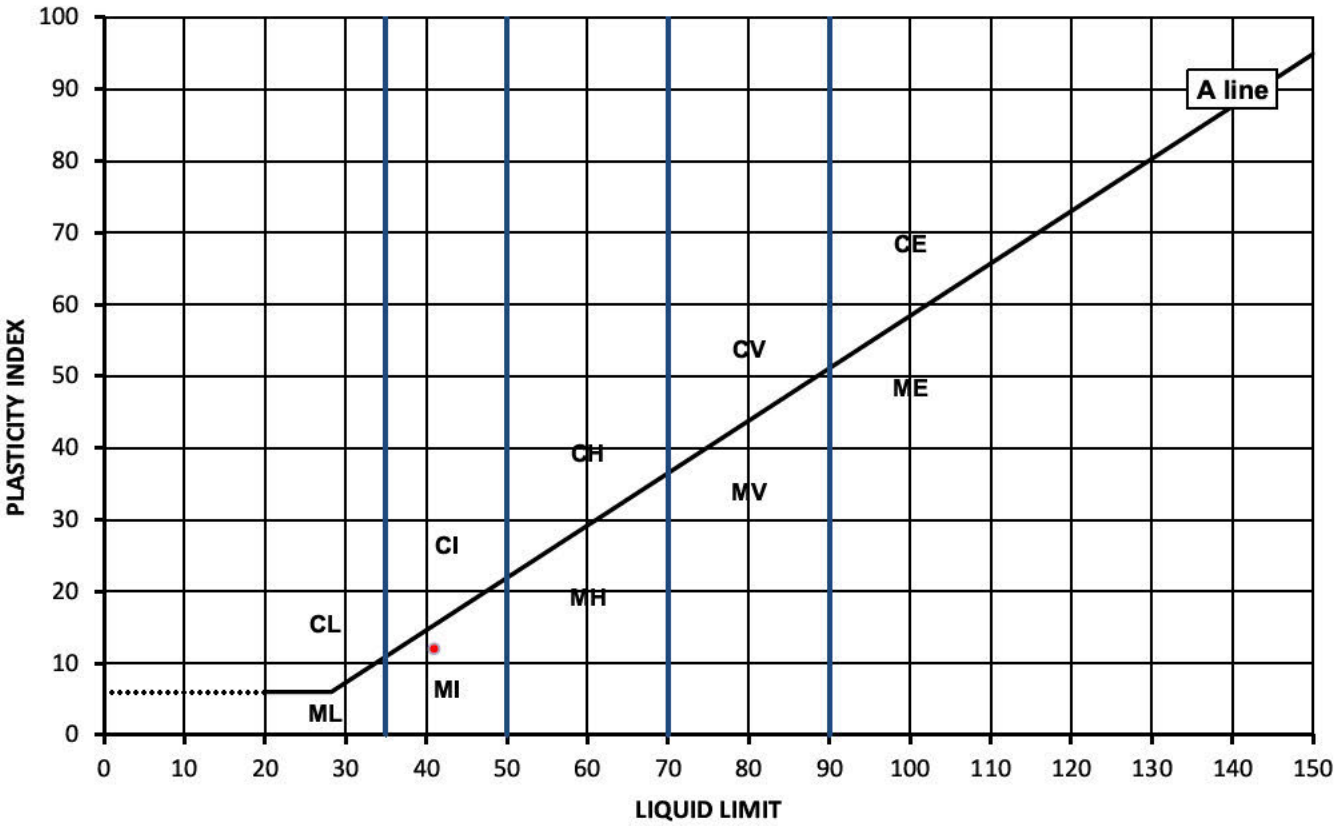
Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-27042
		Date Sampled:	29/01/2019
		Date Received:	27/01/2019
Contact:	Francesca Hammond	Date Tested:	18/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1144813	Depth Top [m]:	Not Given
Hole No.:	TT3	Depth Base [m]:	Not Given
Sample Reference:	ES1	Sample Type:	B
Soil Description:	Dark brown sandy gravelly CLAY		

Sample Preparation: Tested after washing to remove >425um

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
27	41	29	12	39



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: Sample tested under Red Lab condition
Re-issue 2: Hole No. amended

[redacted] Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 27/02/2019

Signed: [redacted] Darren Berrill
Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Liquid and Plastic Limits

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

4041

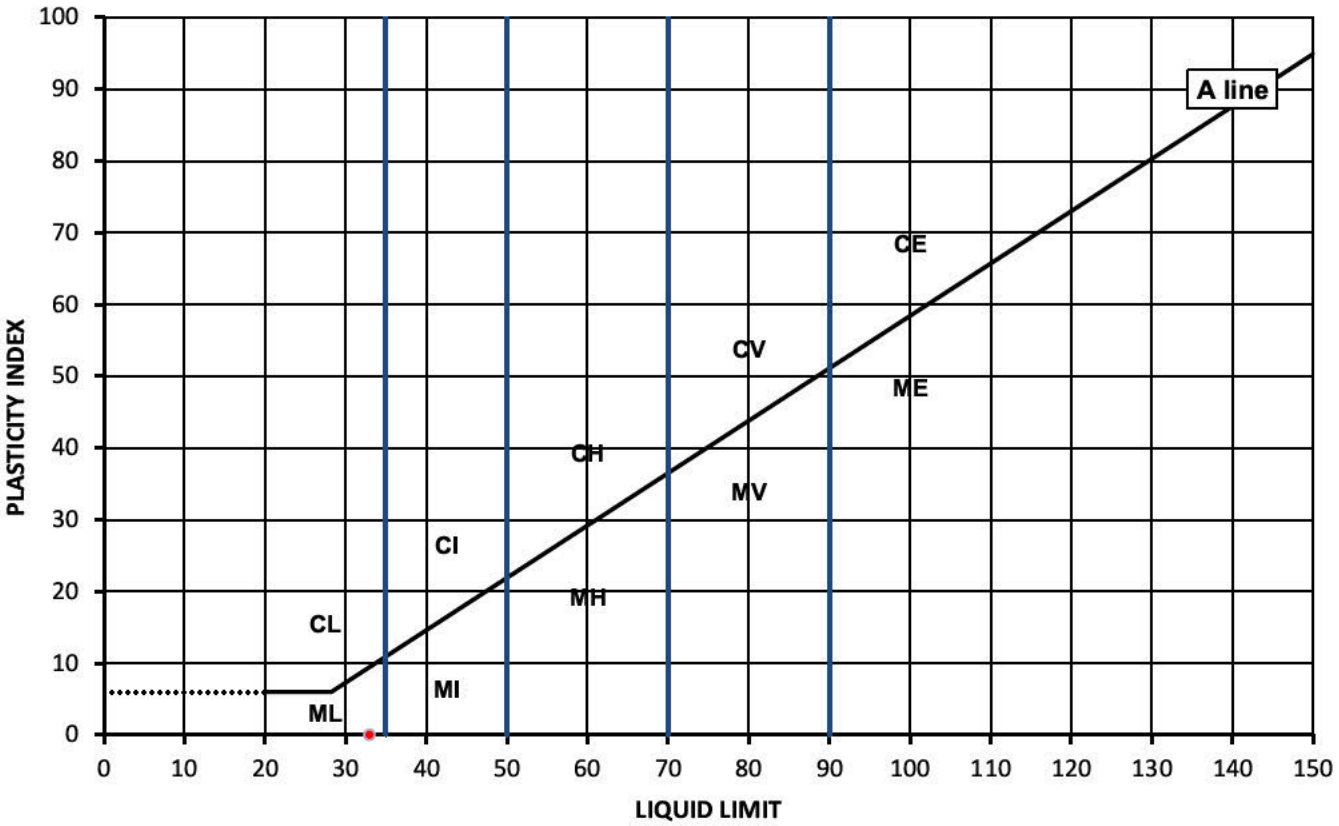
Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-27042
		Date Sampled:	29/01/2019
		Date Received:	27/01/2019
Contact:	Francesca Hammond	Date Tested:	16/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results

Laboratory Reference:	1144814	Depth Top [m]:	Not Given
Hole No.:	TT3	Depth Base [m]:	Not Given
Sample Reference:	ES1	Sample Type:	B
Soil Description:	Dark brown slightly clayey slightly silty sandy GRAVEL with cobbles		
Sample Preparation:	Tested after washing to remove >425um		

As Received Moisture Content [%]	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index [%]	% Passing 425µm BS Test Sieve
15	33	NP	NP.	26



Legend, based on BS 5930:2015 Code of practice for site investigations

		Plasticity		Liquid Limit
C	Clay	L	Low	below 35
M	Silt	I	Medium	35 to 50
		H	High	50 to 70
		V	Very high	70 to 90
		E	Extremely high	exceeding 90
	Organic	O	append to classification for organic material (eg CHO)	

Remarks: NP – non plastic
Sample tested under Red Lab condition; Re-issue 2: Hole No. amended

Approved: Dariusz Piotrowski
[redacted]PL Geotechnical Laboratory Manager
Date Reported: 27/02/2019

Signed: Darren Berrill
[redacted] Geotechnical General Manager

GF 236.3

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for and on behalf of i2 Analytical Ltd

SUMMARY REPORT

Summary of Classification Test Results

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

4041

Tested in Accordance with:

MC by BS 1377-2: 1990: Clause 3.2; Atterberg by BS 1377-2: 1990: Clause 4.3, Clause 4.4 and 5; PD by BS 1377-2: 1990: Clause 8.2

Client: Delta-Simons

Client Address: 20 Little Britain, London, EC1A 7DH

Contact: Francesca Hammond

Site Name: Eastleigh Works, Eastleigh

Site Address: Not Given

Client Reference: 17-1080.05

Job Number: 19-27042

Date Sampled: 29/01/2019

Date Received: 27/01/2019

Date Tested: 16/02 - 18/02/2019

Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	MC#	Atterberg#				Density		Total Porosity				
		Reference	Depth Top	Depth Base	Type				% Passing 425um	LL	PL	PI	bulk	PD					
			m	m				%	%	%	%	%	Mg/m3	Mg/m3	%				
1144810	TT1	ES1	0.00	Not Given	B	Dark brown slightly clayey slightly silty sandy GRAVEL	Atterberg 4 Point	17	29	32	NP	NP.							
1144811	TT2	ES1	0.00	Not Given	B	Dark brown slightly clayey silty very sandy GRAVEL with cobbles	Atterberg 4 Point	15	35	31	NP	NP.							
1144812	TT2	ES2	0.00	Not Given	B	Dark brown clayey very sandy GRAVEL	Atterberg 4 Point	13	27	34	21	13							
1144813	TT3	ES1	0.00	Not Given	B	Dark brown sandy gravelly CLAY	Atterberg 4 Point	27	39	41	29	12							
1144814	TT3	ES1	0.00	Not Given	B	Dark brown slightly clayey slightly silty sandy GRAVEL with cobbles	Atterberg 4 Point	15	26	33	NP	NP.							

Note: # UKAS accredited; NP - Non plastic

Comments: Sample tested under Red Lab condition
Re-issue 2: Hole No. amended

Approved: [redacted]
Dariusz Piotrowski
PL Geotechnical Laboratory Manager

Date Reported: 27/02/2019

Signed: [redacted]
Darren Berrill
Geotechnical General Manager

GF 238.5

for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

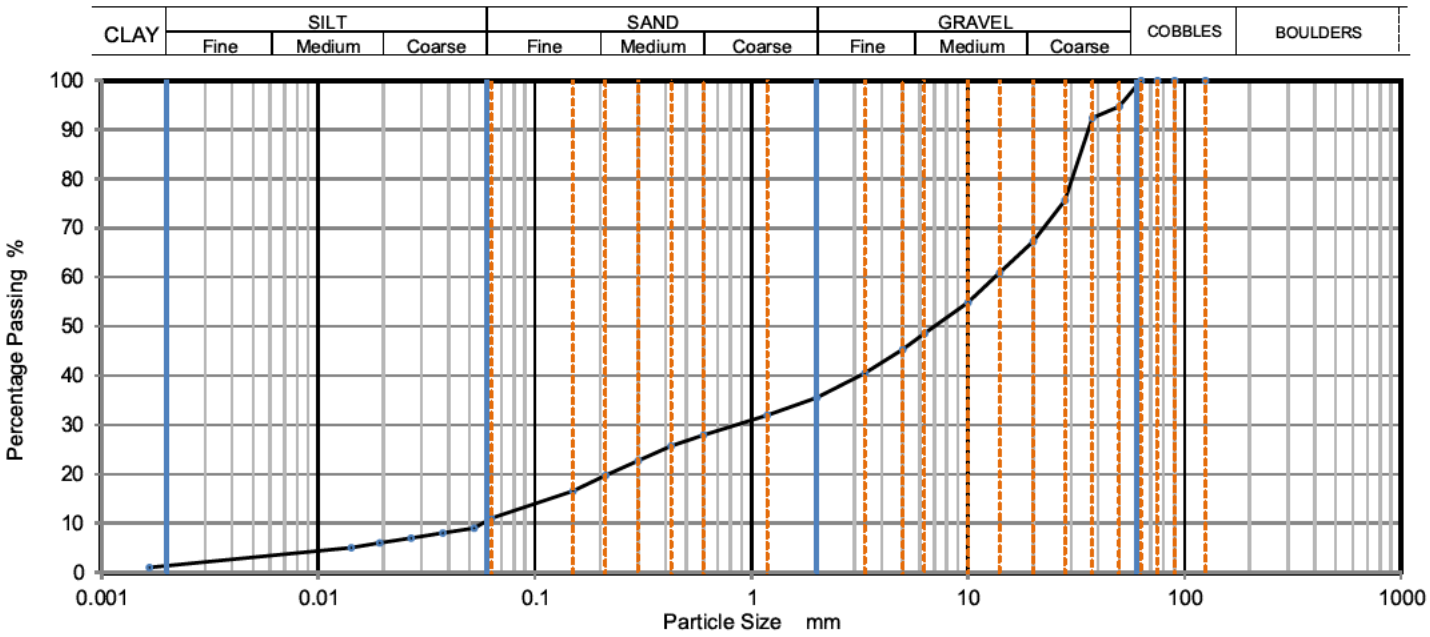
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-27042
		Date Sampled:	29/01/2019
		Date Received:	27/01/2019
Contact:	Francesca Hammond	Date Tested:	16/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1144810	Depth Top [m]:	Not Given
Hole No.:	TT1	Depth Base [m]:	Not Given
Sample Reference:	ES1	Sample Type:	B
Sample Description:	Dark brown slightly clayey slightly silty sandy GRAVEL		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	11
90	100	0.0524	9
75	100	0.0375	8
63	100	0.0268	7
50	95	0.0192	6
37.5	92	0.0142	5
28	76	0.0017	1
20	67		
14	61		
10	55		
6.3	49		
5	45		
3.35	41		
2	36		
1.18	32		
0.6	28	Particle density	(assumed)
0.425	26	2.65	Mg/m3
0.3	23		
0.212	20		
0.15	17		
0.063	11		

Dry Mass of sample [g]: 3805

Sample Proportions	% dry mass
Very coarse	0.00
Gravel	64.50
Sand	24.90
Silt	9.10
Clay	1.50

Grading Analysis		
D100	mm	63
D60	mm	13.3
D30	mm	0.86
D10	mm	0.0572
Uniformity Coefficient		230
Curvature Coefficient		0.97

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS1377 Part 2 Table 3
Sample tested under Red Lab condition; Re-issue 2: Hole No. amended

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 27/02/2019

Signed: Darren Berrill

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

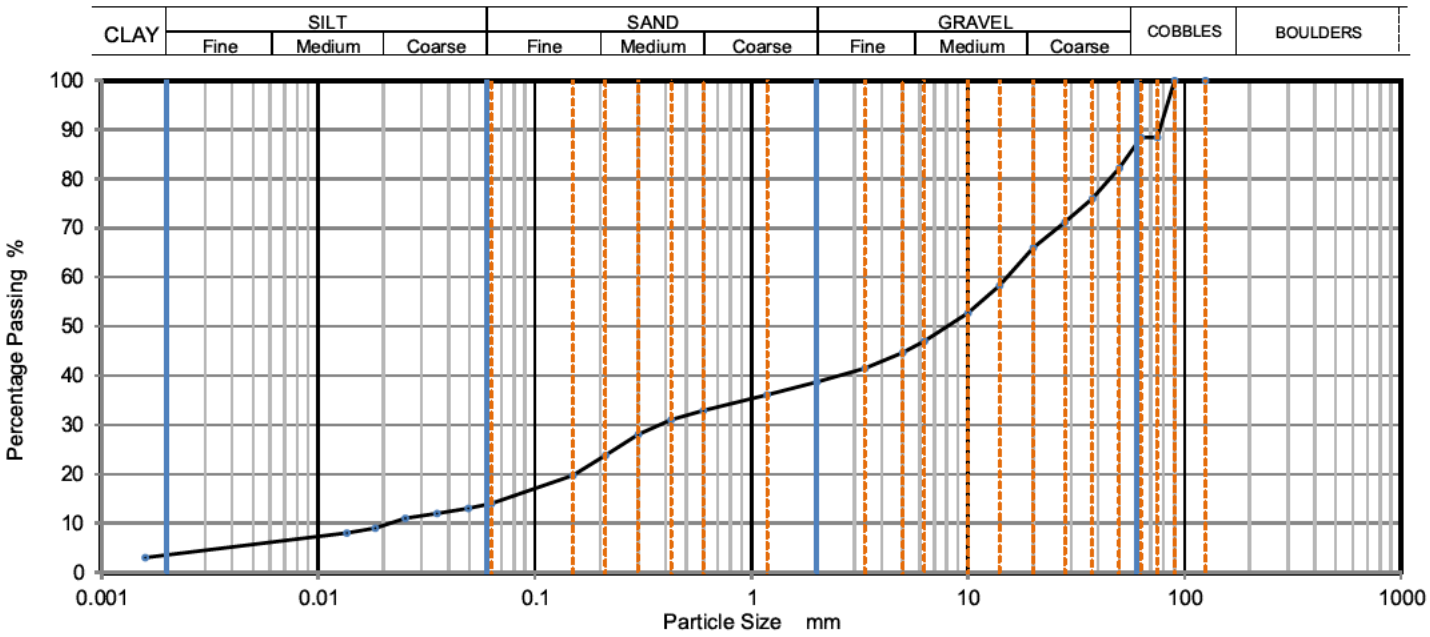
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-27042
		Date Sampled:	29/01/2019
		Date Received:	27/01/2019
Contact:	Francesca Hammond	Date Tested:	16/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1144811	Depth Top [m]:	Not Given
Hole No.:	TT2	Depth Base [m]:	Not Given
Sample Reference:	ES1	Sample Type:	B
Sample Description:	Dark brown slightly clayey silty very sandy GRAVEL with cobbles		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	14
90	100	0.0492	13
75	88	0.0352	12
63	88	0.0252	11
50	82	0.0183	9
37.5	76	0.0135	8
28	71	0.0016	3
20	66		
14	58		
10	53		
6.3	47		
5	45		
3.35	42		
2	39		
1.18	36		
0.6	33	Particle density	(assumed)
0.425	31	2.65	Mg/m3
0.3	28		
0.212	24		
0.15	20		
0.063	14		

Dry Mass of sample [g]: 7265

Sample Proportions	% dry mass
Very coarse	11.60
Gravel	49.80
Sand	25.10
Silt	10.10
Clay	3.40

Grading Analysis		
D100	mm	90
D60	mm	15.1
D30	mm	0.38
D10	mm	0.0228
Uniformity Coefficient		660
Curvature Coefficient		0.42

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS1377 Part 2 Table 3
Sample tested under Red Lab condition; Re-issue 2: Hole No. amended

Approved: Dariusz Piotrowski
[redacted]
PL Geotechnical Laboratory Manager
Date Reported: 27/02/2019

Signed: Darren Berrill
[redacted]
GP 100.10

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for and on behalf of i2 Analytical Ltd

TEST CERTIFICATE

Particle Size Distribution

Tested in Accordance with: BS 1377-2: 1990

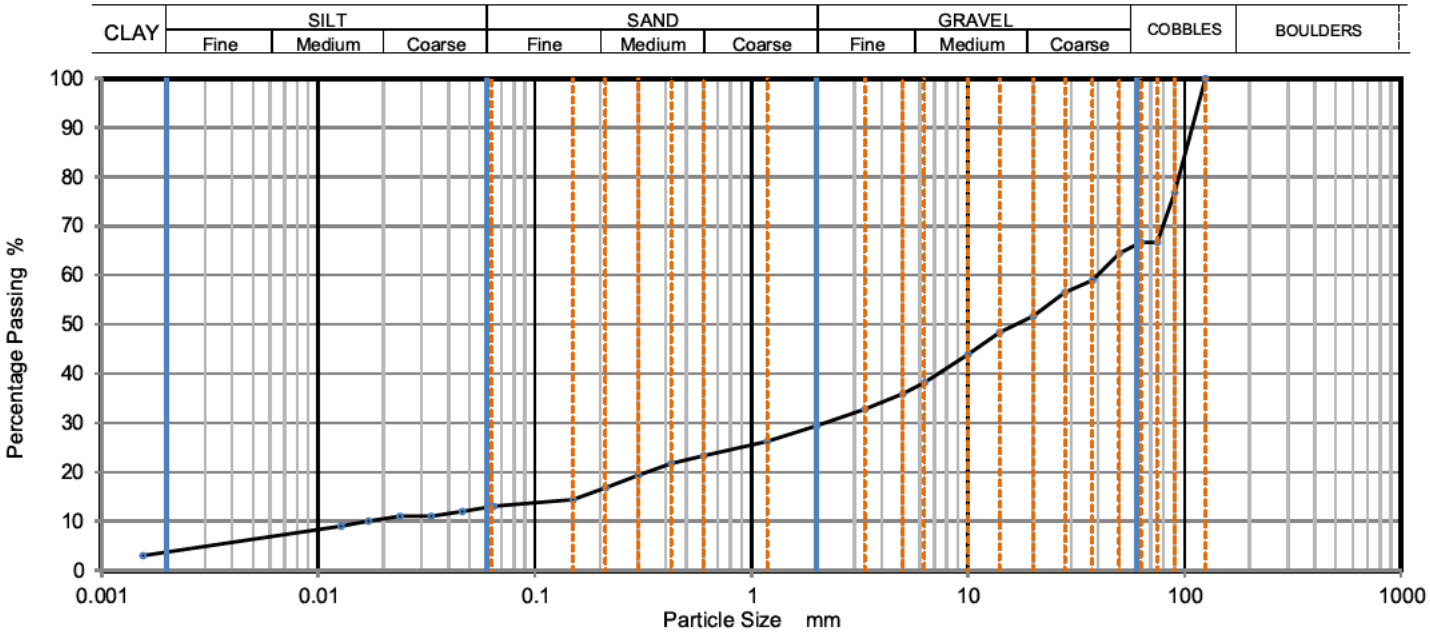
i2 Analytical Ltd
7 Woodshots Meadow
Croxley Green Business Park
Watford Herts WD18 8YS

UKAS TESTING 4041

Client:	Delta-Simons	Client Reference:	17-1080.05
Client Address:	20 Little Britain, London, EC1A 7DH	Job Number:	19-27042
		Date Sampled:	29/01/2019
		Date Received:	27/01/2019
Contact:	Francesca Hammond	Date Tested:	16/02/2019
Site Name:	Eastleigh Works, Eastleigh	Sampled By:	Not Given
Site Address:	Not Given		

Test Results:

Laboratory Reference:	1144814	Depth Top [m]:	Not Given
Hole No.:	TT3	Depth Base [m]:	Not Given
Sample Reference:	ES1	Sample Type:	B
Sample Description:	Dark brown slightly clayey slightly silty sandy GRAVEL with cobbles		



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0644	13
90	77	0.0462	12
75	67	0.0332	11
63	67	0.0238	11
50	64	0.0171	10
37.5	59	0.0127	9
28	57	0.0015	3
20	52		
14	48		
10	44		
6.3	38		
5	36		
3.35	33		
2	29		
1.18	26		
0.6	23	Particle density	(assumed)
0.425	22	2.65	Mg/m3
0.3	19		
0.212	17		
0.15	14		
0.063	13		

Dry Mass of sample [g]: 6661

Sample Proportions	% dry mass
Very coarse	33.30
Gravel	37.40
Sand	16.80
Silt	8.70
Clay	3.80

Grading Analysis		
D100	mm	125
D60	mm	39.6
D30	mm	2.2
D10	mm	0.0188
Uniformity Coefficient		2100
Curvature Coefficient		6.5

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks: The material submitted - fails to meet the minimum mass requirements as stated in BS1377 Part 2 Table 3
Sample tested under Red Lab condition; Re-issue 2: Hole No. amended

Approved: Dariusz Piotrowski
PL Geotechnical Laboratory Manager
Date Reported: 27/02/2019

Signed: Darren Berrill

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for and on behalf of i2 Analytical Ltd

Appendix D - Soil Chemical Analysis Results

Francesca Hammond
Delta-Simons
20 Little Britain
London
EC1A 7DH

t: 02034781168

e: francesca.hammond@deltasimons.com

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

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

Analytical Report Number : 18-23108

Project / Site name:	Eastleigh	**Samples received on:**	18/12/2018
Your job number:	17-1080.05	**Samples instructed on:**	20/12/2018
Your order number:	DS43181	**Analysis completed by:**	02/01/2019
Report Issue Number:	1	**Report issued on:**	02/01/2019
Samples Analysed:	5 soil samples		

[redacted]

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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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 18-23108

Project / Site name: Eastleigh
Your Order No: DS43181

Lab Sample Number				1119815	1119816	1119817	1119818	1119819
Sample Reference				HP/DS103	BH101	HP105	HP/DS102	HP/DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.50	0.30	2.50	1.00
Date Sampled				17/12/2018	17/12/2018	17/12/2018	17/12/2018	17/12/2018
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	%	N/A	NONE	21	17	27	13	19
Total mass of sample received	kg	0.001	NONE	0.94	1.0	1.0	1.2	1.2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Crocidolite - Loose Fibres	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	6.1	7.8	9.6	7.6	7.4
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	140	290	290	67	120
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.071	0.15	0.14	0.033	0.060
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	71.2	147	144	33.4	60.2
Organic Matter	%	0.1	MCERTS	9.5	1.7	9.4	0.5	1.1
Total Organic Carbon (TOC)	%	0.1	MCERTS	-	1.0	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	3.9	0.79	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	2.3	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	3.8	0.53	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	53	7.2	0.90	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	11	2.4	0.26	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	82	12	3.4	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	67	9.6	2.8	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	46	6.4	1.3	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	36	5.2	1.6	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	43	5.0	2.0	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	16	3.4	1.1	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	38	4.8	1.7	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	21	2.7	1.2	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	6.4	1.1	0.32	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	24	2.8	1.3	< 0.05	< 0.05
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	455	63.9	17.9	< 0.80	< 0.80

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Analytical Report Number: 18-23108

Project / Site name: Eastleigh
Your Order No: DS43181

Lab Sample Number				1119815	1119816	1119817	1119818	1119819
Sample Reference				HP/DS103	BH101	HP105	HP/DS102	HP/DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.50	0.30	2.50	1.00
Date Sampled				17/12/2018	17/12/2018	17/12/2018	17/12/2018	17/12/2018
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	62	7.2	9.6	9.9	6.7
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	8.6	< 0.2	1.7	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	35	23	57	27	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	470	41	160	14	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	1900	56	480	12	23
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	54	21	25	27	15
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	500	67	920	53	41
Monoaromatics								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	2.3	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	35	< 8.0	100	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	43	< 10	100	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	35	3.4	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	380	36	10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	740	66	61	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	1200	110	71	< 10	< 10

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Analytical Report Number: 18-23108

Project / Site name: Eastleigh
Your Order No: DS43181

Lab Sample Number				1119815	1119816	1119817	1119818	1119819
Sample Reference				HP/DS103	BH101	HP105	HP/DS102	HP/DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.50	0.30	2.50	1.00
Date Sampled				17/12/2018	17/12/2018	17/12/2018	17/12/2018	17/12/2018
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Chloroethane	mg/kg	0.001	NONE	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Bromomethane	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Vinyl Chloride	mg/kg	0.001	NONE	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichlorofluoromethane	mg/kg	0.001	NONE	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1-Dichloroethene	mg/kg	0.001	NONE	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1-Dichloroethane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
2,2-Dichloropropane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloromethane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2-Dichloroethane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1-Dichloropropene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Benzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloromethane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2-Dichloropropane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trichloroethene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Dibromomethane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Bromodichloromethane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Toluene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Dibromochloromethane	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tetrachloroethene	mg/kg	0.001	NONE	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Chlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
p & m-Xylene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Styrene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tribromomethane	mg/kg	0.001	NONE	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
o-Xylene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Isopropylbenzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Bromobenzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
n-Propylbenzene	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
2-Chlorotoluene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
4-Chlorotoluene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
tert-Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
sec-Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Hexachlorobutadiene	mg/kg	0.001	MCERTS	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010

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Analytical Report Number: 18-23108

Project / Site name: Eastleigh
Your Order No: DS43181

Lab Sample Number				1119815	1119816	1119817	1119818	1119819
Sample Reference				HP/DS103	BH101	HP105	HP/DS102	HP/DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.50	0.30	2.50	1.00
Date Sampled				17/12/2018	17/12/2018	17/12/2018	17/12/2018	17/12/2018
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenol	mg/kg	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Isophorone	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	mg/kg	0.05	MCERTS	3.9	0.79	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	2.3	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	2.7	< 0.2	< 0.2	< 0.2	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Fluorene	mg/kg	0.05	MCERTS	3.8	0.53	< 0.05	< 0.05	< 0.05
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Phenanthrene	mg/kg	0.05	MCERTS	53	7.2	0.90	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	11	2.4	0.26	< 0.05	< 0.05
Carbazole	mg/kg	0.3	MCERTS	2.4	0.4	< 0.3	< 0.3	< 0.3
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Anthraquinone	mg/kg	0.3	MCERTS	6.8	0.5	< 0.3	< 0.3	< 0.3
Fluoranthene	mg/kg	0.05	MCERTS	82	12	3.4	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	67	9.6	2.8	< 0.05	< 0.05
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	46	6.4	1.3	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	36	5.2	1.6	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	43	5.0	2.0	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	16	3.4	1.1	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	38	4.8	1.7	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	21	2.7	1.2	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	6.4	1.1	0.32	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	24	2.8	1.3	< 0.05	< 0.05

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Analytical Report Number : 18-23108

Project / Site name: Eastleigh

* 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 *
1119815	HP/DS103	None Supplied	0.30	Black loam and clay with clinker and brick.
1119816	BH101	None Supplied	0.50	Brown clay and sand.
1119817	HP105	None Supplied	0.30	Brown clay and loam with gravel.
1119818	HP/DS102	None Supplied	2.50	Brown clay and sand with gravel.
1119819	HP/DS101	None Supplied	1.00	Brown clay.

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Project / Site name: Eastleigh

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L009-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	D	MCERTS
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
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.	In-house method based on USEPA 8270	L064-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
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 based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L009-PL	D	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

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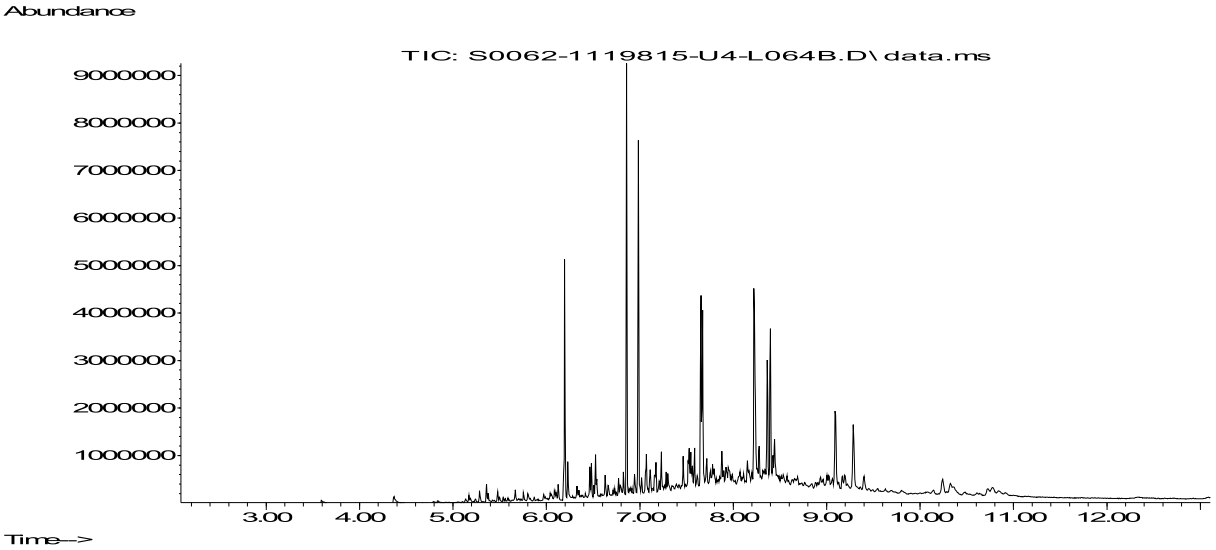
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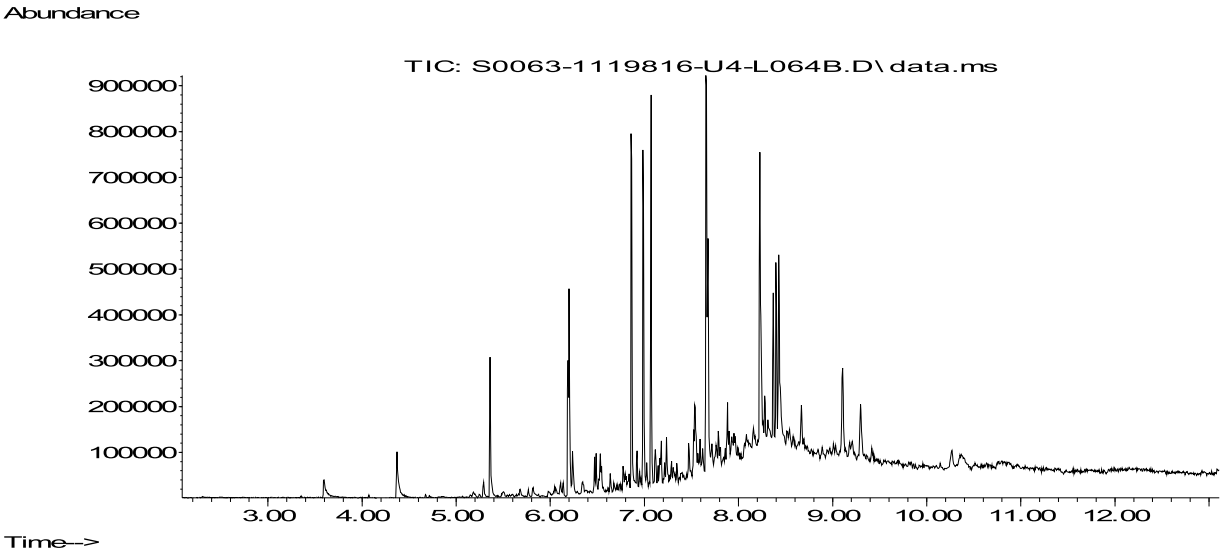
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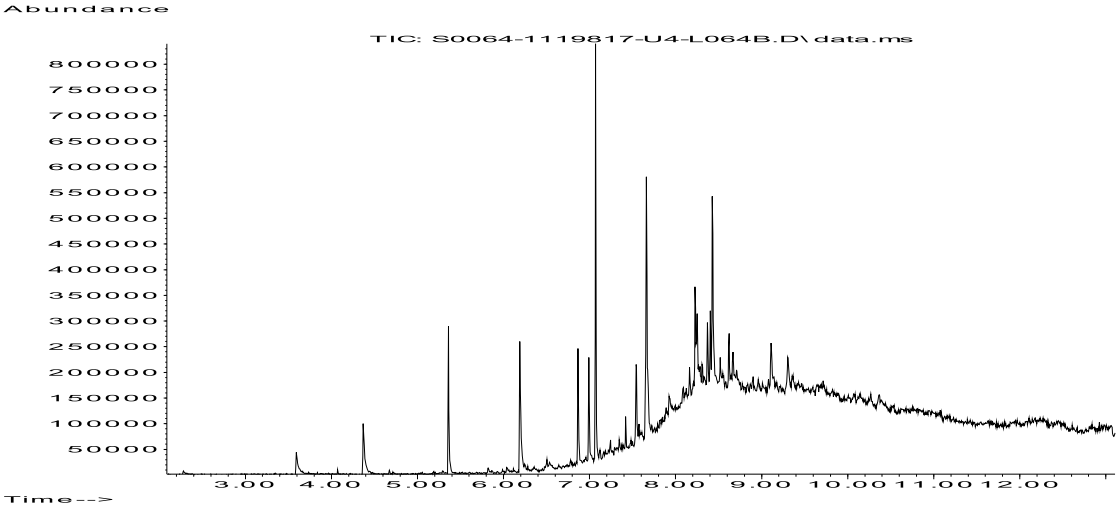
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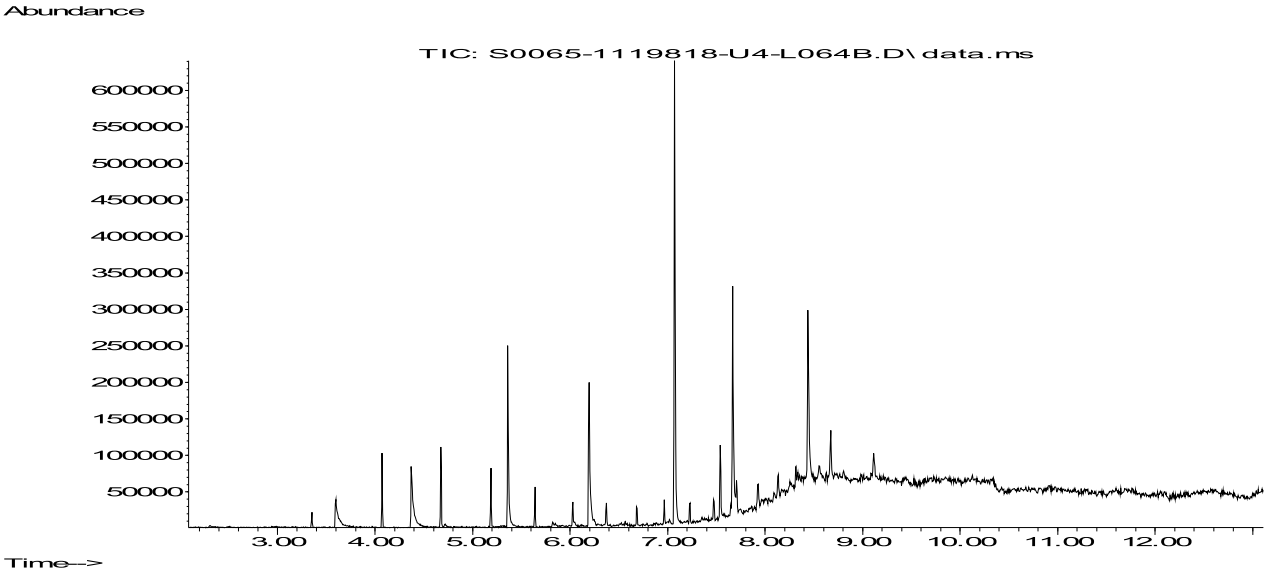
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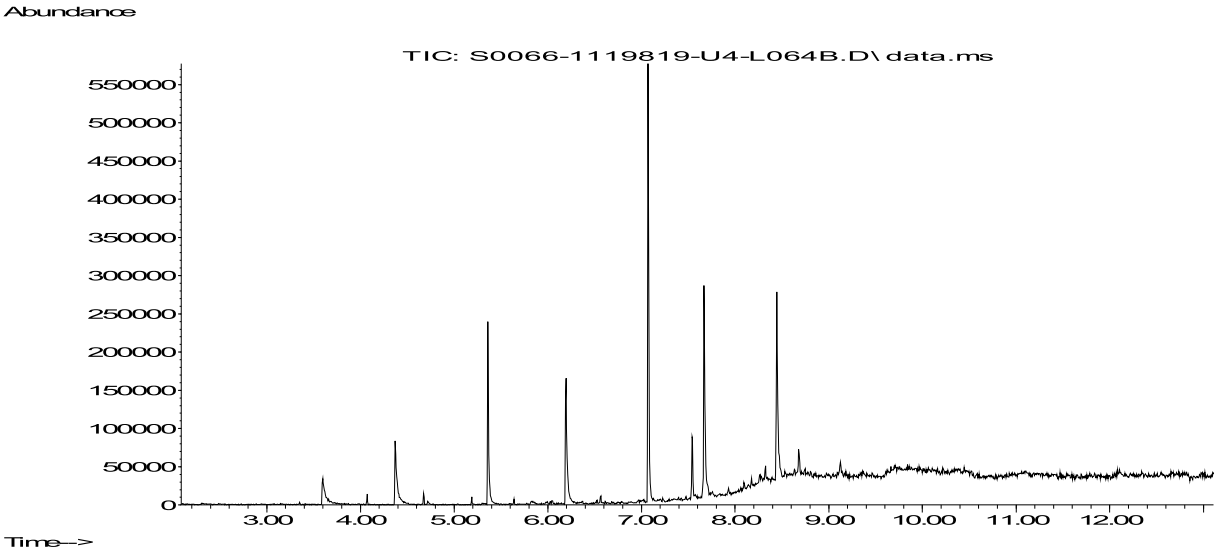
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Analytical Report Number : 18-23480

Project / Site name:	Eastleigh	**Samples received on:**	20/12/2018
Your job number:	17-1080.05	**Samples instructed on:**	20/12/2018
Your order number:	DS43181	**Analysis completed by:**	03/01/2019
Report Issue Number:	1	**Report issued on:**	03/01/2019
Samples Analysed:	1 soil sample		

[redacted]

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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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 18-23480

Project / Site name: Eastleigh
Your Order No: DS43181

Lab Sample Number				1122441				
Sample Reference				BH102				
Sample Number				None Supplied				
Depth (m)				0.20				
Date Sampled				19/12/2018				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1				
Moisture Content	%	N/A	NONE	19				
Total mass of sample received	kg	0.001	NONE	1.0				
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected				
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.8				
Water Soluble SO4 (2:1 Leach. Equiv.) 1hr extraction	g/l	0.00125	MCERTS	0.43				
Water Soluble SO4 (2:1 Leach. Equiv.) 1hr extraction	mg/kg	2.5	MCERTS	870				
Water Soluble SO4 (2:1 Leach. Equiv.) 1hr extraction	mg/l	1.25	MCERTS	434				
Organic Matter	%	0.1	MCERTS	22				
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	0.53				
Anthracene	mg/kg	0.05	MCERTS	< 0.05				
Fluoranthene	mg/kg	0.05	MCERTS	1.3				
Pyrene	mg/kg	0.05	MCERTS	1.3				
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.80				
Chrysene	mg/kg	0.05	MCERTS	0.88				
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.96				
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.40				
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.63				
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	MCERTS	6.80				

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Analytical Report Number: 18-23480

Project / Site name: Eastleigh
Your Order No: DS43181

Lab Sample Number				1122441				
Sample Reference				BH102				
Sample Number				None Supplied				
Depth (m)				0.20				
Date Sampled				19/12/2018				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	24				
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2				
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2				
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	22				
Copper (aqua regia extractable)	mg/kg	1	MCERTS	370				
Lead (aqua regia extractable)	mg/kg	1	MCERTS	310				
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3				
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	49				
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	130				
Monoaromatics								
Benzene	mg/kg	0.001	MCERTS	< 0.001				
Toluene	mg/kg	0.001	MCERTS	< 0.001				
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001				
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001				
o-xylene	mg/kg	0.001	MCERTS	< 0.001				
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001				
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0				
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0				
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0				
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0				
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10				
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0				
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0				
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10				
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10				
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10				

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Analytical Report Number: 18-23480

Project / Site name: Eastleigh
Your Order No: DS43181

Lab Sample Number				1122441				
Sample Reference				BH102				
Sample Number				None Supplied				
Depth (m)				0.20				
Date Sampled				19/12/2018				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	< 0.0010				
Chloroethane	mg/kg	0.001	NONE	< 0.0010				
Bromomethane	mg/kg	0.001	ISO 17025	< 0.0010				
Vinyl Chloride	mg/kg	0.001	NONE	< 0.0010				
Trichlorofluoromethane	mg/kg	0.001	NONE	< 0.0010				
1,1-Dichloroethene	mg/kg	0.001	NONE	< 0.0010				
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	< 0.0010				
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	< 0.0010				
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.0010				
1,1-Dichloroethane	mg/kg	0.001	MCERTS	< 0.0010				
2,2-Dichloropropane	mg/kg	0.001	MCERTS	< 0.0010				
Trichloromethane	mg/kg	0.001	MCERTS	< 0.0010				
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	< 0.0010				
1,2-Dichloroethane	mg/kg	0.001	MCERTS	< 0.0010				
1,1-Dichloropropene	mg/kg	0.001	MCERTS	< 0.0010				
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	< 0.0010				
Benzene	mg/kg	0.001	MCERTS	< 0.0010				
Tetrachloromethane	mg/kg	0.001	MCERTS	< 0.0010				
1,2-Dichloropropane	mg/kg	0.001	MCERTS	< 0.0010				
Trichloroethene	mg/kg	0.001	MCERTS	< 0.0010				
Dibromomethane	mg/kg	0.001	MCERTS	< 0.0010				
Bromodichloromethane	mg/kg	0.001	MCERTS	< 0.0010				
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	< 0.0010				
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	< 0.0010				
Toluene	mg/kg	0.001	MCERTS	< 0.0010				
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	< 0.0010				
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	< 0.0010				
Dibromochloromethane	mg/kg	0.001	ISO 17025	< 0.0010				
Tetrachloroethene	mg/kg	0.001	NONE	< 0.0010				
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	< 0.0010				
Chlorobenzene	mg/kg	0.001	MCERTS	< 0.0010				
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	< 0.0010				
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.0010				
p & m-Xylene	mg/kg	0.001	MCERTS	< 0.0010				
Styrene	mg/kg	0.001	MCERTS	< 0.0010				
Tribromomethane	mg/kg	0.001	NONE	< 0.0010				
o-Xylene	mg/kg	0.001	MCERTS	< 0.0010				
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	< 0.0010				
Isopropylbenzene	mg/kg	0.001	MCERTS	< 0.0010				
Bromobenzene	mg/kg	0.001	MCERTS	< 0.0010				
n-Propylbenzene	mg/kg	0.001	ISO 17025	< 0.0010				
2-Chlorotoluene	mg/kg	0.001	MCERTS	< 0.0010				
4-Chlorotoluene	mg/kg	0.001	MCERTS	< 0.0010				
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	< 0.0010				
tert-Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010				
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	< 0.0010				
sec-Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010				
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	< 0.0010				
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	< 0.0010				
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010				
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010				
Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010				
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	< 0.0010				
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010				
Hexachlorobutadiene	mg/kg	0.001	MCERTS	< 0.0010				
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	< 0.0010				

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Analytical Report Number: 18-23480

Project / Site name: Eastleigh
Your Order No: DS43181

Lab Sample Number				1122441				
Sample Reference				BH102				
Sample Number				None Supplied				
Depth (m)				0.20				
Date Sampled				19/12/2018				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	< 0.1				
Phenol	mg/kg	0.2	ISO 17025	< 0.2				
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1				
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2				
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2				
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1				
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2				
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1				
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3				
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05				
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3				
4-Methylphenol	mg/kg	0.2	NONE	< 0.2				
Isophorone	mg/kg	0.2	MCERTS	< 0.2				
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3				
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3				
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3				
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3				
Naphthalene	mg/kg	0.05	MCERTS	< 0.05				
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3				
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1				
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1				
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1				
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1				
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2				
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1				
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1				
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1				
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1				
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05				
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05				
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2				
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2				
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3				
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2				
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2				
Fluorene	mg/kg	0.05	MCERTS	< 0.05				
Azobenzene	mg/kg	0.3	MCERTS	< 0.3				
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2				
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3				
Phenanthrene	mg/kg	0.05	MCERTS	0.53				
Anthracene	mg/kg	0.05	MCERTS	< 0.05				
Carbazole	mg/kg	0.3	MCERTS	< 0.3				
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2				
Anthraquinone	mg/kg	0.3	MCERTS	< 0.3				
Fluoranthene	mg/kg	0.05	MCERTS	1.3				
Pyrene	mg/kg	0.05	MCERTS	1.3				
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3				
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.80				
Chrysene	mg/kg	0.05	MCERTS	0.88				
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.96				
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.40				
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.63				
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				

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Analytical Report Number : 18-23480

Project / Site name: Eastleigh

* 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 *
1122441	BH102	None Supplied	0.20	Brown gravelly sand with chalk.

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Analytical Report Number : 18-23480

Project / Site name: Eastleigh

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L009-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	D	MCERTS
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
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.	In-house method based on USEPA 8270	L064-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
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 based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (1hr extraction)	Sulphate, water soluble, in soil (1hr extraction)	In-house method	L038-PL	D	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

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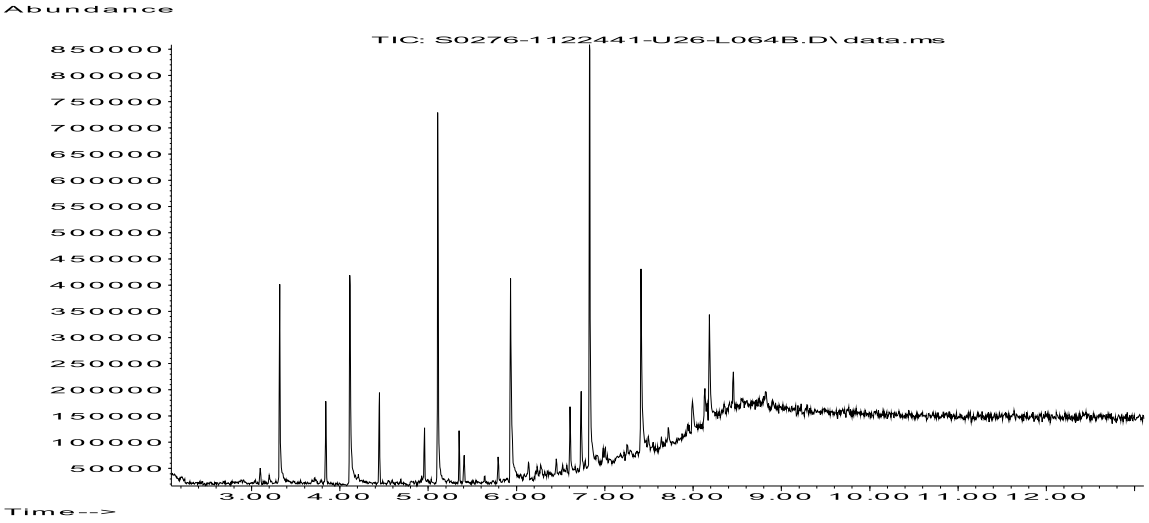
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Analytical Report Number : 19-24413

Project / Site name:	Eastleigh Works	**Samples received on:**	09/01/2019
Your job number:	17-1080.05	**Samples instructed on:**	10/01/2019
Your order number:	DS43181	**Analysis completed by:**	17/01/2019
Report Issue Number:	1	**Report issued on:**	17/01/2019
Samples Analysed:	1 soil sample		

[redacted]

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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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 19-24413

Project / Site name: Eastleigh Works
Your Order No: DS43181

Lab Sample Number				1128362				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				0.80-1.20				
Date Sampled				09/01/2019				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1				
Moisture Content	%	N/A	NONE	19				
Total mass of sample received	kg	0.001	NONE	1.3				
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected				
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.4				
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	40				
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.020				
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	20.2				
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	MCERTS	< 0.05				
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 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	MCERTS	< 0.80				

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Analytical Report Number: 19-24413

Project / Site name: Eastleigh Works
Your Order No: DS43181

Lab Sample Number				1128362				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				0.80-1.20				
Date Sampled				09/01/2019				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	6.7				
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2				
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2				
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	29				
Copper (aqua regia extractable)	mg/kg	1	MCERTS	22				
Lead (aqua regia extractable)	mg/kg	1	MCERTS	19				
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3				
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	25				
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	49				
Monoaromatics								
Benzene	mg/kg	0.001	MCERTS	< 0.001				
Toluene	mg/kg	0.001	MCERTS	< 0.001				
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001				
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001				
o-xylene	mg/kg	0.001	MCERTS	< 0.001				
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001				
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0				
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0				
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0				
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0				
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10				
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001				
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0				
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0				
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10				
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10				
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10				

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Analytical Report Number: 19-24413

Project / Site name: Eastleigh Works
Your Order No: DS43181

Lab Sample Number				1128362				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				0.80-1.20				
Date Sampled				09/01/2019				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	µg/kg	1	ISO 17025	< 1.0				
Chloroethane	µg/kg	1	NONE	< 1.0				
Bromomethane	µg/kg	1	ISO 17025	< 1.0				
Vinyl Chloride	µg/kg	1	NONE	< 1.0				
Trichlorofluoromethane	µg/kg	1	NONE	< 1.0				
1,1-Dichloroethene	µg/kg	1	NONE	< 1.0				
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	< 1.0				
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	< 1.0				
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0				
1,1-Dichloroethane	µg/kg	1	MCERTS	< 1.0				
2,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0				
Trichloromethane	µg/kg	1	MCERTS	< 1.0				
1,1,1-Trichloroethane	µg/kg	1	MCERTS	< 1.0				
1,2-Dichloroethane	µg/kg	1	MCERTS	< 1.0				
1,1-Dichloropropene	µg/kg	1	MCERTS	< 1.0				
Trans-1,2-dichloroethene	µg/kg	1	NONE	< 1.0				
Benzene	µg/kg	1	MCERTS	< 1.0				
Tetrachloromethane	µg/kg	1	MCERTS	< 1.0				
1,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0				
Trichloroethene	µg/kg	1	MCERTS	< 1.0				
Dibromomethane	µg/kg	1	MCERTS	< 1.0				
Bromodichloromethane	µg/kg	1	MCERTS	< 1.0				
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0				
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0				
Toluene	µg/kg	1	MCERTS	< 1.0				
1,1,2-Trichloroethane	µg/kg	1	MCERTS	< 1.0				
1,3-Dichloropropane	µg/kg	1	ISO 17025	< 1.0				
Dibromochloromethane	µg/kg	1	ISO 17025	< 1.0				
Tetrachloroethene	µg/kg	1	NONE	< 1.0				
1,2-Dibromoethane	µg/kg	1	ISO 17025	< 1.0				
Chlorobenzene	µg/kg	1	MCERTS	< 1.0				
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0				
Ethylbenzene	µg/kg	1	MCERTS	< 1.0				
p & m-Xylene	µg/kg	1	MCERTS	< 1.0				
Styrene	µg/kg	1	MCERTS	< 1.0				
Tribromomethane	µg/kg	1	NONE	< 1.0				
o-Xylene	µg/kg	1	MCERTS	< 1.0				
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0				
Isopropylbenzene	µg/kg	1	MCERTS	< 1.0				
Bromobenzene	µg/kg	1	MCERTS	< 1.0				
n-Propylbenzene	µg/kg	1	ISO 17025	< 1.0				
2-Chlorotoluene	µg/kg	1	MCERTS	< 1.0				
4-Chlorotoluene	µg/kg	1	MCERTS	< 1.0				
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0				
tert-Butylbenzene	µg/kg	1	MCERTS	< 1.0				
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0				
sec-Butylbenzene	µg/kg	1	MCERTS	< 1.0				
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	< 1.0				
p-Isopropyltoluene	µg/kg	1	ISO 17025	< 1.0				
1,2-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0				
1,4-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0				
Butylbenzene	µg/kg	1	MCERTS	< 1.0				
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	< 1.0				
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	< 1.0				
Hexachlorobutadiene	µg/kg	1	MCERTS	< 1.0				
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	< 1.0				

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Analytical Report Number: 19-24413

Project / Site name: Eastleigh Works
Your Order No: DS43181

Lab Sample Number				1128362				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				0.80-1.20				
Date Sampled				09/01/2019				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	ND				
VOC % Match	%	N/A	NONE	-				

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Analytical Report Number: 19-24413

Project / Site name: Eastleigh Works
Your Order No: DS43181

Lab Sample Number				1128362				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				0.80-1.20				
Date Sampled				09/01/2019				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	< 0.1				
Phenol	mg/kg	0.2	ISO 17025	< 0.2				
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1				
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2				
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2				
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1				
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2				
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1				
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3				
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05				
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3				
4-Methylphenol	mg/kg	0.2	NONE	< 0.2				
Isophorone	mg/kg	0.2	MCERTS	< 0.2				
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3				
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3				
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3				
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3				
Naphthalene	mg/kg	0.05	MCERTS	< 0.05				
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3				
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1				
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1				
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1				
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1				
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2				
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1				
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1				
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1				
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1				
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05				
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05				
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2				
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2				
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3				
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2				
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2				
Fluorene	mg/kg	0.05	MCERTS	< 0.05				
Azobenzene	mg/kg	0.3	MCERTS	< 0.3				
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2				
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3				
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05				
Anthracene	mg/kg	0.05	MCERTS	< 0.05				
Carbazole	mg/kg	0.3	MCERTS	< 0.3				
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2				
Anthraquinone	mg/kg	0.3	MCERTS	< 0.3				
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05				
Pyrene	mg/kg	0.05	MCERTS	< 0.05				
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3				
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	MCERTS	< 0.05				
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 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				

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Analytical Report Number: 19-24413

Project / Site name: Eastleigh Works
Your Order No: DS43181

Lab Sample Number				1128362				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				0.80-1.20				
Date Sampled				09/01/2019				
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	ND				
SVOC % Match	%	N/A	NONE	-				

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Analytical Report Number : 19-24413

Project / Site name: Eastleigh Works

* 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 *
1128362	BH103	None Supplied	0.80-1.20	Brown clay.

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Analytical Report Number : 19-24413

Project / Site name: Eastleigh Works

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	D	MCERTS
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
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.	In-house method based on USEPA 8270	L064-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
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 based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS
Tentatively identified compounds (SVOC) in soil	Determination of semi-volatile organic compounds total ion count in soil by extraction with dichloromethane and hexane followed by GC-MS followed by a full library scan.	In-house method based on USEPA 8270	L064-PL	D	NONE
Tentatively identified compounds (VOC) in soil	Determination of volatile organic compounds total ion count in soil by headspace GC-MS followed by a full library scan.	In-house method based on USEPA8260	L073-PL	W	NONE
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

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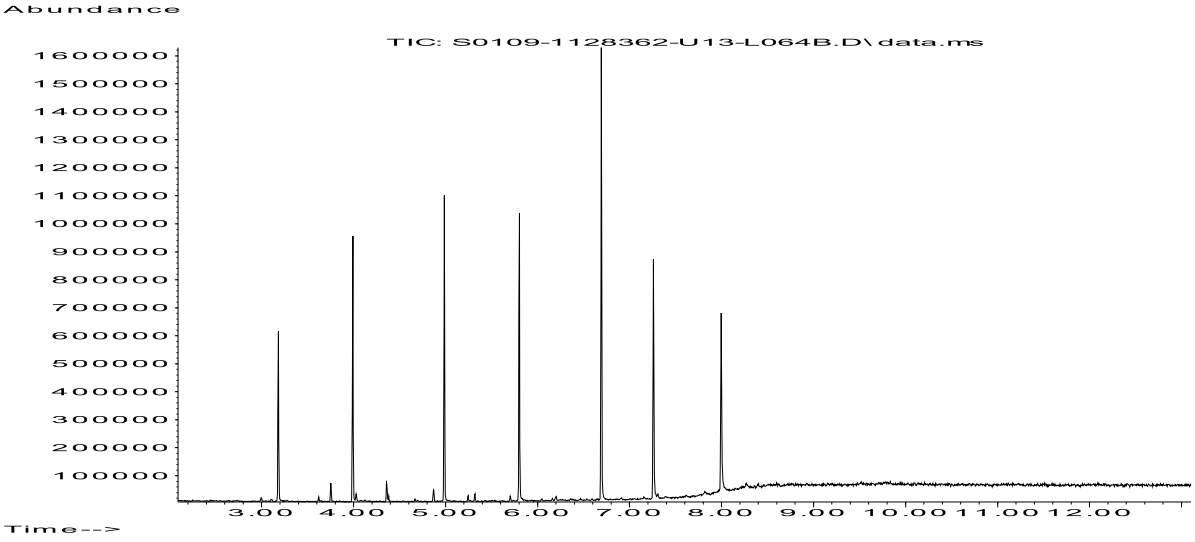
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Analytical Report Number : 19-24864

Project / Site name:	Eastleigh Works	**Samples received on:**	09/01/2019
Your job number:	17-1080.05	**Samples instructed on:**	15/01/2019
Your order number:	DS43227	**Analysis completed by:**	28/01/2019
Report Issue Number:	1	**Report issued on:**	28/01/2019
Samples Analysed:	7 soil samples		

[redacted]

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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Analytical Report Number: 19-24864

Project / Site name: Eastleigh Works
Your Order No: DS43227

Lab Sample Number				1131532	1131533	1131534	1131535	1131536
Sample Reference				BH103	BH103	BH103	BH103	BH103
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30-0.70	2.20	8.00	11.00	13.00-13.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
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	25	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	25	6.0	22	22	17
Total mass of sample received	kg	0.001	NONE	0.41	0.51	0.51	0.54	0.30

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.6	8.2	8.1	8.4	8.1
Total Sulphate as SO_4	%	0.005	MCERTS	0.125	0.032	0.076	0.074	0.037
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	100	89	430	690	350
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.050	0.045	0.21	0.35	0.18
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	50.0	44.5	213	346	175
Total Sulphur	%	0.005	MCERTS	0.081	0.032	0.724	0.783	0.700

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Analytical Report Number: 19-24864

Project / Site name: Eastleigh Works
Your Order No: DS43227

Lab Sample Number				1131537	1131538			
Sample Reference				BH103	BH103			
Sample Number				None Supplied	None Supplied			
Depth (m)				16.50-16.95	18.00			
Date Sampled				Deviating	Deviating			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Stone Content	%	0.1	NONE	< 0.1	< 0.1			
Moisture Content	%	N/A	NONE	17	19			
Total mass of sample received	kg	0.001	NONE	0.64	0.49			

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.9	7.9			
Total Sulphate as SO_4	%	0.005	MCERTS	0.061	0.046			
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	370	200			
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.19	0.099			
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	188	98.9			
Total Sulphur	%	0.005	MCERTS	1.01	0.640			

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Analytical Report Number : 19-24864

Project / Site name: Eastleigh Works

* 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 *
1131532	BH103	None Supplied	0.30-0.70	Black gravelly sand with clinker.
1131533	BH103	None Supplied	2.20	Light brown gravelly sand with stones.
1131534	BH103	None Supplied	8.00	Grey clay and sand.
1131535	BH103	None Supplied	11.00	Grey clay and sand.
1131536	BH103	None Supplied	13.00-13.50	Grey clay and sand.
1131537	BH103	None Supplied	16.50-16.95	Grey clay and sand.
1131538	BH103	None Supplied	18.00	Grey clay and sand.

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Analytical Report Number : 19-24864

Project / Site name: Eastleigh Works

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	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
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 based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L038	D	MCERTS
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 based on BS1377 Part 3, 1990, and MEWAM 2006 Methods for the Determination of Metals in Soil	L038	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

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Sample ID	Other_ID	Sample Type	Job	Sample Number	Sample Deviation Code	test_name	test_ref	Test Deviation code
BH103		S	19-24864	1131532	a			
BH103		S	19-24864	1131533	a			
BH103		S	19-24864	1131534	a			
BH103		S	19-24864	1131535	a			
BH103		S	19-24864	1131536	a			
BH103		S	19-24864	1131537	a			
BH103		S	19-24864	1131538	a			

Key: a - No sampling date b - Incorrect container
c - Holding time d - Headspace e - Temperature

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Combined Report : Eastleigh Works

Replaces Combined Report : Eastleigh Works, issue no. 3

Project / Site name:	Eastleigh Works	**Samples received on:**	11/01/2019
Your job number:	17-1080.05	**Samples instructed on:**	11/01/2019
Your order number:	DS43408	**Analysis completed by:**	21/02/2019
Report Issue Number:	4	**Report issued on:**	12/03/2019
Samples Analysed:	83 soil samples		

Signed: [redacted]

Rexona Rahman
Head of Customer Services
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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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129791	1129792	1129793	1129794	1129795
Sample Reference				DS103	DS102a	DS102a	DS101	DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.50	4.70	0.10	0.60
Date Sampled				07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019
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
Moisture Content	%	N/A	NONE	17	28	20	-	17
Total mass of sample received	kg	0.001	NONE	1.1	0.73	1.2	-	1.1
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	-	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.9	7.9	-	-	7.3
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	0.065	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	240	190	-	-	900
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.12	0.096	-	-	0.45
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	122	95.5	-	-	451
Total Sulphur	%	0.005	MCERTS	-	0.063	-	-	-
Organic Matter	%	0.1	MCERTS	2.0	13	-	-	-
Phenols by GC-MS								
Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	13	-	-	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	15	-	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	4.2	-	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	21	-	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.36	83	-	-	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	23	-	-	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.77	70	-	-	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.71	49	-	-	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.26	38	-	-	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.41	26	-	-	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.38	30	-	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.26	15	-	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.31	24	-	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.24	10	-	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	4.6	-	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.24	10	-	-	< 0.05

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129791	1129792	1129793	1129794	1129795
Sample Reference				DS103	DS102a	DS102a	DS101	DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.50	4.70	0.10	0.60
Date Sampled				07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	3.94	436	-	-	< 0.80

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129791	1129792	1129793	1129794	1129795
Sample Reference				DS103	DS102a	DS102a	DS101	DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.50	4.70	0.10	0.60
Date Sampled				07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	3.9	11	-	-	1.8
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	-	-	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	-	-	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21	13	-	-	37
Copper (aqua regia extractable)	mg/kg	1	MCERTS	30	370	-	-	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	47	99	-	-	12
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.7	-	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	16	49	-	-	23
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	49	160	-	-	48
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	-	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	< 10	< 10	-	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	23	< 1.0	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	170	< 2.0	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	600	< 10	-	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	550	< 10	-	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	15	1300	< 10	-	< 10

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129791	1129792	1129793	1129794	1129795
Sample Reference				DS103	DS102a	DS102a	DS101	DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.50	4.70	0.10	0.60
Date Sampled				07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Chloroethane	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
Benzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Toluene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Styrene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Tribromomethane	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129791	1129792	1129793	1129794	1129795
Sample Reference				DS103	DS102a	DS102a	DS101	DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.50	4.70	0.10	0.60
Date Sampled				07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	ND	-	-
VOC % Match	%	N/A	NONE	-	-	0	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1129791	1129792	1129793	1129794	1129795
Sample Reference				DS103	DS102a	DS102a	DS101	DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.50	4.70	0.10	0.60
Date Sampled				07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	< 0.2	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	< 0.3	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	< 0.3	-	-
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	MCERTS	-	-	< 0.05	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	< 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	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129791	1129792	1129793	1129794	1129795
Sample Reference				DS103	DS102a	DS102a	DS101	DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.50	4.70	0.10	0.60
Date Sampled				07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	ND	-	-
SVOC % Match	%	N/A	NONE	-	-	0	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1129791	1129792	1129793	1129794	1129795
Sample Reference				DS103	DS102a	DS102a	DS101	DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.50	4.70	0.10	0.60
Date Sampled				07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1129791	1129792	1129793	1129794	1129795
Sample Reference				DS103	DS102a	DS102a	DS101	DS101
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.50	4.70	0.10	0.60
Date Sampled				07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129796	1129797	1129798	1129799	1129800
Sample Reference				DS101	DS104	BH104	DS117	DS136
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.80	0.50	0.60	0.30	0.30
Date Sampled				07/01/2019	08/01/2019	07/01/2019	09/01/2019	10/01/2019
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	-
Moisture Content	%	N/A	NONE	12	16	15	17	-
Total mass of sample received	kg	0.001	NONE	1.2	0.95	1.2	0.83	-
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	-	7.7	8.3	7.9	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	0.024	0.113	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	68	74	260	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.034	0.037	0.13	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	34.1	36.9	132	-
Total Sulphur	%	0.005	MCERTS	-	-	0.009	0.079	-
Organic Matter	%	0.1	MCERTS	1.6	0.4	-	8.8	-
Phenols by GC-MS								
Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.91	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.99	-
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	1.4	-
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	1.3	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.74	-
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.90	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.77	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.52	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.58	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.44	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	0.68	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129796	1129797	1129798	1129799	1129800
Sample Reference				DS101	DS104	BH104	DS117	DS136
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.80	0.50	0.60	0.30	0.30
Date Sampled				07/01/2019	08/01/2019	07/01/2019	09/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	< 0.80	< 0.80	9.30	-

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Lab Sample Number				1129796	1129797	1129798	1129799	1129800
Sample Reference				DS101	DS104	BH104	DS117	DS136
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.80	0.50	0.60	0.30	0.30
Date Sampled				07/01/2019	08/01/2019	07/01/2019	09/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	4.4	2.7	18	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	0.7	-
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	< 1.2	< 1.2	< 1.2	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	29	30	20	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	15	14	230	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	12	12	150	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	0.6	< 0.3	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	23	22	47	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	44	43	270	-
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	-
Toluene	mg/kg	0.001	MCERTS	0.007	< 0.001	< 0.001	< 0.001	-
Ethylbenzene	mg/kg	0.001	MCERTS	0.14	< 0.001	< 0.001	< 0.001	-
p & m-xylene	mg/kg	0.001	MCERTS	0.30	< 0.001	< 0.001	< 0.001	-
o-xylene	mg/kg	0.001	MCERTS	0.15	< 0.001	< 0.001	< 0.001	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	45	< 2.0	< 2.0	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	57	< 8.0	< 8.0	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	40	< 8.0	< 8.0	17	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	140	< 10	< 10	17	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	0.007	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	1.7	< 0.001	< 0.001	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	760	< 1.0	< 1.0	1.6	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	2500	< 2.0	< 2.0	4.6	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	3100	< 10	< 10	< 10	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	410	< 10	< 10	23	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	6800	< 10	< 10	39	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1129796	1129797	1129798	1129799	1129800
Sample Reference				DS101	DS104	BH104	DS117	DS136
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.80	0.50	0.60	0.30	0.30
Date Sampled				07/01/2019	08/01/2019	07/01/2019	09/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Chloroethane	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
Bromomethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Vinyl Chloride	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Trichloromethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
Benzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Trichloroethene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Dibromomethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Toluene	mg/kg	0.001	MCERTS	0.0065	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Tetrachloroethene	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	0.14	-	-	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	0.30	-	-	-	-
Styrene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Tribromomethane	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
o-Xylene	mg/kg	0.001	MCERTS	0.15	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	0.059	-	-	-	-
Bromobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	0.033	-	-	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	0.33	-	-	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	0.68	-	-	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	0.0038	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	0.045	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129796	1129797	1129798	1129799	1129800
Sample Reference				DS101	DS104	BH104	DS117	DS136
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.80	0.50	0.60	0.30	0.30
Date Sampled				07/01/2019	08/01/2019	07/01/2019	09/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	Benzene, 1,2-diethyl-	-	-	-	-
VOC % Match	%	N/A	NONE	96	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	Benzene, 1,2,4,5-tetramethyl-	-	-	-	-
VOC % Match	%	N/A	NONE	96	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	Naphthalene, 2-methyl-	-	-	-	-
VOC % Match	%	N/A	NONE	96	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	Benzene, 1-ethyl-2,3-dimethyl-	-	-	-	-
VOC % Match	%	N/A	NONE	94	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	Dodecane	-	-	-	-
VOC % Match	%	N/A	NONE	94	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	1H-Indene, 2,3-dihydro-5-methyl-	-	-	-	-
VOC % Match	%	N/A	NONE	94	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	1H-Indene, 1-methyl-	-	-	-	-
VOC % Match	%	N/A	NONE	93	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	1H-Indene, 2,3-dihydro-4,7-dimethyl-	-	-	-	-
VOC % Match	%	N/A	NONE	93	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	Benzene, 1-ethynyl-4-methyl-	-	-	-	-
VOC % Match	%	N/A	NONE	91	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	Benzo[b]thiophene	-	-	-	-
VOC % Match	%	N/A	NONE	91	-	-	-	-

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Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	< 0.1	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	520	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	120	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	3.7	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	260	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	240	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	250	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	3.1	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	740	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	130	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	73	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	12	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	220	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	130	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	27	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	24	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	9.5	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	5.1	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	7.2	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	2.3	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	2.1	-	-	-	-

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Lab Sample Number				1129796	1129797	1129798	1129799	1129800
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Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.80	0.50	0.60	0.30	0.30
Date Sampled				07/01/2019	08/01/2019	07/01/2019	09/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 2-ethyl-	-	-	-	-
SVOC % Match	%	N/A	NONE	97	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 2,7-dimethyl-	-	-	-	-
SVOC % Match	%	N/A	NONE	97	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 1,7-dimethyl-	-	-	-	-
SVOC % Match	%	N/A	NONE	97	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 1,5-dimethyl-	-	-	-	-
SVOC % Match	%	N/A	NONE	97	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 1,6,7-trimethyl-	-	-	-	-
SVOC % Match	%	N/A	NONE	97	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 2,3,6-trimethyl-	-	-	-	-
SVOC % Match	%	N/A	NONE	97	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 1-methyl-	-	-	-	-
SVOC % Match	%	N/A	NONE	96	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Pyrene, 1-methyl-	-	-	-	-
SVOC % Match	%	N/A	NONE	96	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Perylene	-	-	-	-

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Depth (m)				4.80	0.50	0.60	0.30	0.30
Date Sampled				07/01/2019	08/01/2019	07/01/2019	09/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	96	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 2-methyl-	-	-	-	-
SVOC % Match	%	N/A	NONE	95	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129796	1129797	1129798	1129799	1129800
Sample Reference				DS101	DS104	BH104	DS117	DS136
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.80	0.50	0.60	0.30	0.30
Date Sampled				07/01/2019	08/01/2019	07/01/2019	09/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129801	1129802	1129803	1129804	1129805
Sample Reference				DS135	DS135	DS137	DS146	DS146
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.70	0.20	0.40
Date Sampled				10/01/2019	10/01/2019	09/01/2019	09/01/2019	09/01/2019
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
Moisture Content	%	N/A	NONE	-	11	11	-	15
Total mass of sample received	kg	0.001	NONE	-	1.1	1.1	-	1.2

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile- Loose Fibrous Debris	Chrysotile- Loose Fibrous Debris	Chrysotile- Loose Fibrous Debris	Chrysotile, Amosite- Loose Fibres	Chrysotile & Amosite & Crocidolite
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	Detected	Detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	0.020
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	0.020

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	8.0	8.0	-	8.1
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	0.251	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	960	1600	-	480
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.48	0.78	-	0.24
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	481	779	-	240
Total Sulphur	%	0.005	MCERTS	-	-	0.159	-	-
Organic Matter	%	0.1	MCERTS	-	-	4.0	-	5.3

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	1.5	< 0.05	-	0.42
Acenaphthylene	mg/kg	0.05	MCERTS	-	0.31	< 0.05	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	1.2	< 0.05	-	0.38
Fluorene	mg/kg	0.05	MCERTS	-	1.2	0.34	-	0.46
Phenanthrene	mg/kg	0.05	MCERTS	-	9.4	1.7	-	2.5
Anthracene	mg/kg	0.05	MCERTS	-	3.4	0.69	-	0.71
Fluoranthene	mg/kg	0.05	MCERTS	-	17	3.1	-	4.2
Pyrene	mg/kg	0.05	MCERTS	-	15	2.7	-	3.8
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	7.9	1.5	-	1.7
Chrysene	mg/kg	0.05	MCERTS	-	7.7	1.3	-	1.9
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	9.9	1.7	-	2.0
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	3.3	1.0	-	1.0
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	8.2	1.5	-	1.7
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	4.3	0.82	-	0.90
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	1.4	0.25	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	5.6	1.1	-	1.2

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129801	1129802	1129803	1129804	1129805
Sample Reference				DS135	DS135	DS137	DS146	DS146
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.70	0.20	0.40
Date Sampled				10/01/2019	10/01/2019	09/01/2019	09/01/2019	09/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	97.9	17.7	-	22.9

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Lab Sample Number				1129801	1129802	1129803	1129804	1129805
Sample Reference				DS135	DS135	DS137	DS146	DS146
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.70	0.20	0.40
Date Sampled				10/01/2019	10/01/2019	09/01/2019	09/01/2019	09/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	38	18	-	39
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	4.9	1.0	-	2.7
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	< 1.2	< 1.2	-	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	62	31	-	48
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	420	510	-	2100
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	4100	390	-	730
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	1.5	< 0.3	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	59	30	-	47
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	2400	370	-	640
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
Toluene	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
o-xylene	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	1.4	1.1	-	2.8
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	14	11	-	26
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	130	69	-	140
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	780	460	-	1100
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	920	540	-	1300
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	2.7	3.9	-	3.3
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	14	11	-	17
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	180	83	-	160
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	650	330	-	710
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	840	430	-	880

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129801	1129802	1129803	1129804	1129805
Sample Reference				DS135	DS135	DS137	DS146	DS146
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.70	0.20	0.40
Date Sampled				10/01/2019	10/01/2019	09/01/2019	09/01/2019	09/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chloroethane	mg/kg	0.001	NONE	-	-	-	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	-	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
Benzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Toluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
Styrene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tribromomethane	mg/kg	0.001	NONE	-	-	-	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129801	1129802	1129803	1129804	1129805
Sample Reference				DS135	DS135	DS137	DS146	DS146
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.70	0.20	0.40
Date Sampled				10/01/2019	10/01/2019	09/01/2019	09/01/2019	09/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1129801	1129802	1129803	1129804	1129805
Sample Reference				DS135	DS135	DS137	DS146	DS146
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.70	0.20	0.40
Date Sampled				10/01/2019	10/01/2019	09/01/2019	09/01/2019	09/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129801	1129802	1129803	1129804	1129805
Sample Reference				DS135	DS135	DS137	DS146	DS146
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.70	0.20	0.40
Date Sampled				10/01/2019	10/01/2019	09/01/2019	09/01/2019	09/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

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Lab Sample Number				1129801	1129802	1129803	1129804	1129805
Sample Reference				DS135	DS135	DS137	DS146	DS146
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.70	0.20	0.40
Date Sampled				10/01/2019	10/01/2019	09/01/2019	09/01/2019	09/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1129801	1129802	1129803	1129804	1129805
Sample Reference				DS135	DS135	DS137	DS146	DS146
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.50	0.70	0.20	0.40
Date Sampled				10/01/2019	10/01/2019	09/01/2019	09/01/2019	09/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Lab Sample Number				1129806	1129807	1129808	1129809	1129810
Sample Reference				DS139	DS139	DS139	DS140	DS140
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.40	2.00	0.60	1.40
Date Sampled				09/01/2019	09/01/2019	09/01/2019	08/01/2019	10/01/2019
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	-
Moisture Content	%	N/A	NONE	-	11	-	8.9	-
Total mass of sample received	kg	0.001	NONE	-	1.0	-	1.0	-

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile, Amosite, Crocidolite- Loose Fibres	Chrysotile & Amosite & Crocidolite	-	Chrysotile	Chrysotile- Hard/Cement Type Material, Loose Fibrous Debris
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	Not-detected	Detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	< 0.001	-	0.003	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	< 0.001	-	0.003	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	7.3	-	8.9	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	0.167	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	440	-	980	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.22	-	0.49	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	218	-	492	-
Total Sulphur	%	0.005	MCERTS	-	0.144	-	-	-
Organic Matter	%	0.1	MCERTS	-	5.5	-	-	-

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	0.55	-	0.58	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	-	0.17	-
Acenaphthene	mg/kg	0.05	MCERTS	-	0.33	-	0.34	-
Fluorene	mg/kg	0.05	MCERTS	-	0.33	-	0.25	-
Phenanthrene	mg/kg	0.05	MCERTS	-	2.6	-	2.7	-
Anthracene	mg/kg	0.05	MCERTS	-	0.93	-	0.77	-
Fluoranthene	mg/kg	0.05	MCERTS	-	4.7	-	4.7	-
Pyrene	mg/kg	0.05	MCERTS	-	5.4	-	5.3	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	2.5	-	2.3	-
Chrysene	mg/kg	0.05	MCERTS	-	2.5	-	2.7	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	3.1	-	3.4	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	1.7	-	1.4	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	2.6	-	2.5	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	1.2	-	1.3	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	0.42	-	0.38	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	1.8	-	1.7	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129806	1129807	1129808	1129809	1129810
Sample Reference				DS139	DS139	DS139	DS140	DS140
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.40	2.00	0.60	1.40
Date Sampled				09/01/2019	09/01/2019	09/01/2019	08/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	30.7	-	30.5	-

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Lab Sample Number				1129806	1129807	1129808	1129809	1129810
Sample Reference				DS139	DS139	DS139	DS140	DS140
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.40	2.00	0.60	1.40
Date Sampled				09/01/2019	09/01/2019	09/01/2019	08/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	72	-	28	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	< 0.2	-	1.7	-
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	< 1.2	-	< 1.2	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	67	-	67	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	2300	-	600	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	2200	-	540	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	-	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	58	-	66	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	260	-	1400	-
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
Toluene	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
p & m-xylene	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
o-xylene	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	4.6	-	5.2	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	16	-	120	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	73	-	450	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	560	-	2500	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	650	-	3100	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	< 1.0	-	2.3	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	8.7	-	55	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	77	-	470	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	300	-	1700	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	380	-	2200	-

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Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129806	1129807	1129808	1129809	1129810
Sample Reference				DS139	DS139	DS139	DS140	DS140
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.40	2.00	0.60	1.40
Date Sampled				09/01/2019	09/01/2019	09/01/2019	08/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chloroethane	mg/kg	0.001	NONE	-	-	-	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	-	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
Benzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Toluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
Styrene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tribromomethane	mg/kg	0.001	NONE	-	-	-	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-

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Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129806	1129807	1129808	1129809	1129810
Sample Reference				DS139	DS139	DS139	DS140	DS140
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.40	2.00	0.60	1.40
Date Sampled				09/01/2019	09/01/2019	09/01/2019	08/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129806	1129807	1129808	1129809	1129810
Sample Reference				DS139	DS139	DS139	DS140	DS140
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.40	2.00	0.60	1.40
Date Sampled				09/01/2019	09/01/2019	09/01/2019	08/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129806	1129807	1129808	1129809	1129810
Sample Reference				DS139	DS139	DS139	DS140	DS140
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.40	2.00	0.60	1.40
Date Sampled				09/01/2019	09/01/2019	09/01/2019	08/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

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Lab Sample Number				1129806	1129807	1129808	1129809	1129810
Sample Reference				DS139	DS139	DS139	DS140	DS140
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.40	2.00	0.60	1.40
Date Sampled				09/01/2019	09/01/2019	09/01/2019	08/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1129806	1129807	1129808	1129809	1129810
Sample Reference				DS139	DS139	DS139	DS140	DS140
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	1.40	2.00	0.60	1.40
Date Sampled				09/01/2019	09/01/2019	09/01/2019	08/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1129811	1129812	1129813	1129814	1129815
Sample Reference				DS141	DS141	DS133	DS133	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.30	1.20	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
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	-	12
Moisture Content	%	N/A	NONE	-	18	14	-	11
Total mass of sample received	kg	0.001	NONE	-	1.1	1.2	-	1.1

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile, Amosite- Loose Fibres	Amosite- Loose Fibres	Chrysotile- Loose Fibres	-	Chrysotile, Amosite- Loose Fibres
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	Detected	Not-detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	-	8.0	10.6	-	7.9
Total Cyanide	mg/kg	1	MCERTS	-	< 1	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	< 1	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	< 1	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	340	540	-	88
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.17	0.27	-	0.044
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	170	272	-	43.9
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-
Organic Matter	%	0.1	MCERTS	-	4.3	1.2	-	4.4

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	< 1.0	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	-	0.52	< 0.05	-	0.21
Acenaphthylene	mg/kg	0.05	MCERTS	-	0.18	< 0.05	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	0.64	< 0.05	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	0.73	< 0.05	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	3.7	0.32	-	0.55
Anthracene	mg/kg	0.05	MCERTS	-	0.97	< 0.05	-	0.16
Fluoranthene	mg/kg	0.05	MCERTS	-	6.2	0.63	-	1.2
Pyrene	mg/kg	0.05	MCERTS	-	5.4	0.64	-	1.2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	2.5	0.37	-	0.67
Chrysene	mg/kg	0.05	MCERTS	-	2.7	0.31	-	0.69
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	3.4	0.52	-	0.75
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	1.4	0.26	-	0.55
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	2.5	0.39	-	0.72
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	1.4	0.32	-	0.43
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	0.34	< 0.05	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	1.6	0.43	-	0.52

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129811	1129812	1129813	1129814	1129815
Sample Reference				DS141	DS141	DS133	DS133	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.30	1.20	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	34.1	4.19	-	7.68

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Lab Sample Number				1129811	1129812	1129813	1129814	1129815
Sample Reference				DS141	DS141	DS133	DS133	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.30	1.20	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	28	9.9	-	40
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	< 0.2	0.5	-	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	< 1.2	< 1.2	-	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	47	210	-	42
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	520	110	-	1800
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	310	1400	-	600
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	0.6	< 0.3	-	0.7
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	43	16	-	43
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	240	140	-	390
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
Toluene	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
o-xylene	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	0.15	-	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	-	11	< 1.0	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	-	51	7.2	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	-	210	28	-	8.6
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	-	1400	64	-	110
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	-	1700	100	-	120
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	-	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	-	6.4	< 1.0	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	-	24	4.7	-	4.7
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	-	190	36	-	11
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	-	900	74	-	54
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	-	1100	120	-	71

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Lab Sample Number				1129811	1129812	1129813	1129814	1129815
Sample Reference				DS141	DS141	DS133	DS133	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.30	1.20	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chloroethane	mg/kg	0.001	NONE	-	-	-	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	-	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
Benzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Toluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
Styrene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tribromomethane	mg/kg	0.001	NONE	-	-	-	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129811	1129812	1129813	1129814	1129815
Sample Reference				DS141	DS141	DS133	DS133	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.30	1.20	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

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Lab Sample Number				1129811	1129812	1129813	1129814	1129815
Sample Reference				DS141	DS141	DS133	DS133	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.30	1.20	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129811	1129812	1129813	1129814	1129815
Sample Reference				DS141	DS141	DS133	DS133	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.30	1.20	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

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Lab Sample Number				1129811	1129812	1129813	1129814	1129815
Sample Reference				DS141	DS141	DS133	DS133	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.30	1.20	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1129811	1129812	1129813	1129814	1129815
Sample Reference				DS141	DS141	DS133	DS133	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.40	0.80	0.30	1.20	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129816	1129817	1129818	1129819	1129820
Sample Reference				DS149	DS132	DS132	DS134	BH105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.30	0.40	1.10	0.40	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
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	%	N/A	NONE	22	15	19	13	23
Total mass of sample received	kg	0.001	NONE	0.80	0.51	0.52	1.2	0.40

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Amosite- Loose Fibrous Debris	-	-	Chrysotile & Amosite & Crocidolite	Crocidolite, Chrysotile- Loose Fibres
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Not-detected	Not-detected	Detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	0.431	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	0.431	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.5	8.1	7.9	8.1	8.3
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	< 1
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	< 1
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	< 1
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	1200	59	38	80	120
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.59	0.030	0.019	0.040	0.062
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	586	29.7	19.1	40.2	62.1
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-
Organic Matter	%	0.1	MCERTS	-	-	-	5.5	-

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	< 1.0
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-

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	0.28	< 0.05	< 0.05	0.54	2.5
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.15	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.86	< 0.05	0.50	0.73	1.3
Pyrene	mg/kg	0.05	MCERTS	1.1	< 0.05	0.48	0.66	1.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.49	< 0.05	0.16	0.44	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.47	< 0.05	0.22	0.58	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.55	< 0.05	0.37	0.69	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.30	< 0.05	0.21	0.41	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.49	< 0.05	0.26	0.43	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.28	< 0.05	< 0.05	0.31	< 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	0.37	< 0.05	< 0.05	0.53	< 0.05

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1129816	1129817	1129818	1129819	1129820
Sample Reference				DS149	DS132	DS132	DS134	BH105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.30	0.40	1.10	0.40	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	5.19	< 0.80	2.20	5.47	5.16

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1129816	1129817	1129818	1129819	1129820
Sample Reference				DS149	DS132	DS132	DS134	BH105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.30	0.40	1.10	0.40	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	10	7.6	4.0	65	15
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.4	< 0.2	0.2	< 0.2	0.7
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	19	20	59	26
Copper (aqua regia extractable)	mg/kg	1	MCERTS	220	14	20	4300	310
Lead (aqua regia extractable)	mg/kg	1	MCERTS	150	17	100	1000	230
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	25	14	15	80	28
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	110	44	47	730	240
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	2.5	36
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	3.2	810
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	29	2700
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	27	< 8.0	< 8.0	400	11000
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	27	< 10	< 10	430	14000
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	16
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	160
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	10	< 10	< 10	12	1100
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	46	< 10	< 10	180	6700
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	57	< 10	< 10	190	7900

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1129816	1129817	1129818	1129819	1129820
Sample Reference				DS149	DS132	DS132	DS134	BH105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.30	0.40	1.10	0.40	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
Chloroethane	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	< 0.0010
Bromomethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
Vinyl Chloride	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	< 0.0010
Trichlorofluoromethane	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	< 0.0010
1,1-Dichloroethene	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	< 0.0010
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Trichloromethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	< 0.0010
Benzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Tetrachloromethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Trichloroethene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Dibromomethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Bromodichloromethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
Toluene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
Tetrachloroethene	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	< 0.0010
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
Chlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Ethylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
p & m-Xylene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Styrene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Tribromomethane	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	< 0.0010
o-Xylene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Isopropylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Bromobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Butylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	< 0.0010
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	< 0.0010

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1129816	1129817	1129818	1129819	1129820
Sample Reference				DS149	DS132	DS132	DS134	BH105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.30	0.40	1.10	0.40	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	ND	ND	-	ND
VOC % Match	%	N/A	NONE	-	0	0	-	0
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1129816	1129817	1129818	1129819	1129820
Sample Reference				DS149	DS132	DS132	DS134	BH105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.30	0.40	1.10	0.40	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	-	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	< 0.2	-	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
Hexachloroethane	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	< 0.2	-	< 0.2
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
2-Nitrophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	-	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	< 0.1	-	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	-	< 0.1	< 0.1	-	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	< 0.1
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	< 0.3	< 0.3	-	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
4-Nitroaniline	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Azobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	2.5
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	< 0.2
Anthraquinone	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	< 0.3
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	0.50	-	1.3
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	0.48	-	1.4
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	< 0.3	< 0.3	-	< 0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	0.16	-	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	0.22	-	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	0.37	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	0.21	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	0.26	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	< 0.05

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129816	1129817	1129818	1129819	1129820
Sample Reference				DS149	DS132	DS132	DS134	BH105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.30	0.40	1.10	0.40	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	ND	ND	-	Naphthalene, 1,6,7-trimethyl-
SVOC % Match	%	N/A	NONE	-	0	0	-	95
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	9-Octadecenamide, (Z)-
SVOC % Match	%	N/A	NONE	-	-	-	-	95
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	4a,trans-8a-perhydro-trans-1-(2-methoxycarbonylethyl)-trans-2,trans-6,8a-trimethylnaphthalene-2-carboxylic acid
SVOC % Match	%	N/A	NONE	-	-	-	-	94
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	Decahydro-8a-ethyl-1,1,4a,6-tetramethylnaphthalene
SVOC % Match	%	N/A	NONE	-	-	-	-	93
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	1,2-Benzisothiazole, 3-(hexahydro-1H-azepin-1-yl)-, 1,1-dioxide
SVOC % Match	%	N/A	NONE	-	-	-	-	93
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	11,12-Dibromo-tetradecan-1-ol acetate
SVOC % Match	%	N/A	NONE	-	-	-	-	93
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	Cyclotriacontane
SVOC % Match	%	N/A	NONE	-	-	-	-	92
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	2-Dodecen-1-yl(-)succinic anhydride
SVOC % Match	%	N/A	NONE	-	-	-	-	92
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	1,14-Docosanediol

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129816	1129817	1129818	1129819	1129820
Sample Reference				DS149	DS132	DS132	DS134	BH105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.30	0.40	1.10	0.40	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	91
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	Naphthalene, 2,3,6-trimethyl-
SVOC % Match	%	N/A	NONE	-	-	-	-	90

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1129816	1129817	1129818	1129819	1129820
Sample Reference				DS149	DS132	DS132	DS134	BH105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				1.30	0.40	1.10	0.40	0.30
Date Sampled				10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1132634	1132635	1132636	1132637	1132638
Sample Reference				DS131	DS129	DS126	TP111	TP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.25	4.60	0.10	0.30
Date Sampled				11/01/2019	11/01/2019	11/01/2019	14/01/2019	14/01/2019
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	-	55
Moisture Content	%	N/A	NONE	17	17	14	-	7.8
Total mass of sample received	kg	0.001	NONE	1.0	1.2	1.3	-	1.2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile, Amosite, Crocidolite - Loose Fibres, Loose Fibrous Debris	-	-	-	Chrysotile, Amosite - Loose Fibres; Chrysotile - Loose Fibrous Debris
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Not-detected	-	Not-detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	8.4	8.3	-	-	8.1
Total Cyanide	mg/kg	1	MCERTS	-	< 1	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	< 1	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	< 1	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	0.167	0.036	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	55	64	-	-	170
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.027	0.032	-	-	0.086
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	27.4	32.2	-	-	86.4
Total Sulphur	%	0.005	MCERTS	0.079	0.019	-	-	-
Organic Matter	%	0.1	MCERTS	-	-	-	-	4.9
Phenols by GC-MS								
Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.27	< 0.05	-	-	0.19
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	0.21
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	0.19
Phenanthrene	mg/kg	0.05	MCERTS	0.67	< 0.05	-	-	1.8
Anthracene	mg/kg	0.05	MCERTS	0.19	< 0.05	-	-	0.54
Fluoranthene	mg/kg	0.05	MCERTS	1.7	< 0.05	-	-	3.6
Pyrene	mg/kg	0.05	MCERTS	1.7	< 0.05	-	-	3.1
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.97	< 0.05	-	-	2.0
Chrysene	mg/kg	0.05	MCERTS	1.0	< 0.05	-	-	1.7
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.6	< 0.05	-	-	2.3
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.59	< 0.05	-	-	1.4
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.67	< 0.05	-	-	1.9
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.43	< 0.05	-	-	0.96
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	0.32
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.53	< 0.05	-	-	0.93

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132634	1132635	1132636	1132637	1132638
Sample Reference				DS131	DS129	DS126	TP111	TP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.25	4.60	0.10	0.30
Date Sampled				11/01/2019	11/01/2019	11/01/2019	14/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	10.3	< 0.80	-	-	21.1

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Lab Sample Number				1132634	1132635	1132636	1132637	1132638
Sample Reference				DS131	DS129	DS126	TP111	TP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.25	4.60	0.10	0.30
Date Sampled				11/01/2019	11/01/2019	11/01/2019	14/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	60	7.0	-	-	46
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	6.7	< 0.2	-	-	1.4
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	-	-	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	66	19	-	-	62
Copper (aqua regia extractable)	mg/kg	1	MCERTS	1500	34	-	-	1700
Lead (aqua regia extractable)	mg/kg	1	MCERTS	710	53	-	-	550
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.5	-	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	130	15	-	-	57
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	430	46	-	-	370
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	1.3	< 1.0	< 1.0	-	2.3
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	23	< 2.0	80	-	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	310	< 8.0	250	-	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	2100	< 8.0	580	-	130
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	2400	< 10	910	-	140
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	4.7	< 2.0	76	-	2.4
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	130	< 10	250	-	20
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	800	< 10	300	-	75
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	930	< 10	630	-	98

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132634	1132635	1132636	1132637	1132638
Sample Reference				DS131	DS129	DS126	TP111	TP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.25	4.60	0.10	0.30
Date Sampled				11/01/2019	11/01/2019	11/01/2019	14/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Chloroethane	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
Benzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Toluene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Styrene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Tribromomethane	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132634	1132635	1132636	1132637	1132638
Sample Reference				DS131	DS129	DS126	TP111	TP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.25	4.60	0.10	0.30
Date Sampled				11/01/2019	11/01/2019	11/01/2019	14/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	ND	-	-
VOC % Match	%	N/A	NONE	-	-	0	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1132634	1132635	1132636	1132637	1132638
Sample Reference				DS131	DS129	DS126	TP111	TP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.25	4.60	0.10	0.30
Date Sampled				11/01/2019	11/01/2019	11/01/2019	14/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	< 0.2	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	< 0.3	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	0.46	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	0.65	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	< 0.3	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	0.44	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	0.36	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	0.22	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	0.17	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	0.17	-	-
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	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132634	1132635	1132636	1132637	1132638
Sample Reference				DS131	DS129	DS126	TP111	TP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.25	4.60	0.10	0.30
Date Sampled				11/01/2019	11/01/2019	11/01/2019	14/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	2-Dodecen-1-yl(-)succinic anhydride	-	-
SVOC % Match	%	N/A	NONE	-	-	96	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Cyclohexadecane	-	-
SVOC % Match	%	N/A	NONE	-	-	95	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Naphthalene, 1,6,7-trimethyl-	-	-
SVOC % Match	%	N/A	NONE	-	-	94	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	1-Bromo-11-iodoundecane	-	-
SVOC % Match	%	N/A	NONE	-	-	94	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Decane, 5,6-bis(2,2-dimethylpropylidene)-, (Z,Z)-	-	-
SVOC % Match	%	N/A	NONE	-	-	93	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Pentadec-7-ene, 7-bromomethyl-	-	-
SVOC % Match	%	N/A	NONE	-	-	92	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	17-Pentatriacontene	-	-
SVOC % Match	%	N/A	NONE	-	-	91	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	1,2-Benzisothiazole, 3-(hexahydro-1H-azepin-1-yl)-, 1,1-dioxide	-	-
SVOC % Match	%	N/A	NONE	-	-	91	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	11,13-Dimethyl-12-tetradecen-1-ol acetate	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132634	1132635	1132636	1132637	1132638
Sample Reference				DS131	DS129	DS126	TP111	TP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.25	4.60	0.10	0.30
Date Sampled				11/01/2019	11/01/2019	11/01/2019	14/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	91	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1132634	1132635	1132636	1132637	1132638
Sample Reference				DS131	DS129	DS126	TP111	TP107
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.30	0.25	4.60	0.10	0.30
Date Sampled				11/01/2019	11/01/2019	11/01/2019	14/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	< 0.001	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	< 0.001	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	< 0.012	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132639	1132640	1132641	1132642	1132643
Sample Reference				TP105	TP/SA106	BH110	DS145	DS122
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.50	0.30	0.40
Date Sampled				14/01/2019	14/01/2019	11/01/2019	10/01/2019	14/01/2019
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	-	30	-	< 0.1
Moisture Content	%	N/A	NONE	16	-	9.9	-	19
Total mass of sample received	kg	0.001	NONE	1.1	-	1.1	-	0.96

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile & Amosite & Crocidolite	Chrysotile, Amosite - Loose Fibres	Chrysotile, Amosite - Loose Fibres	Chrysotile, Amosite - Loose Fibres	Chrysotile, Amosite - Loose Fibres
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	Detected	Detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	0.006	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	0.006	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.0	-	8.2	-	7.7
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	< 1
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	< 1
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	< 1
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	0.142	-	0.248
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	110	-	100	-	120
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.056	-	0.051	-	0.062
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	55.8	-	51.4	-	61.8
Total Sulphur	%	0.005	MCERTS	-	-	0.084	-	0.128
Organic Matter	%	0.1	MCERTS	-	-	-	-	-

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	-	-	< 0.2
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	< 0.2
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	< 0.1
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	< 0.3
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	< 0.1
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	< 0.3
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	< 0.3
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	< 0.1
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.25	-	0.28	-	0.57
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	-	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	-	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.65	-	2.1	-	1.0
Anthracene	mg/kg	0.05	MCERTS	0.11	-	0.52	-	0.13
Fluoranthene	mg/kg	0.05	MCERTS	0.88	-	4.1	-	0.84
Pyrene	mg/kg	0.05	MCERTS	0.93	-	3.6	-	0.87
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.67	-	2.3	-	0.66
Chrysene	mg/kg	0.05	MCERTS	0.58	-	2.0	-	0.76
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.84	-	3.0	-	0.70
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.49	-	1.1	-	0.31
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.62	-	2.3	-	0.35
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.32	-	1.2	-	0.19
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	0.34	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.45	-	1.3	-	0.24

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132639	1132640	1132641	1132642	1132643
Sample Reference				TP105	TP/SA106	BH110	DS145	DS122
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.50	0.30	0.40
Date Sampled				14/01/2019	14/01/2019	11/01/2019	10/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	6.79	-	24.2	-	6.62

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132639	1132640	1132641	1132642	1132643
Sample Reference				TP105	TP/SA106	BH110	DS145	DS122
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.50	0.30	0.40
Date Sampled				14/01/2019	14/01/2019	11/01/2019	10/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	38	-	32	-	57
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.6	-	1.1	-	0.4
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	-	< 1.2	-	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	47	-	52	-	40
Copper (aqua regia extractable)	mg/kg	1	MCERTS	1700	-	520	-	2300
Lead (aqua regia extractable)	mg/kg	1	MCERTS	630	-	510	-	460
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	1.2	-	< 0.3	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	53	-	67	-	97
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	490	-	510	-	500
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	1.8	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	5.2	-	3.4
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	20	-	23	-	35
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	220	-	160	-	140
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	240	-	190	-	180
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-	< 2.0	-	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	-	24	-	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	73	-	66	-	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	80	-	90	-	< 10

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132639	1132640	1132641	1132642	1132643
Sample Reference				TP105	TP/SA106	BH110	DS145	DS122
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.50	0.30	0.40
Date Sampled				14/01/2019	14/01/2019	11/01/2019	10/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chloroethane	mg/kg	0.001	NONE	-	-	-	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	-	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
Benzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Toluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
Styrene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tribromomethane	mg/kg	0.001	NONE	-	-	-	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132639	1132640	1132641	1132642	1132643
Sample Reference				TP105	TP/SA106	BH110	DS145	DS122
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.50	0.30	0.40
Date Sampled				14/01/2019	14/01/2019	11/01/2019	10/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132639	1132640	1132641	1132642	1132643
Sample Reference				TP105	TP/SA106	BH110	DS145	DS122
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.50	0.30	0.40
Date Sampled				14/01/2019	14/01/2019	11/01/2019	10/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132639	1132640	1132641	1132642	1132643
Sample Reference				TP105	TP/SA106	BH110	DS145	DS122
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.50	0.30	0.40
Date Sampled				14/01/2019	14/01/2019	11/01/2019	10/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132639	1132640	1132641	1132642	1132643
Sample Reference				TP105	TP/SA106	BH110	DS145	DS122
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.50	0.30	0.40
Date Sampled				14/01/2019	14/01/2019	11/01/2019	10/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132639	1132640	1132641	1132642	1132643
Sample Reference				TP105	TP/SA106	BH110	DS145	DS122
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.20	0.50	0.30	0.40
Date Sampled				14/01/2019	14/01/2019	11/01/2019	10/01/2019	14/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	< 0.001
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	< 0.001
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	< 0.012

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132644	1132645	1132646	1132647	1132648
Sample Reference				DS124	DS128	DS118	DS120	TP/SA113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	0.30	0.10	0.20	2.70
Date Sampled				14/01/2019	14/01/2019	15/01/2019	15/01/2019	15/01/2019
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
Moisture Content	%	N/A	NONE	21	21	-	-	8.6
Total mass of sample received	kg	0.001	NONE	1.2	1.0	-	-	1.5
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	Chrysotile - Loose Fibres	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	Detected	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	-	8.3	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	170	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.086	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	86.3	-	-	-
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-
Organic Matter	%	0.1	MCERTS	-	-	-	-	-
Phenols by GC-MS								
Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	1.1	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	0.71	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	0.23	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	1.6	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	17	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	4.4	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	19	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	16	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	11	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	8.7	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	15	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	6.5	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	15	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	8.0	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	2.1	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	7.9	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132644	1132645	1132646	1132647	1132648
Sample Reference				DS124	DS128	DS118	DS120	TP/SA113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	0.30	0.10	0.20	2.70
Date Sampled				14/01/2019	14/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	134	-	-	-

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Lab Sample Number				1132644	1132645	1132646	1132647	1132648
Sample Reference				DS124	DS128	DS118	DS120	TP/SA113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	0.30	0.10	0.20	2.70
Date Sampled				14/01/2019	14/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	27	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	< 0.2	-	-	-
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	< 1.2	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	35	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	630	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	290	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	-	< 0.3	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	-	58	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	240	-	-	-
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	0.084	< 0.001	-	-	71
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	6.5	< 1.0	-	-	6.1
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	100	< 2.0	-	-	220
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	240	< 8.0	-	-	230
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	240	35	-	-	180
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	590	40	-	-	710
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	0.18
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	2.5	5.8	-	-	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	71	24	-	-	200
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	180	130	-	-	150
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	190	250	-	-	130
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	450	410	-	-	480

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132644	1132645	1132646	1132647	1132648
Sample Reference				DS124	DS128	DS118	DS120	TP/SA113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	0.30	0.10	0.20	2.70
Date Sampled				14/01/2019	14/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
Chloroethane	mg/kg	0.001	NONE	< 0.0010	-	-	-	< 0.0010
Bromomethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
Vinyl Chloride	mg/kg	0.001	NONE	< 0.0010	-	-	-	< 0.0010
Trichlorofluoromethane	mg/kg	0.001	NONE	< 0.0010	-	-	-	< 0.0010
1,1-Dichloroethene	mg/kg	0.001	NONE	< 0.0010	-	-	-	< 0.0010
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,1-Dichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
2,2-Dichloropropane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Trichloromethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,2-Dichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,1-Dichloropropene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	< 0.0010	-	-	-	< 0.0010
Benzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Tetrachloromethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,2-Dichloropropane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Trichloroethene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Dibromomethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Bromodichloromethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
Toluene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
Dibromochloromethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
Tetrachloroethene	mg/kg	0.001	NONE	< 0.0010	-	-	-	< 0.0010
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
Chlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
p & m-Xylene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Styrene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Tribromomethane	mg/kg	0.001	NONE	< 0.0010	-	-	-	< 0.0010
o-Xylene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Isopropylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Bromobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
n-Propylbenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	0.18
2-Chlorotoluene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
4-Chlorotoluene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
tert-Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	0.11
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
sec-Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	0.37
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	0.54
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
Hexachlorobutadiene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	< 0.0010
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	< 0.0010

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Lab Sample Number				1132644	1132645	1132646	1132647	1132648
Sample Reference				DS124	DS128	DS118	DS120	TP/SA113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	0.30	0.10	0.20	2.70
Date Sampled				14/01/2019	14/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	Tetradecane	-	-	-	Benzene, 1-ethyl-2,3-dimethyl-
VOC % Match	%	N/A	NONE	95	-	-	-	96
VOCs TICs Compound Name		N/A	NONE	Tridecane	-	-	-	trans-Decalin, 2-methyl-
VOC % Match	%	N/A	NONE	94	-	-	-	95
VOCs TICs Compound Name		N/A	NONE	Undecane	-	-	-	Octane, 2,6-dimethyl-
VOC % Match	%	N/A	NONE	90	-	-	-	94
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	cis-1-Ethyl-3-methyl-cyclohexane
VOC % Match	%	N/A	NONE	-	-	-	-	91
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	3-Penten-2-one, 4-phenyl-
VOC % Match	%	N/A	NONE	-	-	-	-	90
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	0.30	0.10	0.20	2.70
Date Sampled				14/01/2019	14/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	< 0.1	-	-	-	< 0.1
Phenol	mg/kg	0.2	ISO 17025	< 0.2	-	-	-	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	-	-	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	-	-	-	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	-	-	-	< 0.2
Isophorone	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	-	-	-	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	-	-	-	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	-	-	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	-	-	-	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	-	-	-	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	< 0.1
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	0.18	-	-	-	< 0.05
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	-	-	-	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
Fluorene	mg/kg	0.05	MCERTS	0.38	-	-	-	< 0.05
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
Phenanthrene	mg/kg	0.05	MCERTS	1.2	-	-	-	0.50
Anthracene	mg/kg	0.05	MCERTS	0.34	-	-	-	< 0.05
Carbazole	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	-	-	< 0.2
Anthraquinone	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
Fluoranthene	mg/kg	0.05	MCERTS	0.64	-	-	-	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.65	-	-	-	< 0.05
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	-	-	-	< 0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.44	-	-	-	< 0.05
Chrysene	mg/kg	0.05	MCERTS	0.29	-	-	-	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.50	-	-	-	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.22	-	-	-	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.43	-	-	-	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.21	-	-	-	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.28	-	-	-	< 0.05

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1132644	1132645	1132646	1132647	1132648
Sample Reference				DS124	DS128	DS118	DS120	TP/SA113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	0.30	0.10	0.20	2.70
Date Sampled				14/01/2019	14/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 1,6,7-trimethyl-	-	-	-	Naphthalene, 1,4,6-trimethyl-
SVOC % Match	%	N/A	NONE	96	-	-	-	98
SVOCs TICs Compound Name		N/A	NONE	Pentadecane	-	-	-	Naphthalene, 1,6,7-trimethyl-
SVOC % Match	%	N/A	NONE	96	-	-	-	98
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 1,6-dimethyl-	-	-	-	Naphthalene, 2,7-dimethyl-
SVOC % Match	%	N/A	NONE	94	-	-	-	97
SVOCs TICs Compound Name		N/A	NONE	Heptadecane, 2,6,10,15-tetramethyl-	-	-	-	Dibenzothiophene, 3-methyl-
SVOC % Match	%	N/A	NONE	93	-	-	-	97
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, 2,7-dimethyl-	-	-	-	Naphthalene, 1-methyl-
SVOC % Match	%	N/A	NONE	93	-	-	-	95
SVOCs TICs Compound Name		N/A	NONE	Hexadecane	-	-	-	2-Bromo dodecane
SVOC % Match	%	N/A	NONE	93	-	-	-	95
SVOCs TICs Compound Name		N/A	NONE	Nonadecane	-	-	-	Naphtho[2,3-b]thiophene, 4,9-dimethyl-
SVOC % Match	%	N/A	NONE	93	-	-	-	95
SVOCs TICs Compound Name		N/A	NONE	1,2-Benzisothiazole, 3-(hexahydro-1H-azepin-1-yl)-, 1,1-dioxide	-	-	-	2,4,6(1H,3H,5H)-Pyrimidinetrione, 1,3-dimethyl-5-(1-methylethyl)-5-(oxiranylmethyl)-
SVOC % Match	%	N/A	NONE	93	-	-	-	93
SVOCs TICs Compound Name		N/A	NONE	Octadecane, 1-chloro-	-	-	-	E-10,13,13-Trimethyl-11-tetradecen-1-ol acetate

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Lab Sample Number				1132644	1132645	1132646	1132647	1132648
Sample Reference				DS124	DS128	DS118	DS120	TP/SA113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	0.30	0.10	0.20	2.70
Date Sampled				14/01/2019	14/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	92	-	-	-	91
SVOCs TICs Compound Name		N/A	NONE	2,5-Furandione, 3-dodecyl-	-	-	-	-
SVOC % Match	%	N/A	NONE	92	-	-	-	-

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Lab Sample Number				1132644	1132645	1132646	1132647	1132648
Sample Reference				DS124	DS128	DS118	DS120	TP/SA113
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.90	0.30	0.10	0.20	2.70
Date Sampled				14/01/2019	14/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132649	1132650	1132651	1132652	1132653
Sample Reference				TP120	TP117	TP110	TP114	TP114
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.70	2.70	0.20	0.30	4.00
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
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	37	< 0.1	-	-	< 0.1
Moisture Content	%	N/A	NONE	8.6	14	-	-	7.8
Total mass of sample received	kg	0.001	NONE	1.3	1.1	-	-	1.4

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile- Loose Fibres	Chrysotile, Amosite- Loose Fibres	Chrysotile- Loose Fibres	Chrysotile & Amosite	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	Detected	Detected	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	0.214	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	0.214	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	10.8	8.2	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	340	150	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.17	0.075	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	172	74.9	-	-	-
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-
Organic Matter	%	0.1	MCERTS	5.5	6.4	-	-	-

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.47	0.41	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	0.24	< 0.05	-	-	-
Fluorene	mg/kg	0.05	MCERTS	0.22	< 0.05	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	1.7	0.81	-	-	-
Anthracene	mg/kg	0.05	MCERTS	0.32	0.21	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	2.2	0.91	-	-	-
Pyrene	mg/kg	0.05	MCERTS	2.0	0.92	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	1.2	0.54	-	-	-
Chrysene	mg/kg	0.05	MCERTS	0.96	0.60	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.3	0.81	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.83	0.27	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.92	0.50	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.47	0.26	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.52	0.40	-	-	-

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Sample Reference				TP120	TP117	TP110	TP114	TP114
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.70	2.70	0.20	0.30	4.00
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	13.4	6.64	-	-	-

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Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	37	39	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	3.9	3.0	-	-	-
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	110	85	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	1500	3700	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	1100	680	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	0.8	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	63	60	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	1700	730	-	-	-
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	59
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	2.2	1.5	-	-	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	4.7	5.8	-	-	6.3
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	39	57	-	-	1100
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	300	670	-	-	560
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	340	730	-	-	1800
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	0.64
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	-	-	6.3
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	2.9	< 2.0	-	-	630
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	41	26	-	-	960
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	190	240	-	-	260
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	230	270	-	-	1900

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Lab Sample Number				1132649	1132650	1132651	1132652	1132653
Sample Reference				TP120	TP117	TP110	TP114	TP114
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.70	2.70	0.20	0.30	4.00
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
Chloroethane	mg/kg	0.001	NONE	-	-	-	-	< 0.0010
Bromomethane	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
Vinyl Chloride	mg/kg	0.001	NONE	-	-	-	-	< 0.0010
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	-	-	< 0.0010
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	-	-	< 0.0010
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Trichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	-	-	< 0.0010
Benzene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Trichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Dibromomethane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
Toluene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
Tetrachloroethene	mg/kg	0.001	NONE	-	-	-	-	< 0.0010
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Styrene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Tribromomethane	mg/kg	0.001	NONE	-	-	-	-	< 0.0010
o-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Bromobenzene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	0.64
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	0.17
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	0.63
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	0.70
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	-	-	< 0.0010
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	< 0.0010

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Lab Sample Number				1132649	1132650	1132651	1132652	1132653
Sample Reference				TP120	TP117	TP110	TP114	TP114
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.70	2.70	0.20	0.30	4.00
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	Benzene, 1-ethyl-2,3-dimethyl-
VOC % Match	%	N/A	NONE	-	-	-	-	95
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	Cyclohexane, 1,1,3-trimethyl-
VOC % Match	%	N/A	NONE	-	-	-	-	94
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	Benzene, 1,2,4,5-tetramethyl-
VOC % Match	%	N/A	NONE	-	-	-	-	94
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	Benzene, 1-methyl-2-(1-methyl-2-propenyl)-
VOC % Match	%	N/A	NONE	-	-	-	-	94
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	Octane, 2,6-dimethyl-
VOC % Match	%	N/A	NONE	-	-	-	-	93
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	Benzene, 1,4-diethyl-
VOC % Match	%	N/A	NONE	-	-	-	-	93
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	Benzene, 4-ethyl-1,2-dimethyl-
VOC % Match	%	N/A	NONE	-	-	-	-	93
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	cis-1-Ethyl-3-methyl-cyclohexane
VOC % Match	%	N/A	NONE	-	-	-	-	91
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	Benzene, 1-methyl-2-(2-propenyl)-
VOC % Match	%	N/A	NONE	-	-	-	-	90
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	< 0.1
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	< 0.2
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	< 0.2
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	< 0.1
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	< 0.1
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	< 0.1
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	< 0.1
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	< 0.3
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	2.0
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	3.5
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	< 0.05
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	< 0.2
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	< 0.3
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	0.51
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	0.79
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	< 0.3
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	0.25
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	0.27
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	0.29
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	0.13
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	0.22
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

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132649	1132650	1132651	1132652	1132653
Sample Reference				TP120	TP117	TP110	TP114	TP114
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.70	2.70	0.20	0.30	4.00
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	Naphthalene, 1,6,7-trimethyl-
SVOC % Match	%	N/A	NONE	-	-	-	-	98
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	Naphthalene, 1,4-dimethyl-
SVOC % Match	%	N/A	NONE	-	-	-	-	97
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	Azulene, 4,6,8-trimethyl-
SVOC % Match	%	N/A	NONE	-	-	-	-	96
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	2,8-Dimethyldibenzo(b,d)thiophene
SVOC % Match	%	N/A	NONE	-	-	-	-	95
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	1-Docosene
SVOC % Match	%	N/A	NONE	-	-	-	-	94
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	Naphthalene, 2,6-dimethyl-
SVOC % Match	%	N/A	NONE	-	-	-	-	93
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	17-Pentatriacontene
SVOC % Match	%	N/A	NONE	-	-	-	-	91
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	1,2-Benzisothiazole, 3-(hexahydro-1H-azepin-1-yl)-, 1,1-dioxide
SVOC % Match	%	N/A	NONE	-	-	-	-	91
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	4-Chlorobenzenesulfonamide, N-methyl-

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Lab Sample Number				1132649	1132650	1132651	1132652	1132653
Sample Reference				TP120	TP117	TP110	TP114	TP114
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.70	2.70	0.20	0.30	4.00
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	91
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1132649	1132650	1132651	1132652	1132653
Sample Reference				TP120	TP117	TP110	TP114	TP114
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.70	2.70	0.20	0.30	4.00
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132654	1132655	1135763	1135764	1135765
Sample Reference				TP119	TP/SA112	DS123a	DS118	DS120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.00	0.50	0.30	0.10	0.20
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
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	20	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	13	7.2	21	9.0	13
Total mass of sample received	kg	0.001	NONE	1.3	0.87	0.91	1.3	1.0

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile- Loose Fibres	Amosite- Loose Fibres	Chrysotile- Loose Fibres	Amosite- Loose Fibres; Loose Fibrous Debris	Chrysotile- Loose Fibres
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	Detected	Detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.4	8.4	7.8	8.5	10.8
Total Cyanide	mg/kg	1	MCERTS	-	-	< 1	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	< 1	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	< 1	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	0.150	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	180	120	190	2400	200
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.088	0.060	0.096	1.2	0.099
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	88.2	59.6	95.8	1210	99.3
Total Sulphur	%	0.005	MCERTS	-	-	0.095	-	-
Organic Matter	%	0.1	MCERTS	6.8	-	-	-	-

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	< 0.2	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	< 0.2	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	< 0.3	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	< 0.3	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	< 0.3	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	< 0.3	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	< 0.1	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	< 1.0	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.40
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	0.70	0.64	0.29	< 0.05	0.45
Anthracene	mg/kg	0.05	MCERTS	0.24	0.17	0.16	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	1.3	1.3	0.75	< 0.05	0.30
Pyrene	mg/kg	0.05	MCERTS	1.4	1.4	1.8	< 0.05	0.33
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.80	1.1	1.3	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	1.1	0.92	1.4	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.3	1.4	3.0	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.56	0.88	0.94	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	1.1	1.3	1.0	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.58	0.76	0.54	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.17	0.22	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.77	0.84	0.53	< 0.05	< 0.05

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132654	1132655	1135763	1135764	1135765
Sample Reference				TP119	TP/SA112	DS123a	DS118	DS120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.00	0.50	0.30	0.10	0.20
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	9.78	10.9	11.8	< 0.80	1.48

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Lab Sample Number				1132654	1132655	1135763	1135764	1135765
Sample Reference				TP119	TP/SA112	DS123a	DS118	DS120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.00	0.50	0.30	0.10	0.20
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	31	33	24	14	17
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	20	6.9	< 0.2	0.6	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	170	46	22	21	20
Copper (aqua regia extractable)	mg/kg	1	MCERTS	1800	1000	300	120	750
Lead (aqua regia extractable)	mg/kg	1	MCERTS	1900	520	290	140	820
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	120	51	85	23	38
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	1600	550	1100	120	120
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	1.2	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	14	8.5	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	100	38	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	640	200	< 8.0	< 8.0	100
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	750	250	< 10	< 10	110
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	1.4	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	12	3.2	4.7	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	65	31	10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	390	130	29	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	470	160	45	< 10	< 10

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Lab Sample Number				1132654	1132655	1135763	1135764	1135765
Sample Reference				TP119	TP/SA112	DS123a	DS118	DS120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.00	0.50	0.30	0.10	0.20
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Chloroethane	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
Benzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Toluene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Styrene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Tribromomethane	mg/kg	0.001	NONE	-	-	< 0.0010	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	< 0.0010	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	< 0.0010	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132654	1132655	1135763	1135764	1135765
Sample Reference				TP119	TP/SA112	DS123a	DS118	DS120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.00	0.50	0.30	0.10	0.20
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	ND	-	-
VOC % Match	%	N/A	NONE	-	-	0	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

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Lab Sample Number				1132654	1132655	1135763	1135764	1135765
Sample Reference				TP119	TP/SA112	DS123a	DS118	DS120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.00	0.50	0.30	0.10	0.20
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	< 0.2	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	< 0.2	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	< 0.1	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	< 0.1	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	< 0.1	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	< 0.3	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	< 0.05	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	0.29	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	0.16	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	< 0.2	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	< 0.3	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	0.75	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	1.8	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	< 0.3	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	1.3	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	1.4	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	3.0	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	0.94	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	1.0	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	0.54	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	0.22	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	0.53	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1132654	1132655	1135763	1135764	1135765
Sample Reference				TP119	TP/SA112	DS123a	DS118	DS120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.00	0.50	0.30	0.10	0.20
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	3,5,6-Trimethyl-p-quinone, 2-(2,5-dioxotetrahydrofuran-3-yl)thio-	-	-
SVOC % Match	%	N/A	NONE	-	-	95	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Dimethyl trans-(2-dodecenyl)succinate	-	-
SVOC % Match	%	N/A	NONE	-	-	94	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Pyrene, 1-methyl-	-	-
SVOC % Match	%	N/A	NONE	-	-	93	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Benzo[e]pyrene	-	-
SVOC % Match	%	N/A	NONE	-	-	93	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Z-11,13-Tetradecadien-1-ol acetate	-	-
SVOC % Match	%	N/A	NONE	-	-	93	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	-	-
SVOC % Match	%	N/A	NONE	-	-	92	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	Pyrene, 2-methyl-	-	-
SVOC % Match	%	N/A	NONE	-	-	91	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	29,30-Dinorgammaceran-3-one, 22-hydroxy-21,21-dimethyl-, (8.alpha.,9.beta.,13.alpha.,14.beta.,17.alpha.,18.beta.,22.alpha.)-	-	-
SVOC % Match	%	N/A	NONE	-	-	90	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Lab Sample Number				1132654	1132655	1135763	1135764	1135765
Sample Reference				TP119	TP/SA112	DS123a	DS118	DS120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.00	0.50	0.30	0.10	0.20
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1132654	1132655	1135763	1135764	1135765
Sample Reference				TP119	TP/SA112	DS123a	DS118	DS120
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				4.00	0.50	0.30	0.10	0.20
Date Sampled				15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	< 0.001	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	< 0.001	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	< 0.012	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1135766	1135767	1136763	1136764	1136765
Sample Reference				DS121	DS109	TP102	DS108	DS110
Sample Number				None Supplied	None Supplied	None Supplied	0.40	0.30
Depth (m)				2.40	0.40	None Supplied	None Supplied	None Supplied
Date Sampled				15/01/2019	15/01/2019	16/01/2019	16/01/2019	16/01/2019
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	26	39	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	9.7	15	15	11	29
Total mass of sample received	kg	0.001	NONE	1.1	1.1	1.1	1.2	0.98
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	Chrysotile, Amosite- Loose Fibres	-	Chrysotile, Amosite- Loose Fibres	-
Asbestos in Soil	Type	N/A	ISO 17025	-	Detected	Not-detected	Detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	-	8.5	7.8	7.8	8.0
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	0.153	0.326	0.171
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	-	100	74	250	150
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	-	0.052	0.037	0.12	0.078
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	-	52.3	37.1	123	77.5
Total Sulphur	%	0.005	MCERTS	-	-	0.067	0.124	0.102
Organic Matter	%	0.1	MCERTS	-	4.1	-	-	-
Phenols by GC-MS								
Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	-	0.25	< 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	0.40	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	0.51	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	-	1.6	5.6	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	-	0.33	1.4	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	-	3.2	10	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	-	3.4	8.6	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	1.8	5.1	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	-	1.5	3.6	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	2.1	5.7	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	0.94	1.7	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	1.6	4.3	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	0.91	2.2	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	0.29	0.44	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	0.92	2.2	< 0.05	< 0.05

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Combined Report : Eastleigh Works

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Lab Sample Number				1135766	1135767	1136763	1136764	1136765
Sample Reference				DS121	DS109	TP102	DS108	DS110
Sample Number				None Supplied	None Supplied	None Supplied	0.40	0.30
Depth (m)				2.40	0.40	None Supplied	None Supplied	None Supplied
Date Sampled				15/01/2019	15/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	-	18.8	51.7	< 0.80	< 0.80

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Lab Sample Number				1135766	1135767	1136763	1136764	1136765
Sample Reference				DS121	DS109	TP102	DS108	DS110
Sample Number				None Supplied	None Supplied	None Supplied	0.40	0.30
Depth (m)				2.40	0.40	None Supplied	None Supplied	None Supplied
Date Sampled				15/01/2019	15/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	-	18	16	54	20
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	-	1.2	1.7	27	0.4
Chromium (hexavalent)	mg/kg	1.2	MCERTS	-	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	-	19	18	23	16
Copper (aqua regia extractable)	mg/kg	1	MCERTS	-	570	650	700	170
Lead (aqua regia extractable)	mg/kg	1	MCERTS	-	420	210	710	90
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	-	40	20	26	57
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	-	890	280	4100	100
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	29	< 2.0	3.2	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	70	< 8.0	17	8.9	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	110	8.9	110	44	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	210	< 10	130	53	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	1.2	1.1	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	16	3.7	7.6	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	45	19	46	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	82	49	77	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	140	72	130	< 10	< 10

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1135766	1135767	1136763	1136764	1136765
Sample Reference				DS121	DS109	TP102	DS108	DS110
Sample Number				None Supplied	None Supplied	None Supplied	0.40	0.30
Depth (m)				2.40	0.40	None Supplied	None Supplied	None Supplied
Date Sampled				15/01/2019	15/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Chloroethane	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
Bromomethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Vinyl Chloride	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Trichloromethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
Benzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Trichloroethene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Dibromomethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Toluene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Tetrachloroethene	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Styrene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Tribromomethane	mg/kg	0.001	NONE	< 0.0010	-	-	-	-
o-Xylene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Bromobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Butylbenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	< 0.0010	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	< 0.0010	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1135766	1135767	1136763	1136764	1136765
Sample Reference				DS121	DS109	TP102	DS108	DS110
Sample Number				None Supplied	None Supplied	None Supplied	0.40	0.30
Depth (m)				2.40	0.40	None Supplied	None Supplied	None Supplied
Date Sampled				15/01/2019	15/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	ND	-	-	-	-
VOC % Match	%	N/A	NONE	0	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1135766	1135767	1136763	1136764	1136765
Sample Reference				DS121	DS109	TP102	DS108	DS110
Sample Number				None Supplied	None Supplied	None Supplied	0.40	0.30
Depth (m)				2.40	0.40	None Supplied	None Supplied	None Supplied
Date Sampled				15/01/2019	15/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	< 0.1	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	< 0.3	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	0.41	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	0.46	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.28	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	0.22	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.24	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.12	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.26	-	-	-	-
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	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1135766	1135767	1136763	1136764	1136765
Sample Reference				DS121	DS109	TP102	DS108	DS110
Sample Number				None Supplied	None Supplied	None Supplied	0.40	0.30
Depth (m)				2.40	0.40	None Supplied	None Supplied	None Supplied
Date Sampled				15/01/2019	15/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	1,4-Benzenediol, 2-[(1,4,4a,5,6,7,8,8a-octahydro-2,5,5,8a-tetramethyl-1-naphthalenyl)methyl]-, [1R-(1.alpha.,4a.beta.,8a.alpha.)]-	-	-	-	-
SVOC % Match	%	N/A	NONE	95	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	-	-	-	-
SVOC % Match	%	N/A	NONE	95	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Hexadecane, 1-chloro-	-	-	-	-
SVOC % Match	%	N/A	NONE	93	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	9-Octadecenamide, (Z)-	-	-	-	-
SVOC % Match	%	N/A	NONE	93	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Pyridine-3-carboxamide, oxime, N-(2-trifluoromethylphenyl)-	-	-	-	-
SVOC % Match	%	N/A	NONE	93	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	Galaxolide 1	-	-	-	-
SVOC % Match	%	N/A	NONE	92	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	1,2-Benzisothiazole, 3-(hexahydro-1H-azepin-1-yl)-, 1,1-dioxide	-	-	-	-
SVOC % Match	%	N/A	NONE	91	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	2-Dodecen-1-yl(-)succinic anhydride	-	-	-	-
SVOC % Match	%	N/A	NONE	91	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Lab Sample Number				1135766	1135767	1136763	1136764	1136765
Sample Reference				DS121	DS109	TP102	DS108	DS110
Sample Number				None Supplied	None Supplied	None Supplied	0.40	0.30
Depth (m)				2.40	0.40	None Supplied	None Supplied	None Supplied
Date Sampled				15/01/2019	15/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1135766	1135767	1136763	1136764	1136765
Sample Reference				DS121	DS109	TP102	DS108	DS110
Sample Number				None Supplied	None Supplied	None Supplied	0.40	0.30
Depth (m)				2.40	0.40	None Supplied	None Supplied	None Supplied
Date Sampled				15/01/2019	15/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1136766	1136767	1136768	1136769	1136770
Sample Reference				DS111	DS116	DS114	BH109	BH106
Sample Number				0.30	0.30	0.30	1.00	0.30
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	17/01/2019	17/01/2019	16/01/2019	17/01/2019
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	%	N/A	NONE	28	21	18	17	30
Total mass of sample received	kg	0.001	NONE	1.0	0.92	1.0	1.3	1.0

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	Chrysotile- Loose Fibres	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Detected	Not-detected	Not-detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.0	8.2	8.2	6.8	7.8
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	0.144	0.134	0.121	0.032	0.286
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	150	110	230	50	310
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.075	0.057	0.11	0.025	0.16
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	75.0	56.6	113	25.1	157
Total Sulphur	%	0.005	MCERTS	0.089	0.116	0.082	0.016	0.173
Organic Matter	%	0.1	MCERTS	-	-	-	-	-

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-

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	1.1	1.7	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.37	0.32	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	3.7	2.8	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	3.3	2.8	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	2.7	1.8	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	2.0	1.4	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	2.5	2.2	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	0.90	0.63	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	1.7	1.2	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	0.89	0.51	< 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	1.0	0.71	< 0.05	< 0.05

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Lab Sample Number				1136766	1136767	1136768	1136769	1136770
Sample Reference				DS111	DS116	DS114	BH109	BH106
Sample Number				0.30	0.30	0.30	1.00	0.30
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	17/01/2019	17/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	20.1	16.1	< 0.80	< 0.80

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Sample Reference				DS111	DS116	DS114	BH109	BH106
Sample Number				0.30	0.30	0.30	1.00	0.30
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	17/01/2019	17/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	19	31	46	7.8	25
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.6	1.0	2.3	< 0.2	< 0.2
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	18	22	40	31	18
Copper (aqua regia extractable)	mg/kg	1	MCERTS	260	850	1200	72	550
Lead (aqua regia extractable)	mg/kg	1	MCERTS	270	370	920	55	190
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	62	69	79	28	56
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	1100	450	570	73	170
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	4.6	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	25	8.5	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	140	160	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	170	170	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	5.7	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	25	16	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	81	52	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	110	70	< 10	< 10

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Lab Sample Number				1136766	1136767	1136768	1136769	1136770
Sample Reference				DS111	DS116	DS114	BH109	BH106
Sample Number				0.30	0.30	0.30	1.00	0.30
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	17/01/2019	17/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chloroethane	mg/kg	0.001	NONE	-	-	-	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	-	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
Benzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Toluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
Styrene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tribromomethane	mg/kg	0.001	NONE	-	-	-	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-

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Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	17/01/2019	17/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1136766	1136767	1136768	1136769	1136770
Sample Reference				DS111	DS116	DS114	BH109	BH106
Sample Number				0.30	0.30	0.30	1.00	0.30
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	17/01/2019	17/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1136766	1136767	1136768	1136769	1136770
Sample Reference				DS111	DS116	DS114	BH109	BH106
Sample Number				0.30	0.30	0.30	1.00	0.30
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	17/01/2019	17/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

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Lab Sample Number				1136766	1136767	1136768	1136769	1136770
Sample Reference				DS111	DS116	DS114	BH109	BH106
Sample Number				0.30	0.30	0.30	1.00	0.30
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	17/01/2019	17/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139197	1139198	1139199	1139200	1139201
Sample Reference				TP104	TP121	TP123	TP125	TP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
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	%	N/A	NONE	10	10	10	9.5	16
Total mass of sample received	kg	0.001	NONE	1.2	1.1	1.1	1.1	1.3

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile- Loose Fibres, Loose Fibrous Debris	Chrysotile- Loose Fibres	Chrysotile, Amosite- Loose Fibres	Amosite- Loose Fibres	Chrysotile, Crocidolite- Loose Fibres
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	Detected	Detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.5	8.3	8.8	9.2	8.6
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	32	930	100	220	42
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.016	0.47	0.050	0.11	0.021
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	16.1	467	49.8	109	21.2
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-
Organic Matter	%	0.1	MCERTS	-	-	-	-	-

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	0.76	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	0.34	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	0.22	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	0.23	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.40	2.9	0.43	0.90	0.46
Anthracene	mg/kg	0.05	MCERTS	< 0.05	0.74	0.17	0.57	0.10
Fluoranthene	mg/kg	0.05	MCERTS	0.73	4.9	1.1	2.2	0.89
Pyrene	mg/kg	0.05	MCERTS	0.55	4.0	0.99	2.2	0.93
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.21	2.0	0.55	1.2	0.59
Chrysene	mg/kg	0.05	MCERTS	0.42	2.0	0.54	1.2	0.44
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.45	2.3	0.66	1.8	0.70
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.21	1.3	0.41	0.80	0.30
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.32	2.1	0.51	1.4	0.59
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.20	1.1	0.27	0.69	0.27
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	0.29	< 0.05	0.20	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.25	1.3	0.36	0.89	0.37

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139197	1139198	1139199	1139200	1139201
Sample Reference				TP104	TP121	TP123	TP125	TP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	3.74	25.9	6.03	14.3	5.64

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Lab Sample Number				1139197	1139198	1139199	1139200	1139201
Sample Reference				TP104	TP121	TP123	TP125	TP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	13	37	21	16	21
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	2.0	1.0	1.7	2.2	1.9
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	14	47	37	26	81
Copper (aqua regia extractable)	mg/kg	1	MCERTS	120	910	1400	320	1900
Lead (aqua regia extractable)	mg/kg	1	MCERTS	190	610	460	160	910
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	17	87	46	29	66
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	200	220	300	190	9100
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	1.9	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	4.8	< 2.0	5.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	8.7	22	12	19
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	84	130	85	130
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	92	150	98	160
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	2.7	< 2.0	5.2	2.1
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	12	26	< 10	24	23
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	31	62	26	79	91
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	42	90	32	110	120

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Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139197	1139198	1139199	1139200	1139201
Sample Reference				TP104	TP121	TP123	TP125	TP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chloroethane	mg/kg	0.001	NONE	-	-	-	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	-	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
Benzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Toluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
Styrene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tribromomethane	mg/kg	0.001	NONE	-	-	-	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-

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Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139197	1139198	1139199	1139200	1139201
Sample Reference				TP104	TP121	TP123	TP125	TP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139197	1139198	1139199	1139200	1139201
Sample Reference				TP104	TP121	TP123	TP125	TP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139197	1139198	1139199	1139200	1139201
Sample Reference				TP104	TP121	TP123	TP125	TP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

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Lab Sample Number				1139197	1139198	1139199	1139200	1139201
Sample Reference				TP104	TP121	TP123	TP125	TP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1139197	1139198	1139199	1139200	1139201
Sample Reference				TP104	TP121	TP123	TP125	TP127
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1139202	1139203	1139204	1139205	1139206
Sample Reference				DS143a	DS143a	DS144a	DS142	DS106
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	3.80	3.80	2.90	0.20
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	17/01/2019
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	25	< 0.1
Moisture Content	%	N/A	NONE	14	7.3	7.2	9.5	19
Total mass of sample received	kg	0.001	NONE	0.93	1.3	1.3	1.1	0.43

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Amosite- Loose Fibres; Chrysotile- Loose Fibres, Loose Fibrous Debris	-	-	-	Chrysotile- Loose Fibrous Debris
Asbestos in Soil	Type	N/A	ISO 17025	Detected	-	-	-	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.0	-	-	-	8.4
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	200	-	-	-	310
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.10	-	-	-	0.16
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	101	-	-	-	156
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-
Organic Matter	%	0.1	MCERTS	-	-	-	-	-

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	0.31	-	-	-	0.25
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	-	0.20
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	1.0	-	-	-	0.67
Anthracene	mg/kg	0.05	MCERTS	0.24	-	-	-	0.24
Fluoranthene	mg/kg	0.05	MCERTS	1.1	-	-	-	1.6
Pyrene	mg/kg	0.05	MCERTS	1.1	-	-	-	1.6
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.63	-	-	-	0.77
Chrysene	mg/kg	0.05	MCERTS	0.94	-	-	-	1.2
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.0	-	-	-	1.4
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.70	-	-	-	0.52
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.95	-	-	-	0.92
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.68	-	-	-	0.54
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.22	-	-	-	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.90	-	-	-	0.56

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1139202	1139203	1139204	1139205	1139206
Sample Reference				DS143a	DS143a	DS144a	DS142	DS106
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	3.80	3.80	2.90	0.20
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	9.80	-	-	-	10.5

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Lab Sample Number				1139202	1139203	1139204	1139205	1139206
Sample Reference				DS143a	DS143a	DS144a	DS142	DS106
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	3.80	3.80	2.90	0.20
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	41	-	-	-	25
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.7	-	-	-	1.1
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	-	-	-	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	34	-	-	-	27
Copper (aqua regia extractable)	mg/kg	1	MCERTS	920	-	-	-	360
Lead (aqua regia extractable)	mg/kg	1	MCERTS	590	-	-	-	400
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	-	-	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	42	-	-	-	62
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	310	-	-	-	310
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	170	10	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	3.9	160	15	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	10	980	980	8.1	5.2
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	26	990	2400	57	15
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	160	590	1200	13	100
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	200	2900	4600	78	120
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	2.5	8.0	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	140	23	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	4.2	1100	970	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	21	1100	1900	< 10	16
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	86	470	520	< 10	22
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	110	2900	3400	< 10	38

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Lab Sample Number				1139202	1139203	1139204	1139205	1139206
Sample Reference				DS143a	DS143a	DS144a	DS142	DS106
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	3.80	3.80	2.90	0.20
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
Chloroethane	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	< 0.0010	-
Bromomethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
Vinyl Chloride	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	< 0.0010	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	< 0.0010	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	< 0.0010	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Trichloromethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	< 0.0010	-
Benzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Trichloroethene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Dibromomethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
Toluene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
Tetrachloroethene	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	< 0.0010	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Styrene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Tribromomethane	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	< 0.0010	-
o-Xylene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	0.72	< 0.0010	< 0.0010	-
Bromobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	1.8	0.32	< 0.0010	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	0.84	< 0.0010	< 0.0010	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	7.6	< 0.0010	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	2.8	1.1	< 0.0010	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Butylbenzene	mg/kg	0.001	MCERTS	-	3.7	1.8	< 0.0010	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	< 0.0010	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	< 0.0010	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139202	1139203	1139204	1139205	1139206
Sample Reference				DS143a	DS143a	DS144a	DS142	DS106
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	3.80	3.80	2.90	0.20
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	Benzene, 1,2,4,5-tetramethyl-	Benzene, 1,2,4,5-tetramethyl-	Naphthalene, 1-methyl-	-
VOC % Match	%	N/A	NONE	-	96	97	93	-
VOCs TICs Compound Name		N/A	NONE	-	Octane, 2,6-dimethyl-	Benzene, 1,2-diethyl-	-	-
VOC % Match	%	N/A	NONE	-	94	95	-	-
VOCs TICs Compound Name		N/A	NONE	-	Benzene, 4-ethyl-1,2-dimethyl-	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-5-methylene-	-	-
VOC % Match	%	N/A	NONE	-	93	94	-	-
VOCs TICs Compound Name		N/A	NONE	-	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-5-methylene-	Octane, 2,6-dimethyl-	-	-
VOC % Match	%	N/A	NONE	-	92	93	-	-
VOCs TICs Compound Name		N/A	NONE	-	1-Ethyl-3-methylcyclohexane (c,t)	Benzene, 1-ethyl-2,3-dimethyl-	-	-
VOC % Match	%	N/A	NONE	-	91	93	-	-
VOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1,2,3,4-tetrahydro-5-methyl-	-	-	-
VOC % Match	%	N/A	NONE	-	90	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139202	1139203	1139204	1139205	1139206
Sample Reference				DS143a	DS143a	DS144a	DS142	DS106
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	3.80	3.80	2.90	0.20
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	-
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	< 0.2	< 0.2	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	< 0.2	< 0.2	-
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	< 0.1	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	11	3.7	< 0.1	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	< 0.1	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	< 0.3	< 0.3	< 0.3	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Fluorene	mg/kg	0.05	MCERTS	-	2.0	2.9	< 0.05	-
Azobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Phenanthrene	mg/kg	0.05	MCERTS	-	3.6	5.5	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	< 0.2	-
Anthraquinone	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	< 0.3	-
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	< 0.3	< 0.3	< 0.3	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	< 0.05	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139202	1139203	1139204	1139205	1139206
Sample Reference				DS143a	DS143a	DS144a	DS142	DS106
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	3.80	3.80	2.90	0.20
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 2,3,6-trimethyl-	Naphthalene, 2,3,6-trimethyl-	ND	-
SVOC % Match	%	N/A	NONE	-	98	98	0	-
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1,6-dimethyl-	Naphthalene, 1,4-dimethyl-	-	-
SVOC % Match	%	N/A	NONE	-	96	97	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1,6,7-trimethyl-	Naphthalene, 1,4,6-trimethyl-	-	-
SVOC % Match	%	N/A	NONE	-	96	97	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Cyclohexane-1,3-dione, 2-allylaminomethylene-5,5-dimethyl-	Hexadecane, 2,6,10,14-tetramethyl-	-	-
SVOC % Match	%	N/A	NONE	-	96	96	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Cyclooctacosane	Naphthalene, 2,7-dimethyl-	-	-
SVOC % Match	%	N/A	NONE	-	95	95	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1,4-dimethyl-	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	-	-
SVOC % Match	%	N/A	NONE	-	95	94	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Cyclopentadecane	Naphthalene, 1-ethyl-	-	-
SVOC % Match	%	N/A	NONE	-	95	93	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	1,4,5,8-Tetramethylnaphthalene	-	-
SVOC % Match	%	N/A	NONE	-	95	93	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Benzene, 1-methyl-2-(1-methylethyl)-	Phenanthrene, 1-methyl-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139202	1139203	1139204	1139205	1139206
Sample Reference				DS143a	DS143a	DS144a	DS142	DS106
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	3.80	3.80	2.90	0.20
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	94	93	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1-ethyl-	Pyrazine, 2,3-dihydro-5,6-di-2-pyridinyl-	-	-
SVOC % Match	%	N/A	NONE	-	94	93	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139202	1139203	1139204	1139205	1139206
Sample Reference				DS143a	DS143a	DS144a	DS142	DS106
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	3.80	3.80	2.90	0.20
Date Sampled				16/01/2019	16/01/2019	16/01/2019	16/01/2019	17/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139207	1139208	1142294	1142295	1144048
Sample Reference				BH111	BH111	BH105	BH107	TT1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	ES1
Depth (m)				1.00	5.00	3.00	0.40	None Supplied
Date Sampled				17/01/2019	17/01/2019	14/01/2019	14/01/2019	29/01/2019
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	9.5	< 0.1	31
Moisture Content	%	N/A	NONE	13	8.2	4.6	21	13
Total mass of sample received	kg	0.001	NONE	1.4	1.4	2.0	0.47	1.2
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile- Loose Fibres, Loose Fibrous Debris; Amosite- Loose Fibres, Loose Fibrous Debris	-	-	Chrysotile, Amosite- Loose Fibres	Chrysotile, Crocidolite- Loose Fibrous Debris
Asbestos in Soil	Type	N/A	ISO 17025	Detected	-	-	Detected	Detected
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	9.4	-	-	8.4	8.6
Total Cyanide	mg/kg	1	MCERTS	-	-	-	< 1	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	< 1	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	< 1	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	260	-	-	470	180
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.13	-	-	0.24	0.091
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	131	-	-	237	91.0
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-
Organic Matter	%	0.1	MCERTS	-	-	-	-	-
Phenols by GC-MS								
Phenol	mg/kg	0.2	NONE	-	-	-	< 0.2	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	< 0.2	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	< 0.1	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	< 0.3	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	< 0.1	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	< 0.2	-
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	< 1.0	-
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	0.28	-	-	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	0.76	-	-	< 0.05	0.55
Anthracene	mg/kg	0.05	MCERTS	0.18	-	-	< 0.05	0.15
Fluoranthene	mg/kg	0.05	MCERTS	1.3	-	-	< 0.05	0.92
Pyrene	mg/kg	0.05	MCERTS	1.1	-	-	< 0.05	1.2
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.56	-	-	< 0.05	0.67
Chrysene	mg/kg	0.05	MCERTS	0.66	-	-	< 0.05	0.66
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	0.81	-	-	< 0.05	1.2
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.59	-	-	< 0.05	0.32
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.71	-	-	< 0.05	0.75
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.54	-	-	< 0.05	0.46
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-	-	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.57	-	-	< 0.05	0.72

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Combined Report : Eastleigh Works

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Your Order No: DS43408

Lab Sample Number				1139207	1139208	1142294	1142295	1144048
Sample Reference				BH111	BH111	BH105	BH107	TT1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	ES1
Depth (m)				1.00	5.00	3.00	0.40	None Supplied
Date Sampled				17/01/2019	17/01/2019	14/01/2019	14/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	8.06	-	-	< 0.80	7.52

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Date Sampled				17/01/2019	17/01/2019	14/01/2019	14/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	24	-	-	16	37
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.8	-	-	< 0.2	3.6
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	-	-	< 1.2	< 1.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	38	-	-	17	49
Copper (aqua regia extractable)	mg/kg	1	MCERTS	1100	-	-	150	1800
Lead (aqua regia extractable)	mg/kg	1	MCERTS	1000	-	-	93	810
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-	-	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	38	-	-	56	56
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	570	-	-	71	710
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	4.0	20	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	44	77	< 8.0	< 8.0	8.5
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	240	45	< 8.0	< 8.0	95
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	290	140	< 10	< 10	100
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	24	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	25	64	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	110	11	< 10	< 10	22
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	140	98	< 10	< 10	26

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Lab Sample Number				1139207	1139208	1142294	1142295	1144048
Sample Reference				BH111	BH111	BH105	BH107	TT1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	ES1
Depth (m)				1.00	5.00	3.00	0.40	None Supplied
Date Sampled				17/01/2019	17/01/2019	14/01/2019	14/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
Chloroethane	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	-
Benzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
Toluene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Styrene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Tribromomethane	mg/kg	0.001	NONE	-	< 0.0010	< 0.0010	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	< 0.0010	< 0.0010	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	< 0.0010	< 0.0010	-	-

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Combined Report : Eastleigh Works

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Lab Sample Number				1139207	1139208	1142294	1142295	1144048
Sample Reference				BH111	BH111	BH105	BH107	TT1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	ES1
Depth (m)				1.00	5.00	3.00	0.40	None Supplied
Date Sampled				17/01/2019	17/01/2019	14/01/2019	14/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	Dodecane, 2,6,10-trimethyl-	ND	-	-
VOC % Match	%	N/A	NONE	-	93	0	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	-	-
Phenol	mg/kg	0.2	ISO 17025	-	< 0.2	< 0.2	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	< 0.2	< 0.2	-	-
Isophorone	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	< 0.1	< 0.1	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	< 0.1	< 0.1	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	< 0.1	< 0.1	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	< 0.1	< 0.1	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	< 0.3	< 0.3	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
Fluorene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
Anthracene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
Carbazole	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	< 0.2	< 0.2	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	< 0.3	< 0.3	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
Pyrene	mg/kg	0.05	MCERTS	-	< 0.05	< 0.05	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	< 0.3	< 0.3	-	-
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	MCERTS	-	< 0.05	< 0.05	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	< 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	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139207	1139208	1142294	1142295	1144048
Sample Reference				BH111	BH111	BH105	BH107	TT1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	ES1
Depth (m)				1.00	5.00	3.00	0.40	None Supplied
Date Sampled				17/01/2019	17/01/2019	14/01/2019	14/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	2-Ethylacridine	ND	-	-
SVOC % Match	%	N/A	NONE	-	91	0	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Antra-9,10-quinone, 1-(3-hydrohy-3-phenyl-1-triazenyl)-	-	-	-
SVOC % Match	%	N/A	NONE	-	91	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Pentadecane, 2,6,10,14-tetramethyl-	-	-	-
SVOC % Match	%	N/A	NONE	-	90	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Eicosane	-	-	-
SVOC % Match	%	N/A	NONE	-	90	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1139207	1139208	1142294	1142295	1144048
Sample Reference				BH111	BH111	BH105	BH107	TT1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	ES1
Depth (m)				1.00	5.00	3.00	0.40	None Supplied
Date Sampled				17/01/2019	17/01/2019	14/01/2019	14/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

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Lab Sample Number				1139207	1139208	1142294	1142295	1144048
Sample Reference				BH111	BH111	BH105	BH107	TT1
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	ES1
Depth (m)				1.00	5.00	3.00	0.40	None Supplied
Date Sampled				17/01/2019	17/01/2019	14/01/2019	14/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1144049	1144050	1144963	1144964	1144965
Sample Reference				TT2	TT3	TT1	TT2	TT3
Sample Number				ES2	ES2	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019
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	%	N/A	NONE	13	15	12	14	14
Total mass of sample received	kg	0.001	NONE	1.4	1.2	0.55	0.55	0.55

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile, Amosite- Loose Fibrous Debris, Loose Fibres	Chrysotile, Amosite- Loose Fibrous Debris	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	Detected	-	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-	-

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.9	8.3	-	-	-
Total Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Complex Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Free Cyanide	mg/kg	1	MCERTS	-	-	-	-	-
Total Sulphate as SO_4	%	0.005	MCERTS	-	-	-	-	-
Water Soluble Sulphate as SO_4 16hr extraction (2:1)	mg/kg	2.5	MCERTS	3600	210	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	1.8	0.10	-	-	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	1820	105	-	-	-
Total Sulphur	%	0.005	MCERTS	-	-	-	-	-
Organic Matter	%	0.1	MCERTS	-	-	3.8	3.9	5.2

Phenols by GC-MS

Phenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	NONE	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	NONE	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	NONE	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	NONE	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	ISO 17025	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	MCERTS	-	-	-	-	-

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	-	-	-	-	-
Total Phenols (GC-MS)	mg/kg	1	NONE	-	-	-	-	-

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	0.56	0.42	-	-	-
Anthracene	mg/kg	0.05	MCERTS	0.16	0.13	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	1.0	0.76	-	-	-
Pyrene	mg/kg	0.05	MCERTS	1.0	0.97	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	0.57	0.55	-	-	-
Chrysene	mg/kg	0.05	MCERTS	0.64	0.60	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	1.0	0.87	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	0.31	0.38	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	0.62	0.47	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	0.34	0.32	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	0.47	0.38	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1144049	1144050	1144963	1144964	1144965
Sample Reference				TT2	TT3	TT1	TT2	TT3
Sample Number				ES2	ES2	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Total PAH								
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	6.73	5.85	-	-	-

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Lab Sample Number				1144049	1144050	1144963	1144964	1144965
Sample Reference				TT2	TT3	TT1	TT2	TT3
Sample Number				ES2	ES2	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Heavy Metals / Metalloids								
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	35	34	-	-	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.9	2.7	-	-	-
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	< 1.2	-	-	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	48	39	-	-	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	2100	1200	-	-	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	680	900	-	-	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	-	-	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	75	85	-	-	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	670	1900	-	-	-
Monoaromatics & Oxygenates								
Benzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
Toluene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
p & m-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
o-xylene	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	-	-	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	-	-	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	17	< 8.0	-	-	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	240	56	-	-	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	260	65	-	-	-
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	< 0.001	-	-	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	< 1.0	-	-	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	< 2.0	-	-	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	< 10	-	-	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	100	< 10	-	-	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	110	14	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1144049	1144050	1144963	1144964	1144965
Sample Reference				TT2	TT3	TT1	TT2	TT3
Sample Number				ES2	ES2	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chloroethane	mg/kg	0.001	NONE	-	-	-	-	-
Bromomethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Vinyl Chloride	mg/kg	0.001	NONE	-	-	-	-	-
Trichlorofluoromethane	mg/kg	0.001	NONE	-	-	-	-	-
1,1-Dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Cis-1,2-dichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
2,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1-Dichloropropene	mg/kg	0.001	MCERTS	-	-	-	-	-
Trans-1,2-dichloroethene	mg/kg	0.001	NONE	-	-	-	-	-
Benzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tetrachloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dichloropropane	mg/kg	0.001	MCERTS	-	-	-	-	-
Trichloroethene	mg/kg	0.001	MCERTS	-	-	-	-	-
Dibromomethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromodichloromethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Cis-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Trans-1,3-dichloropropene	mg/kg	0.001	ISO 17025	-	-	-	-	-
Toluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2-Trichloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Dibromochloromethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Tetrachloroethene	mg/kg	0.001	NONE	-	-	-	-	-
1,2-Dibromoethane	mg/kg	0.001	ISO 17025	-	-	-	-	-
Chlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,1,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Ethylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
p & m-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
Styrene	mg/kg	0.001	MCERTS	-	-	-	-	-
Tribromomethane	mg/kg	0.001	NONE	-	-	-	-	-
o-Xylene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/kg	0.001	MCERTS	-	-	-	-	-
Isopropylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Bromobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
n-Propylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
2-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
4-Chlorotoluene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
tert-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
sec-Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-
p-Isopropyltoluene	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Butylbenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2-Dibromo-3-chloropropane	mg/kg	0.001	ISO 17025	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.001	MCERTS	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.001	MCERTS	-	-	-	-	-
1,2,3-Trichlorobenzene	mg/kg	0.001	ISO 17025	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
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Lab Sample Number				1144049	1144050	1144963	1144964	1144965
Sample Reference				TT2	TT3	TT1	TT2	TT3
Sample Number				ES2	ES2	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-
VOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
VOC % Match	%	N/A	NONE	-	-	-	-	-

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works
Your Order No: DS43408

Lab Sample Number				1144049	1144050	1144963	1144964	1144965
Sample Reference				TT2	TT3	TT1	TT2	TT3
Sample Number				ES2	ES2	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	mg/kg	0.1	NONE	-	-	-	-	-
Phenol	mg/kg	0.2	ISO 17025	-	-	-	-	-
2-Chlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	-	-	-	-	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	-	-	-	-	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	-	-	-	-	-
2-Methylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Hexachloroethane	mg/kg	0.05	MCERTS	-	-	-	-	-
Nitrobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Methylphenol	mg/kg	0.2	NONE	-	-	-	-	-
Isophorone	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Nitrophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	-	-	-	-	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Naphthalene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	-	-	-	-	-
4-Chloroaniline	mg/kg	0.1	NONE	-	-	-	-	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	-	-	-	-	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	-	-	-	-	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	-	-	-	-	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	-	-	-	-	-
2-Methylnaphthalene	mg/kg	0.1	NONE	-	-	-	-	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	-	-	-	-	-
Dimethylphthalate	mg/kg	0.1	MCERTS	-	-	-	-	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	-	-	-	-	-
Acenaphthylene	mg/kg	0.05	MCERTS	-	-	-	-	-
Acenaphthene	mg/kg	0.05	MCERTS	-	-	-	-	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	-	-	-	-	-
Dibenzofuran	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	-	-	-	-	-
Diethyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
4-Nitroaniline	mg/kg	0.2	MCERTS	-	-	-	-	-
Fluorene	mg/kg	0.05	MCERTS	-	-	-	-	-
Azobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	-	-	-	-	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	-	-	-	-	-
Phenanthrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Carbazole	mg/kg	0.3	MCERTS	-	-	-	-	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	-	-	-	-	-
Anthraquinone	mg/kg	0.3	MCERTS	-	-	-	-	-
Fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	-	-	-	-	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Chrysene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	-	-	-	-	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	-	-	-	-	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	-	-	-	-	-

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Lab Sample Number				1144049	1144050	1144963	1144964	1144965
Sample Reference				TT2	TT3	TT1	TT2	TT3
Sample Number				ES2	ES2	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-

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Lab Sample Number				1144049	1144050	1144963	1144964	1144965
Sample Reference				TT2	TT3	TT1	TT2	TT3
Sample Number				ES2	ES2	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOC % Match	%	N/A	NONE	-	-	-	-	-
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	-
SVOC % Match	%	N/A	NONE	-	-	-	-	-

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Lab Sample Number				1144049	1144050	1144963	1144964	1144965
Sample Reference				TT2	TT3	TT1	TT2	TT3
Sample Number				ES2	ES2	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs								
PCB Congener 077	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 081	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 105	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 114	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 118	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 123	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 126	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 156	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 157	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 167	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 169	mg/kg	0.001	NONE	-	-	-	-	-
PCB Congener 189	mg/kg	0.001	NONE	-	-	-	-	-
Total PCBs	mg/kg	0.012	NONE	-	-	-	-	-

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Combined Report **Eastleigh Works**
Project / Site name: **Eastleigh Works**
Your Order No: **DS43408**

Certificate of Analysis - Asbestos Quantification

Methods:

Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

Quantitative Analysis

The analysis was carried out using our documented in-house method A006 based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
1132639	TP105	0.20	126	Loose Fibres	**Chrysotile & Amosite & Crocidolite**	0.006	**0.006**
1132652	TP114	0.30	117	Loose Fibres & Loose Fibrous Debris	**Chrysotile & Amosite**	0.214	**0.214**

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.

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Project / Site name: Eastleigh Works

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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 *
1129791	DS103	None Supplied	0.20	Brown clay and sand with gravel.
1129792	DS102a	None Supplied	1.50	Black gravelly sand.
1129793	DS102a	None Supplied	4.70	Light brown sandy clay with gravel.
1129794	DS101	None Supplied	0.10	-
1129795	DS101	None Supplied	0.60	Light brown sandy clay with gravel.
1129796	DS101	None Supplied	4.80	Light brown clay and sand with gravel.
1129797	DS104	None Supplied	0.50	Light brown clay and sand.
1129798	BH104	None Supplied	0.60	Light brown clay and sand with gravel.
1129799	DS117	None Supplied	0.30	Black gravely sand with clinker.
1129800	DS136	None Supplied	0.30	-
1129801	DS135	None Supplied	0.20	-
1129802	DS135	None Supplied	0.50	Brown sandy loam with clinker and gravel
1129803	DS137	None Supplied	0.70	Brown clay and sand with gravel and brick.
1129804	DS146	None Supplied	0.20	-
1129805	DS146	None Supplied	0.40	Brown clay and loam with gravel and brick.
1129806	DS139	None Supplied	0.50	-
1129807	DS139	None Supplied	1.40	Brown clay and loam with clinker and brick.
1129808	DS139	None Supplied	2.00	-
1129809	DS140	None Supplied	0.60	Brown loam and sand with gravel and rubble.
1129810	DS140	None Supplied	1.40	-
1129811	DS141	None Supplied	0.40	-
1129812	DS141	None Supplied	0.80	Brown clay and loam with vegetation and gravel
1129813	DS133	None Supplied	0.30	Brown loam and sand with brick and gravel
1129814	DS133	None Supplied	1.20	-
1129815	DS149	None Supplied	0.30	Brown loam and sand with gravel and stones.
1129816	DS149	None Supplied	1.30	Brown loam and sand with vegetation and gravel.
1129817	DS132	None Supplied	0.40	Light grey clay.
1129818	DS132	None Supplied	1.10	Brown clay.
1129819	DS134	None Supplied	0.40	Brown sandy loam with gravel and vegetation.
1129820	BH105	None Supplied	0.30	Brown loam and clay with gravel and vegetation.
1132634	DS131	None Supplied	0.30	Brown loam and sand with gravel.
1132635	DS129	None Supplied	0.25	Brown clay and loam with gravel.
1132636	DS126	None Supplied	4.60	Light brown clay and sand with gravel.
1132637	TP111	None Supplied	0.10	-
1132638	TP107	None Supplied	0.30	Brown loam and sand with stones and gravel
1132639	TP105	None Supplied	0.20	Brown loam and clay with gravel.
1132640	TP/SA106	None Supplied	0.20	-
1132641	BH110	None Supplied	0.50	Brown loam and clay with stones and gravel
1132642	DS145	None Supplied	0.30	-
1132643	DS122	None Supplied	0.40	Black sand with gravel.
1132644	DS124	None Supplied	0.90	Grey clay.
1132645	DS128	None Supplied	0.30	Brown sand with clinker and gravel
1132646	DS118	None Supplied	0.10	-
1132647	DS120	None Supplied	0.20	-
1132648	TP/SA113	None Supplied	2.70	Light brown clay and sand with gravel.
1132649	TP120	None Supplied	2.70	Brown clay and sand with stones and gravel
1132650	TP117	None Supplied	2.70	Brown sandy clay with gravel.
1132651	TP110	None Supplied	0.20	-
1132652	TP114	None Supplied	0.30	-
1132653	TP114	None Supplied	4.00	Beige sand with gravel.
1132654	TP119	None Supplied	4.00	Brown loam and sand with gravel and vegetation.
1132655	TP/SA112	None Supplied	0.50	Brown loam and sand with stones and gravel
1135763	DS123a	None Supplied	0.30	Black gravely sad with clinker.
1135764	DS118	None Supplied	0.10	Light brown loam and sand with rubble and gravel.
1135765	DS120	None Supplied	0.20	Brown loam and sand with rubble and gravel
1135766	DS121	None Supplied	2.40	Light brown clay and sand with gravel and stones.
1135767	DS109	None Supplied	0.40	Brown loam and sand with gravel and stones.
1136763	TP102	None Supplied	None Supplied	Brown loam and clay with gravel.
1136764	DS108	0.40	None Supplied	Brown loam and sand with gravel and brick.
1136765	DS110	0.30	None Supplied	Black gravelly loam.
1136766	DS111	0.30	None Supplied	Black gravelly loam.
1136767	DS116	0.30	None Supplied	Black gravelly loam.
1136768	DS114	0.30	None Supplied	Black gravelly loam with rubble.
1136769	BH109	1.00	None Supplied	Light brown clay.
1136770	BH106	0.30	None Supplied	Black gravelly loam.
1139197	TP104	None Supplied	0.50	Brown loam and clay with gravel and vegetation.
1139198	TP121	None Supplied	None Supplied	Brown loam and sand with gravel and clinker

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Combined Report : Eastleigh Works

Project / Site name: Eastleigh Works

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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 *
1139199	TP123	None Supplied	None Supplied	Brown clay and sand with gravel and rubble.
1139200	TP125	None Supplied	None Supplied	Brown loam and sand with gravel and vegetation.
1139201	TP127	None Supplied	None Supplied	Brown loam and sand with gravel and vegetation.
1139202	DS143a	None Supplied	0.20	Brown loam and sand with gravel and clinker
1139203	DS143a	None Supplied	3.80	Light brown sand with gravel.
1139204	DS144a	None Supplied	3.80	Light brown sand with gravel.
1139205	DS142	None Supplied	2.90	Brown clay and sand with gravel and stones.
1139206	DS106	None Supplied	0.20	Brown loam and sand with gravel and clinker
1139207	BH111	None Supplied	1.00	Brown clay and sand with rubble and gravel
1139208	BH111	None Supplied	5.00	Light brown sand with gravel.
1142294	BH105	None Supplied	3.00	Light brown gravelly sand with stones.
1142295	BH107	None Supplied	0.40	Black with clay and gravel with clinker.
1144048	TT1	ES1	None Supplied	Brown loam and sand with gravel and stones.
1144049	TT2	ES2	None Supplied	Brown loam and clay with gravel and vegetation.
1144050	TT3	ES2	None Supplied	Brown loam and clay with gravel and vegetation.
1144963	TT1	None Supplied	None Supplied	Brown loam and sand with gravel and glass.
1144964	TT2	None Supplied	None Supplied	Brown loam and sand with gravel and vegetation.
1144965	TT3	None Supplied	None Supplied	Brown loam and sand with gravel and vegetation.

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Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
Complex Cyanide in soil	Determination of complex cyanide by calculation.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Free cyanide in soil	Determination of free cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L009-PL	D	MCERTS
PCBs WHO 12 in soil	Determination of PCBs (WHO-12 Congeners) by GC-MS.	In-house method based on USEPA 8082	L027-PL	D	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	D	MCERTS
Phenols, speciated, in soil, by GCMS	Determination of speciated phenols in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	NONE
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
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.	In-house method based on USEPA 8270	L064-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
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 based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2:1 water:soil extraction, analysis by ICP-OES.	L038-PL	D	MCERTS

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Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Tentatively identified compounds (SVOC) in soil	Determination of semi-volatile organic compounds total ion count in soil by extraction with dichloromethane and hexane followed by GC-MS followed by a full library scan.	In-house method based on USEPA 8270	L064-PL	D	NONE
Tentatively identified compounds (VOC) in soil	Determination of volatile organic compounds total ion count in soil by headspace GC-MS followed by a full library scan.	In-house method based on USEPA8260	L073-PL	W	NONE
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	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 based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests""	L038	D	MCERTS
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 based on BS1377 Part 3, 1990, and MEWAM 2006 Methods for the Determination of Metals in Soil	L038	D	MCERTS
TPH Chromatogram in Soil	TPH Chromatogram in Soil.	In-house method	L064-PL	D	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

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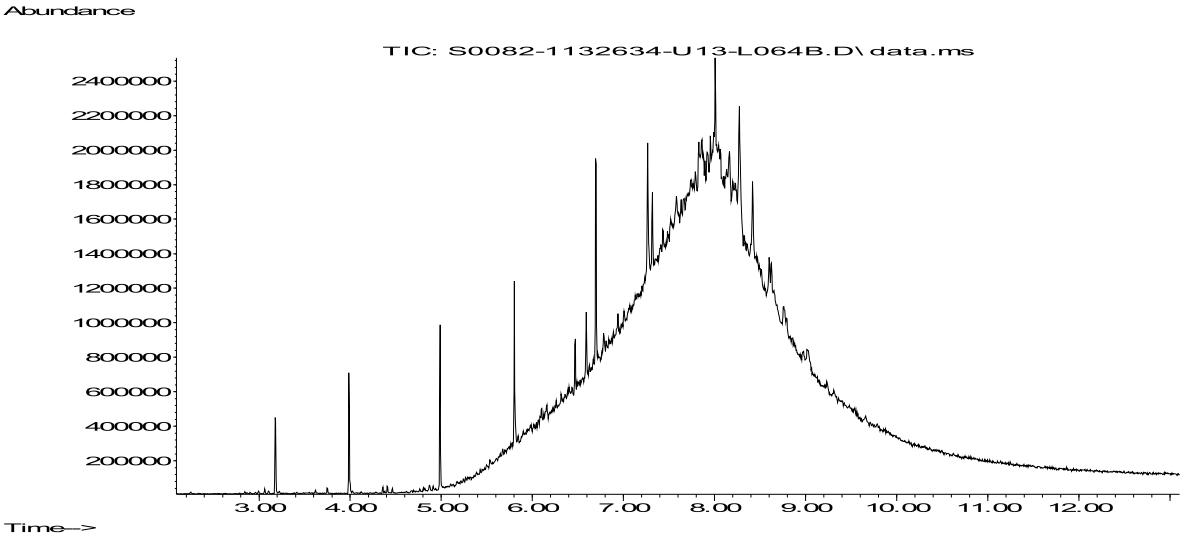
The results included within the report are representative of the samples submitted for analysis.

Sample ID	Other_ID	Sample Type	Job	Sample Number	Sample Deviation Code	test_name	test_ref	Test Deviation code
TP/SA112		S	19-25052	1132655	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
TP/SA112		S	19-25052	1132655	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
TP/SA112		S	19-25052	1132655	b	Speciated EPA-16 PAHs in soil	L064-PL	b
TP/SA112		S	19-25052	1132655	b	TPH Chromatogram in Soil	L064-PL	b
TP/SA112		S	19-25052	1132655	b	TPHCWG (Soil)	L088/76-PL	b

Key: a - No sampling date b - Incorrect container
c - Holding time d - Headspace e - Temperature

Sample ID	Other_ID	Sample Type	Job	Sample Number	Sample Deviation Code	test_name	test_ref	Test Deviation code
BH105		S	19-26619	1142294	bc	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	bc
BH105		S	19-26619	1142294	bc	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	bc
BH105		S	19-26619	1142294	bc	Semi-volatile organic compounds in soil	L064-PL	b
BH105		S	19-26619	1142294	bc	TPH Chromatogram in Soil	L064-PL	b
BH105		S	19-26619	1142294	bc	TPHCWG (Soil)	L088/76-PL	b
BH105		S	19-26619	1142294	bc	Tentatively identified compounds (SVOC) in soil	L064-PL	b
BH105		S	19-26619	1142294	bc	Tentatively identified compounds (VOC) in soil	L073-PL	bc
BH105		S	19-26619	1142294	bc	Volatile organic compounds in soil	L073B-PL	bc
BH107		S	19-26619	1142295	c	Free cyanide in soil	L080-PL	c
BH107		S	19-26619	1142295	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH107		S	19-26619	1142295	c	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	c
BH107		S	19-26619	1142295	c	Complex Cyanide in soil	L080-PL	c
BH107		S	19-26619	1142295	c	Total cyanide in soil	L080-PL	c

Key: a - No sampling date b - Incorrect container
c - Holding time d - Headspace e - Temperature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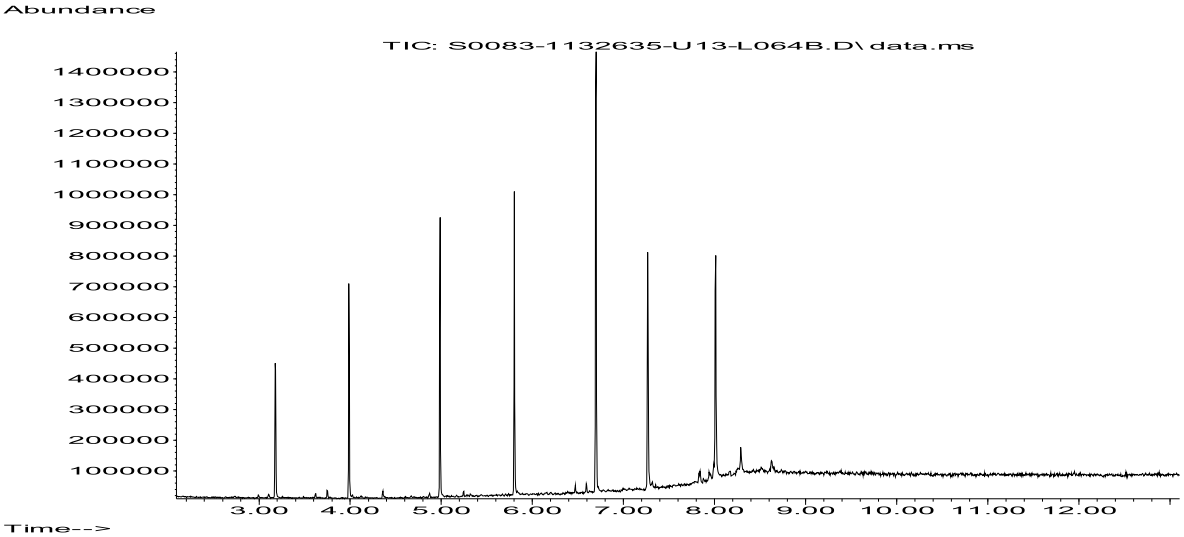
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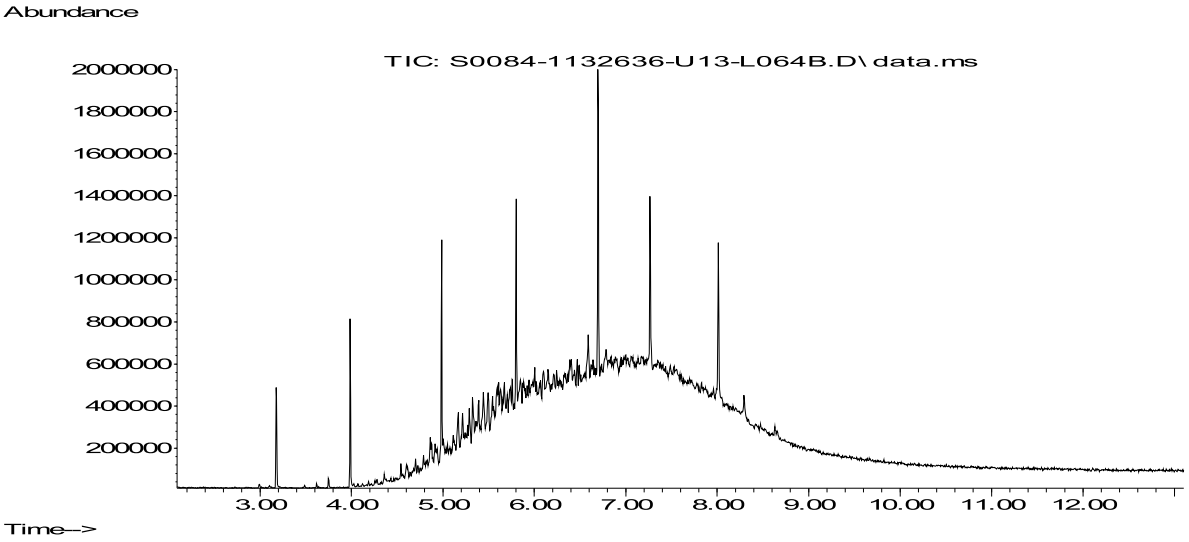
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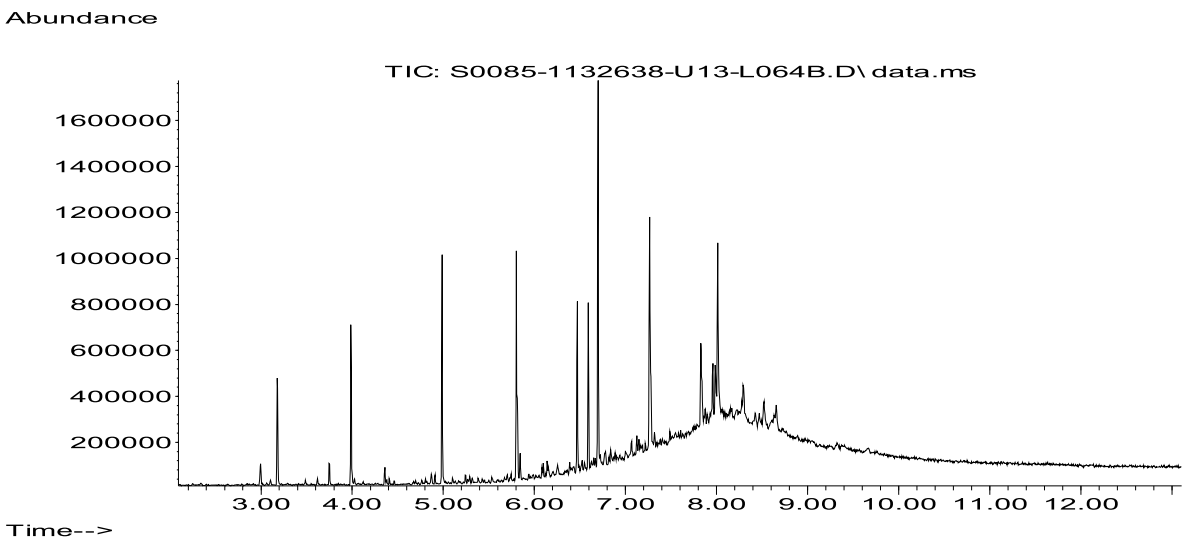
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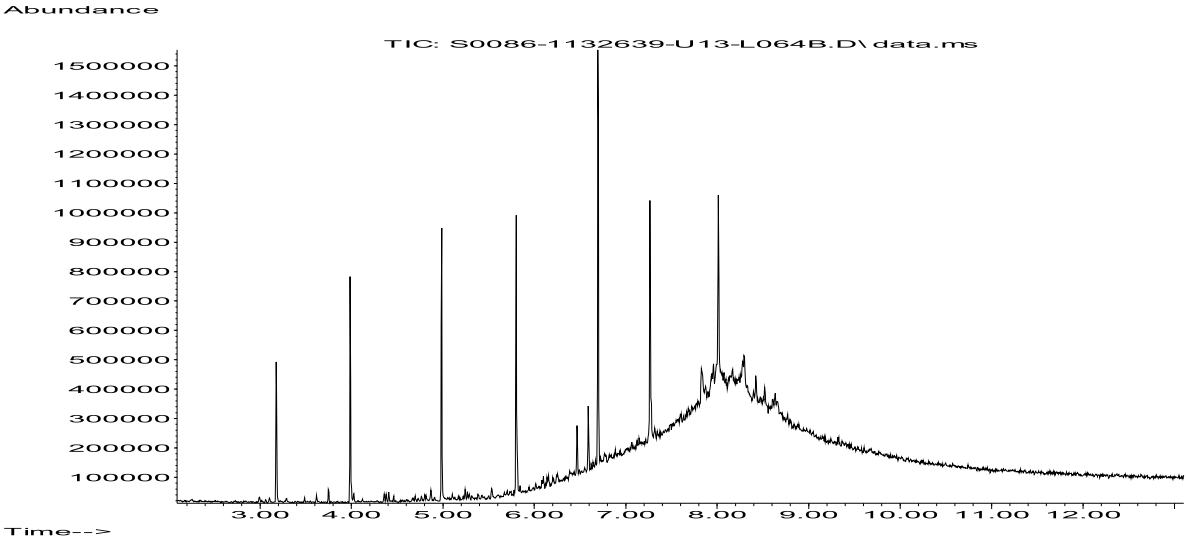
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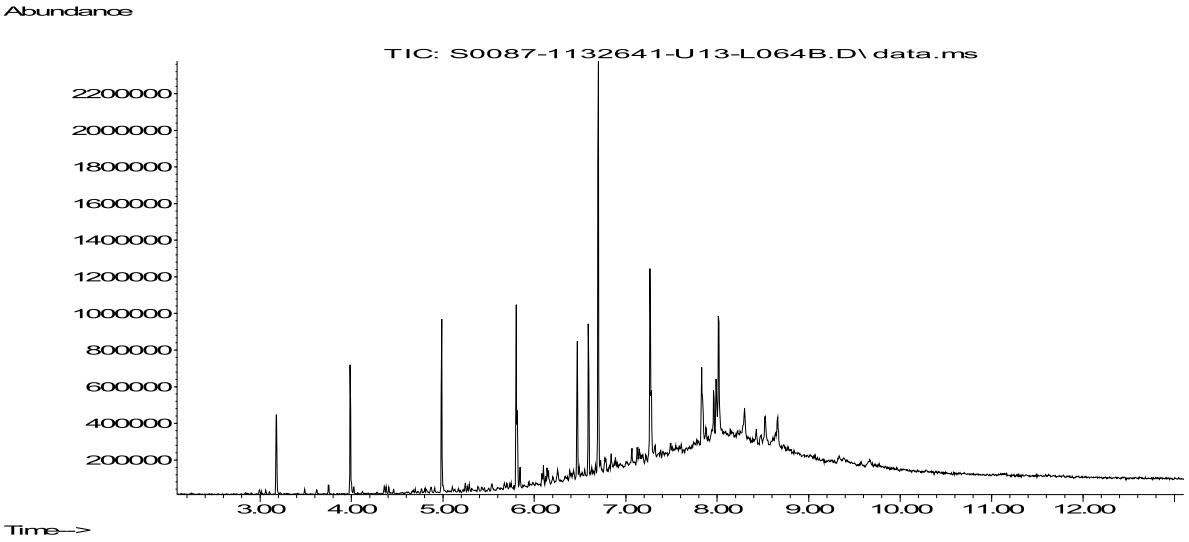
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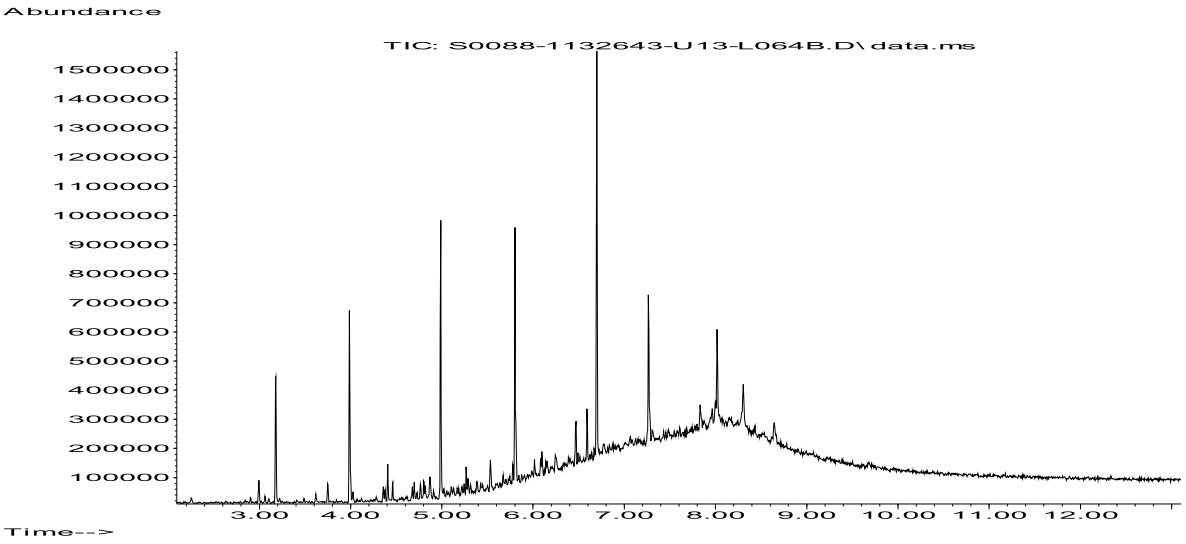
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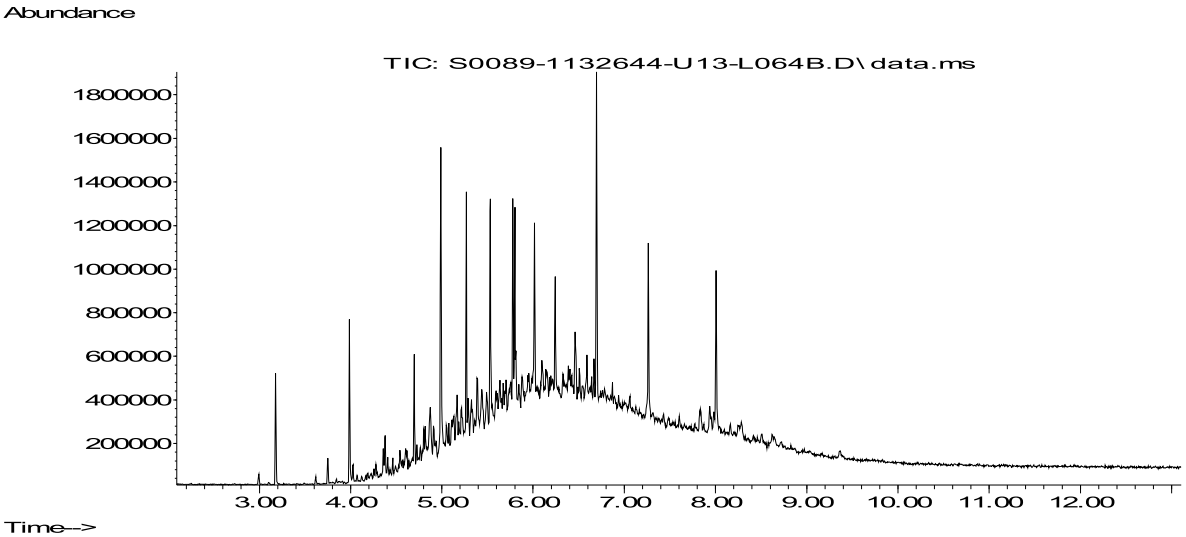
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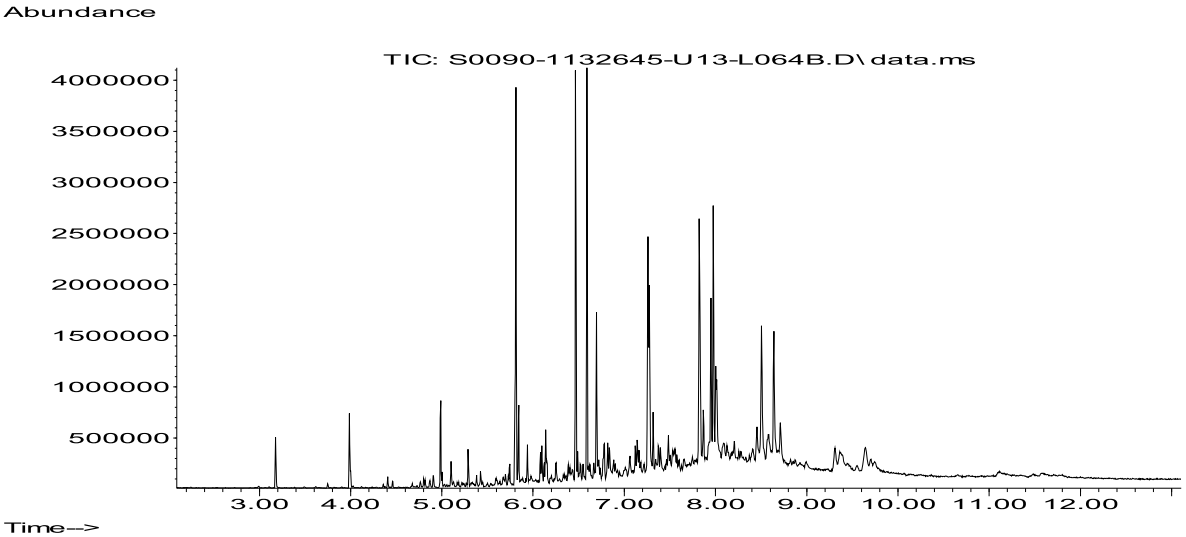
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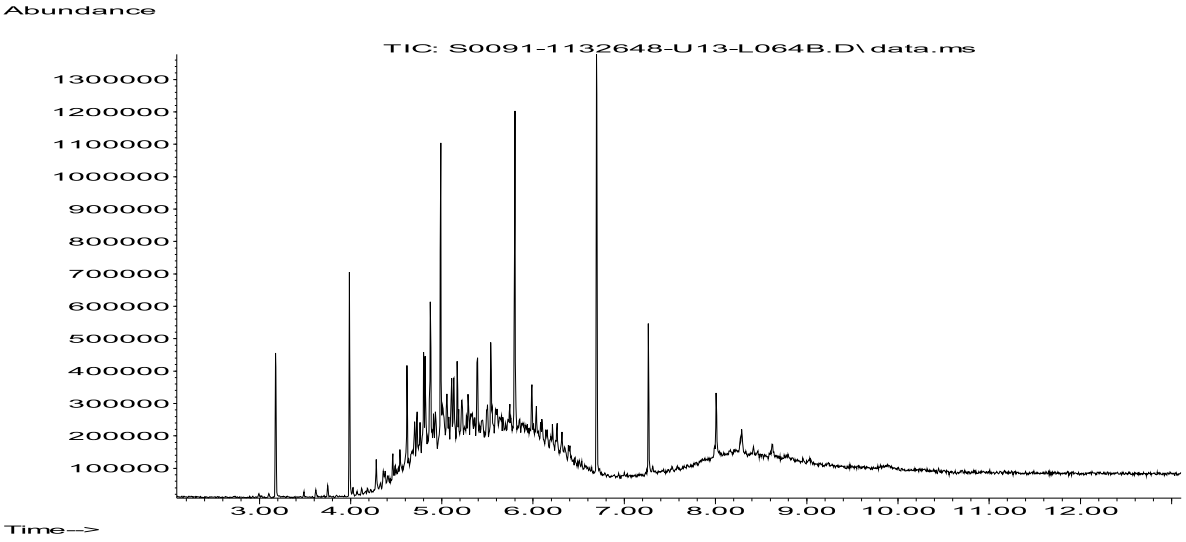
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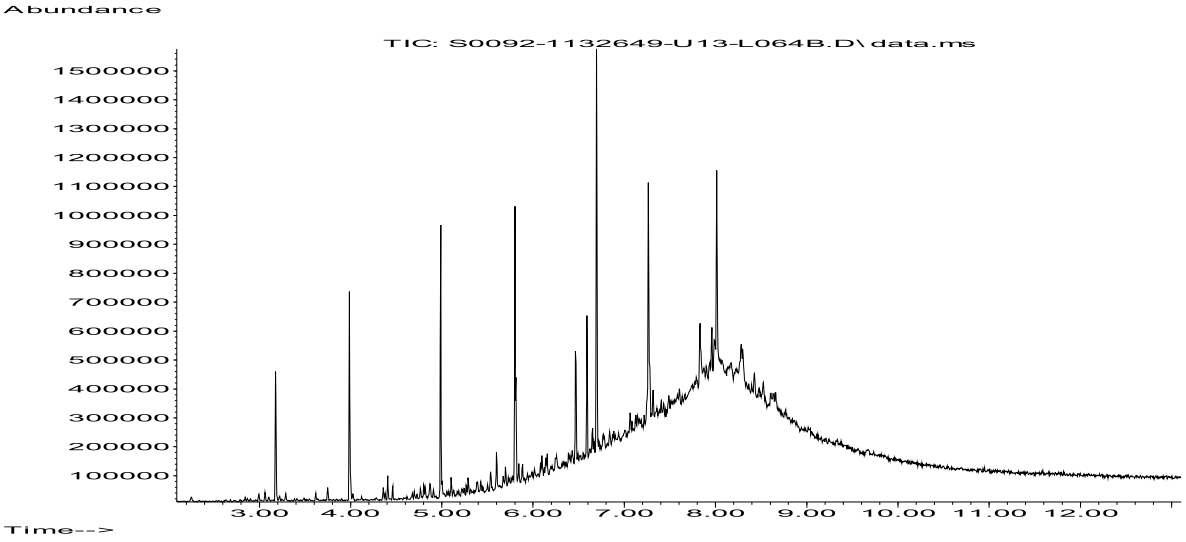
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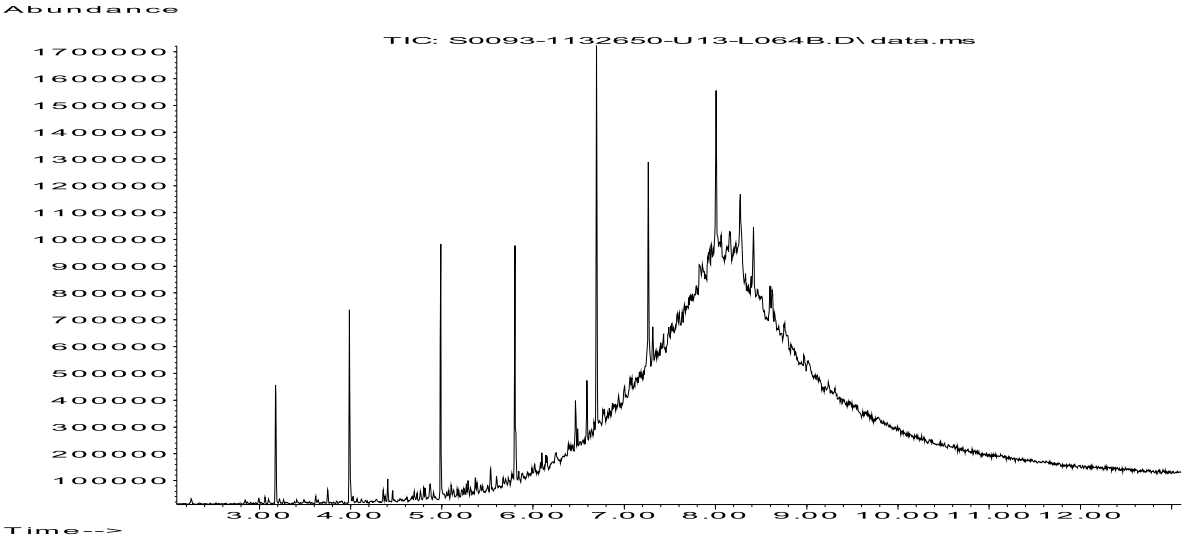
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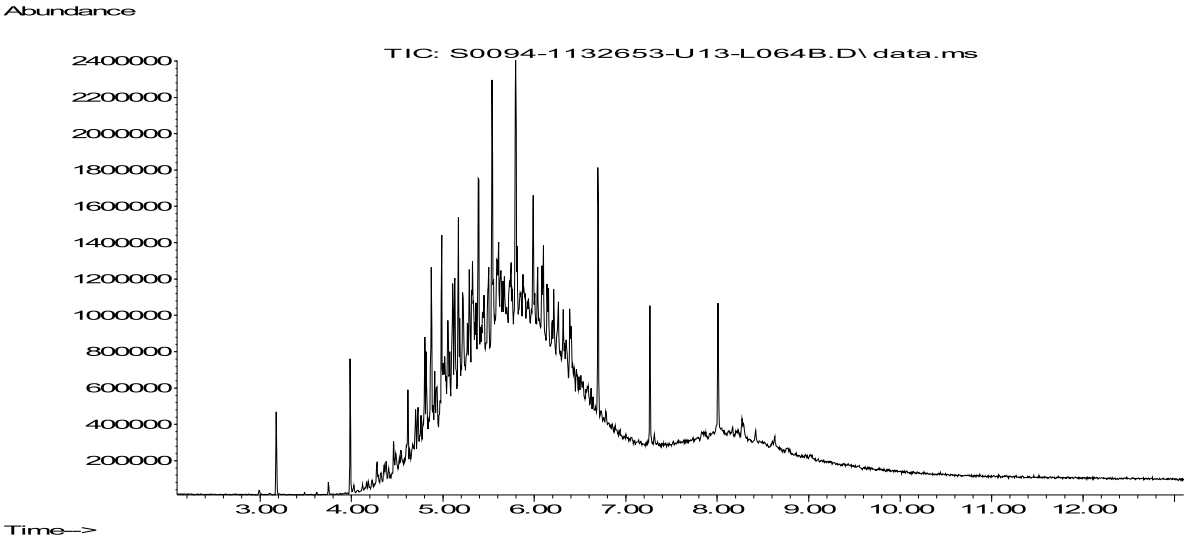
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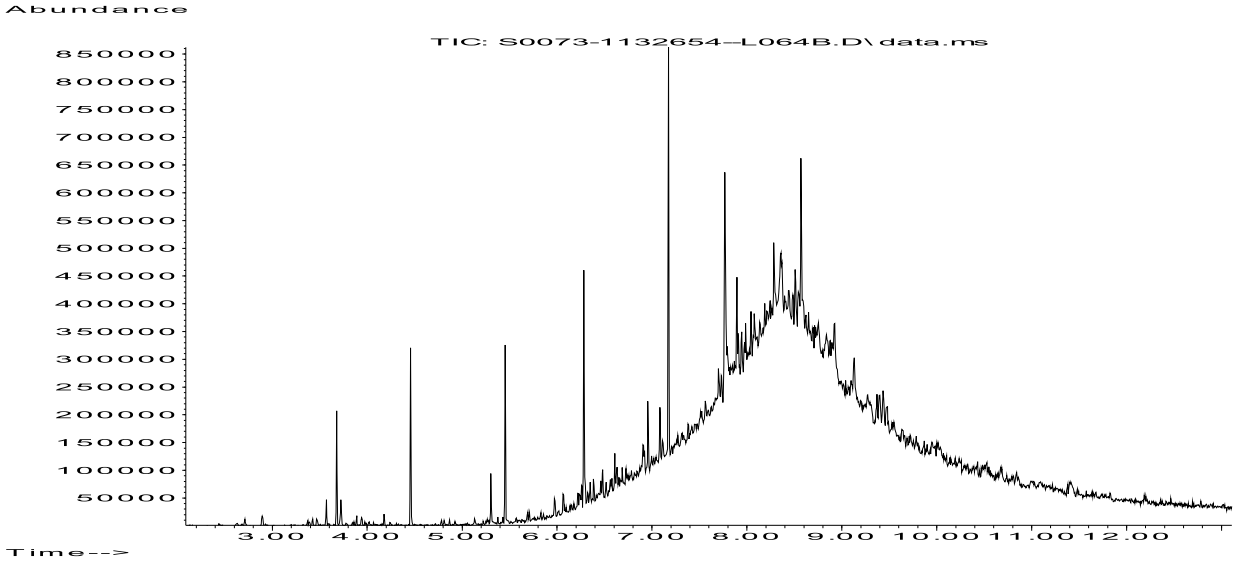
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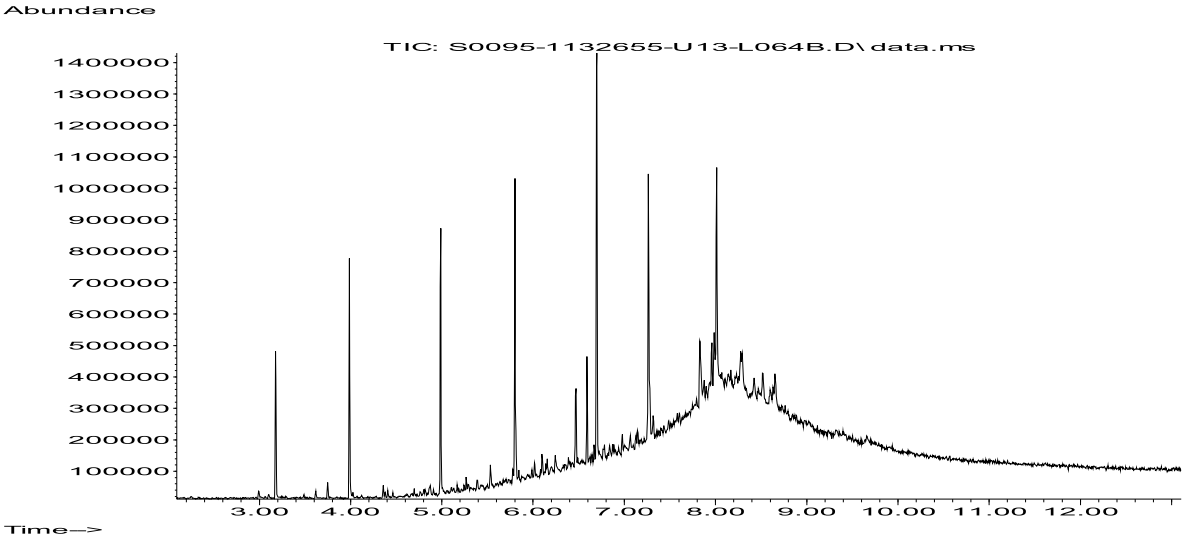
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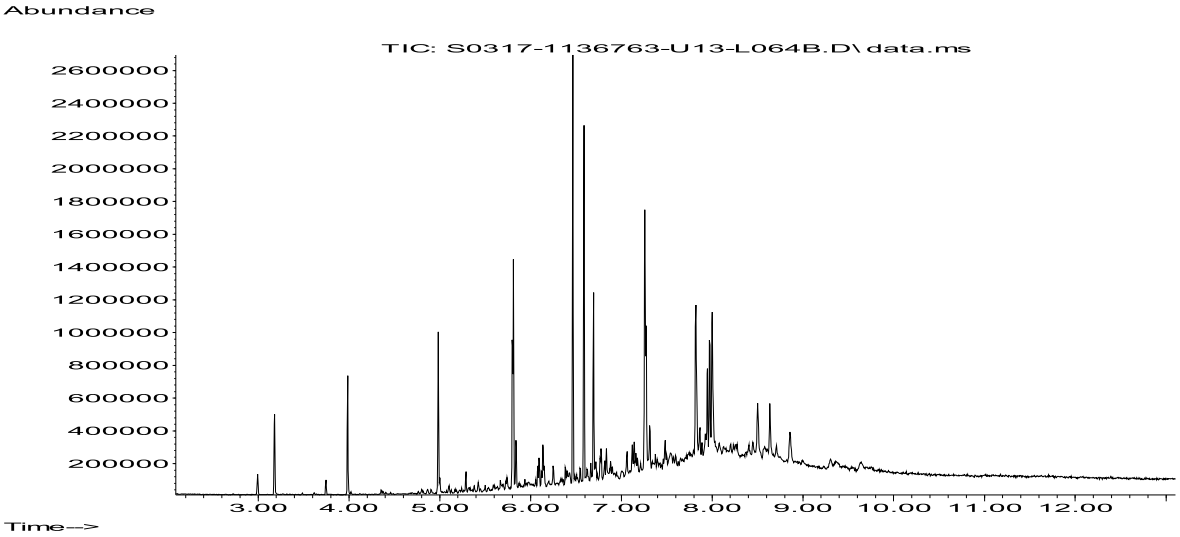
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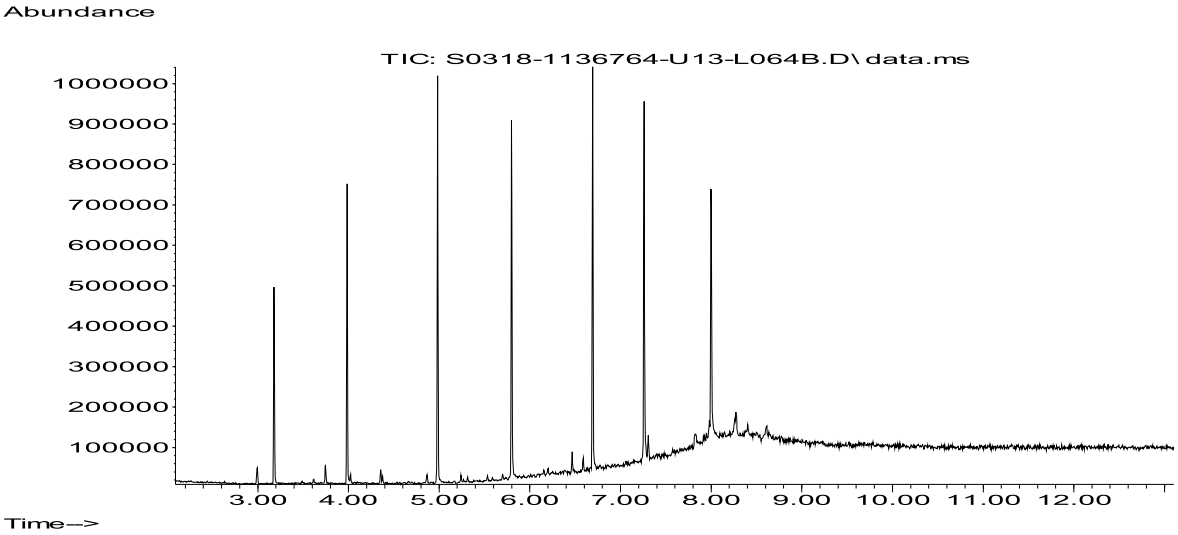
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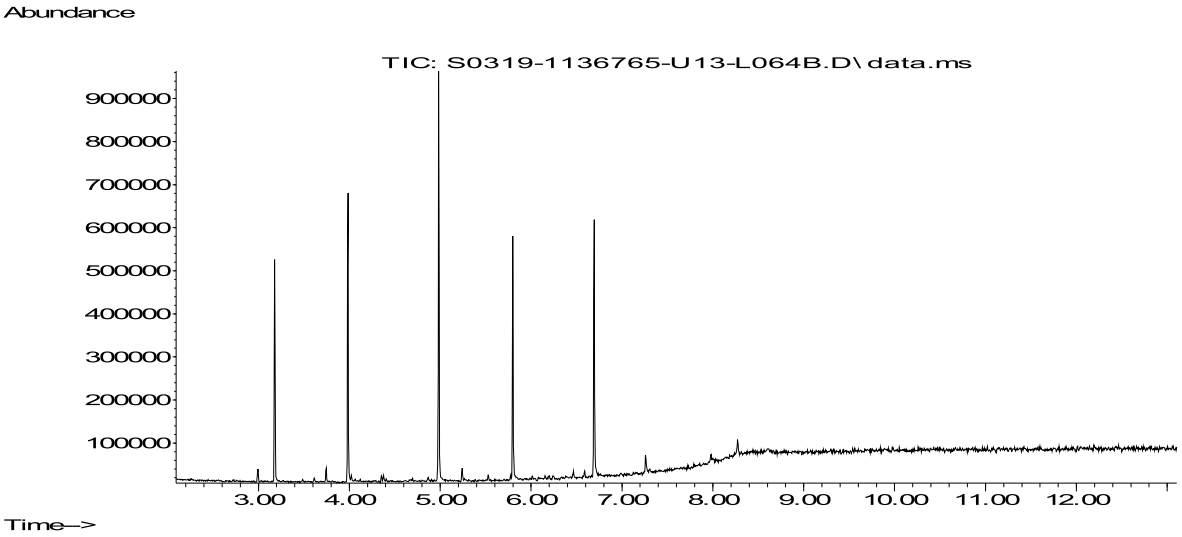
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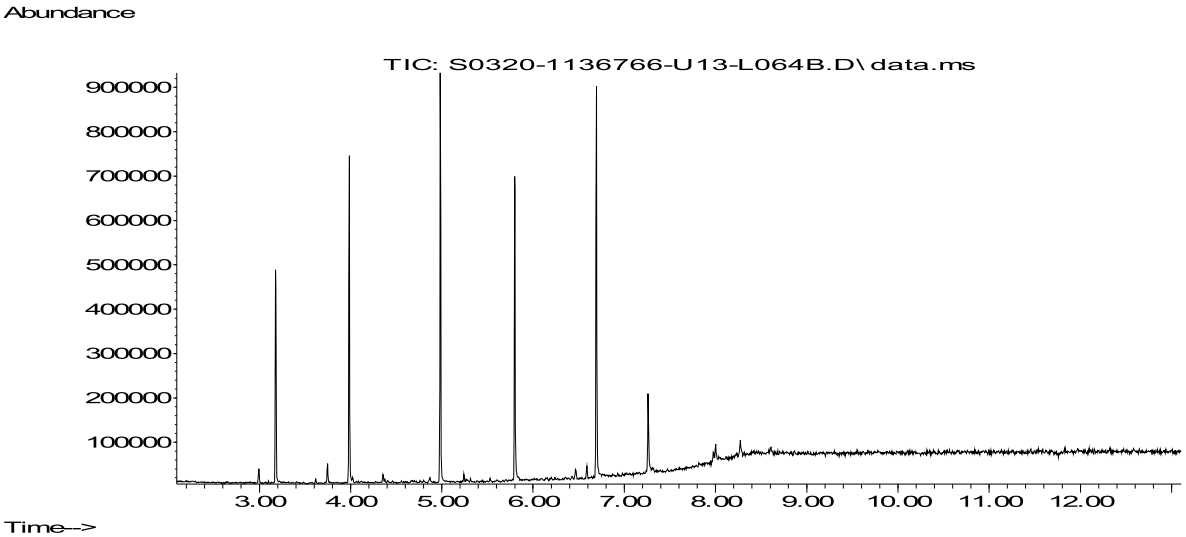
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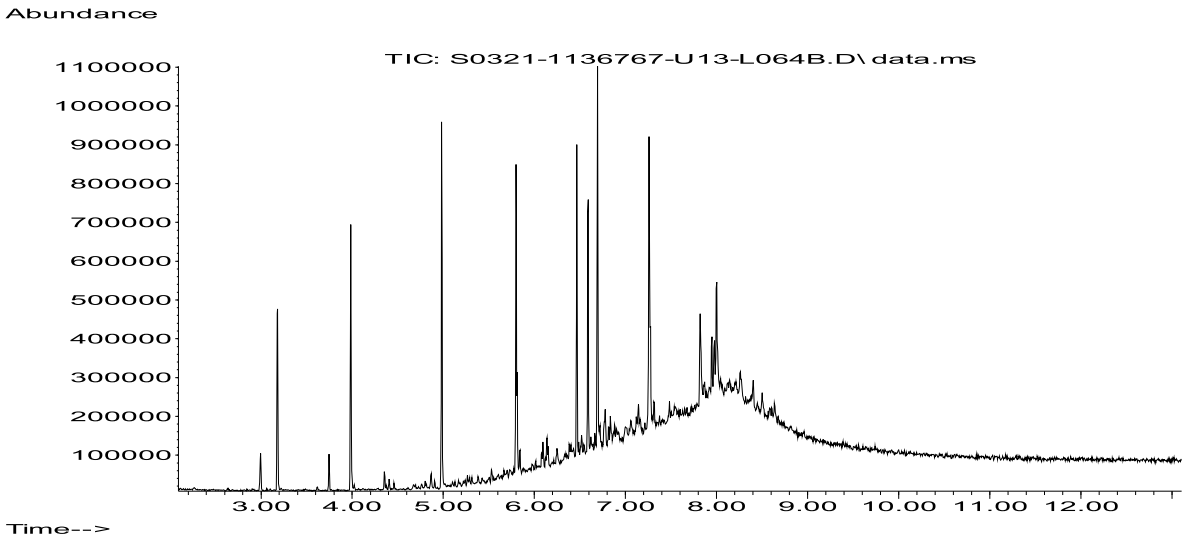
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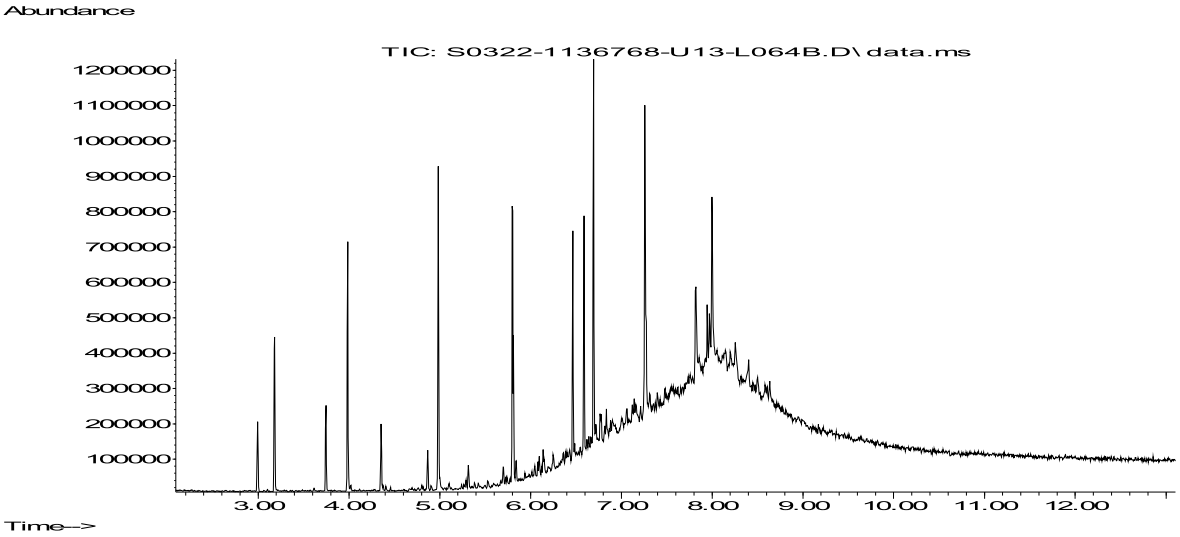
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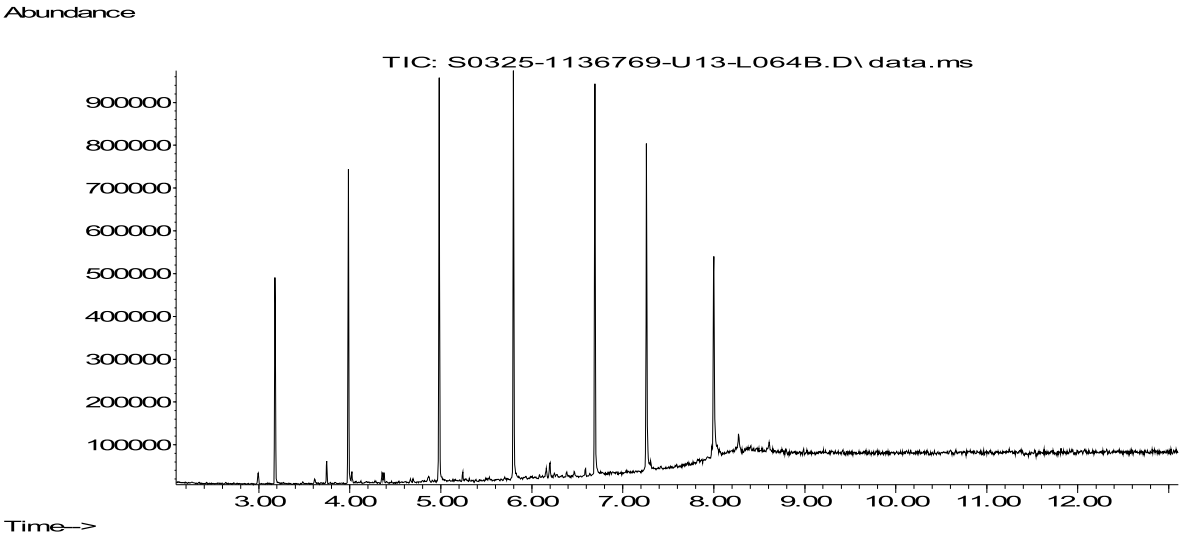
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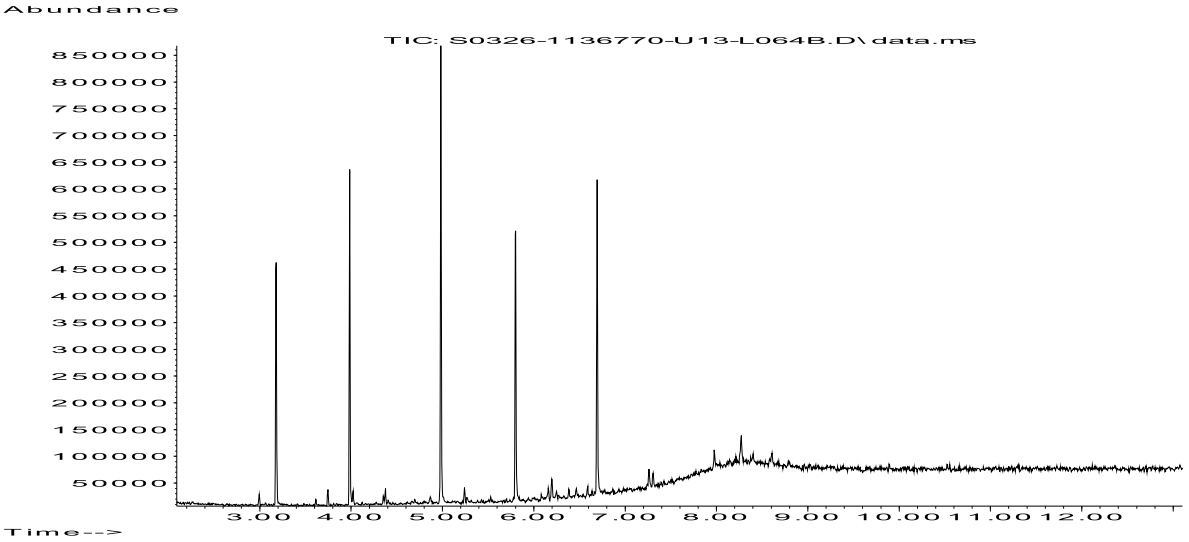
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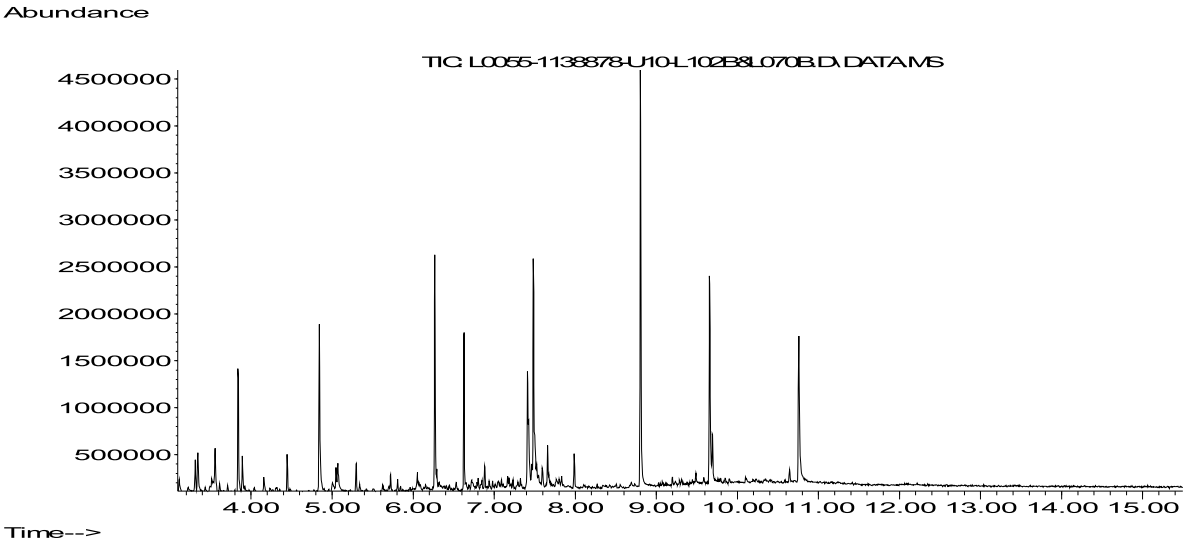
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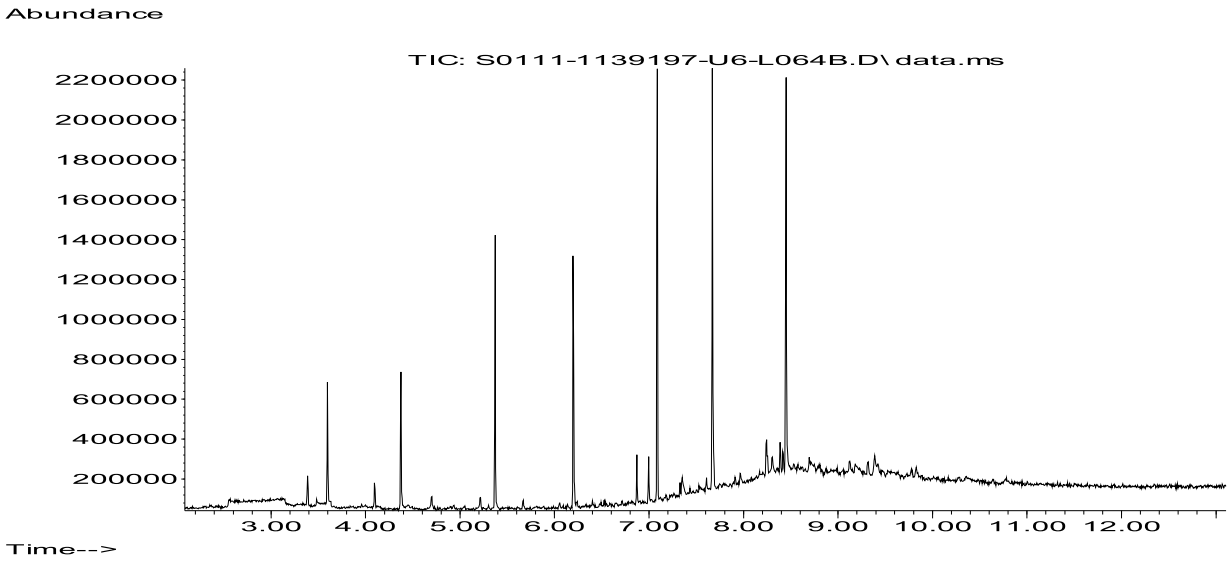
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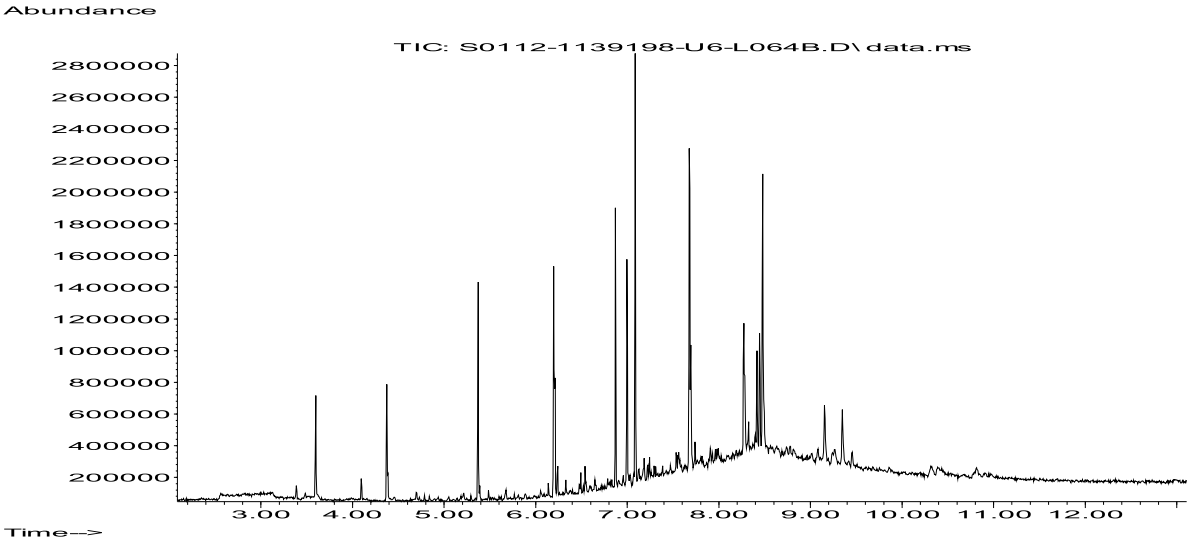
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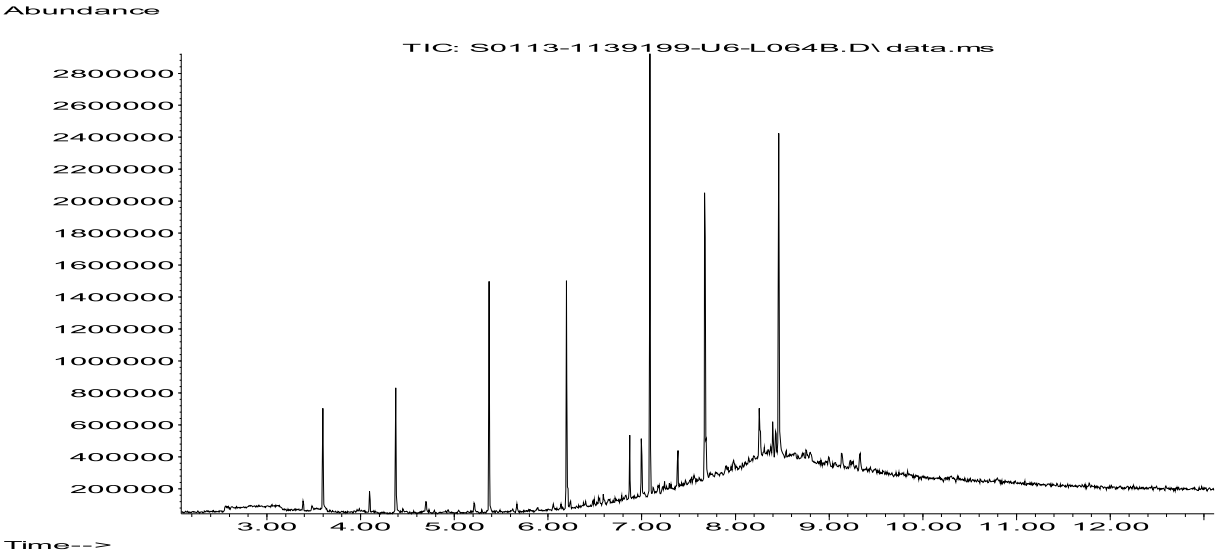
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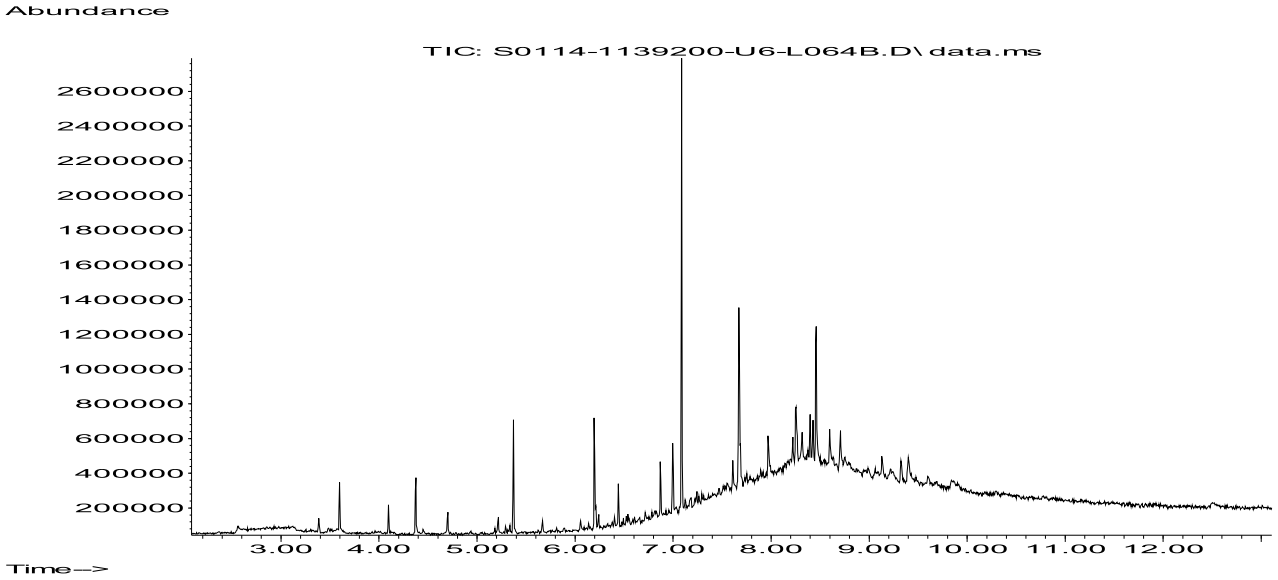
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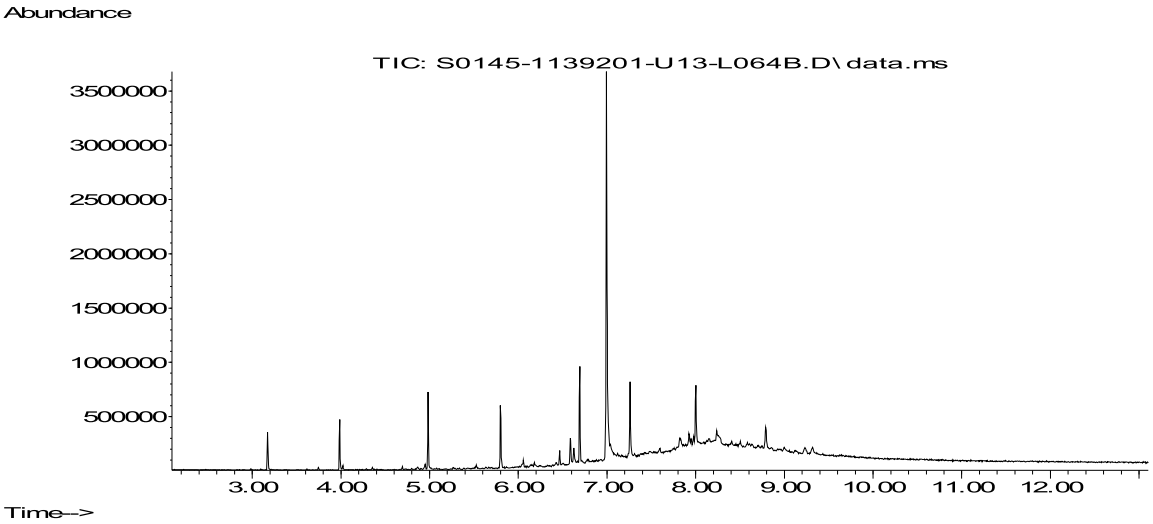
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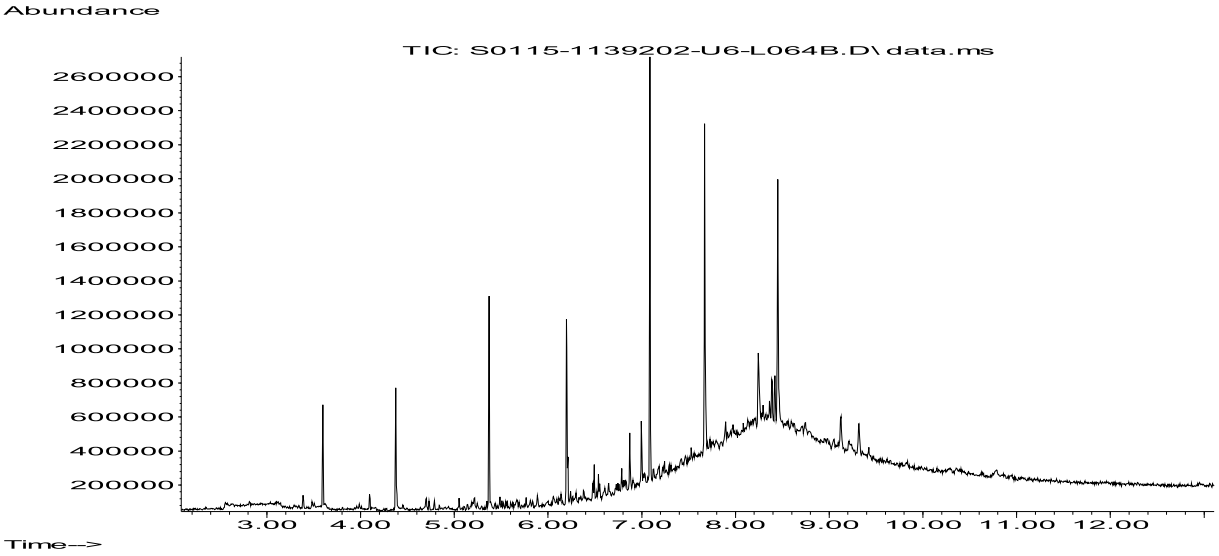
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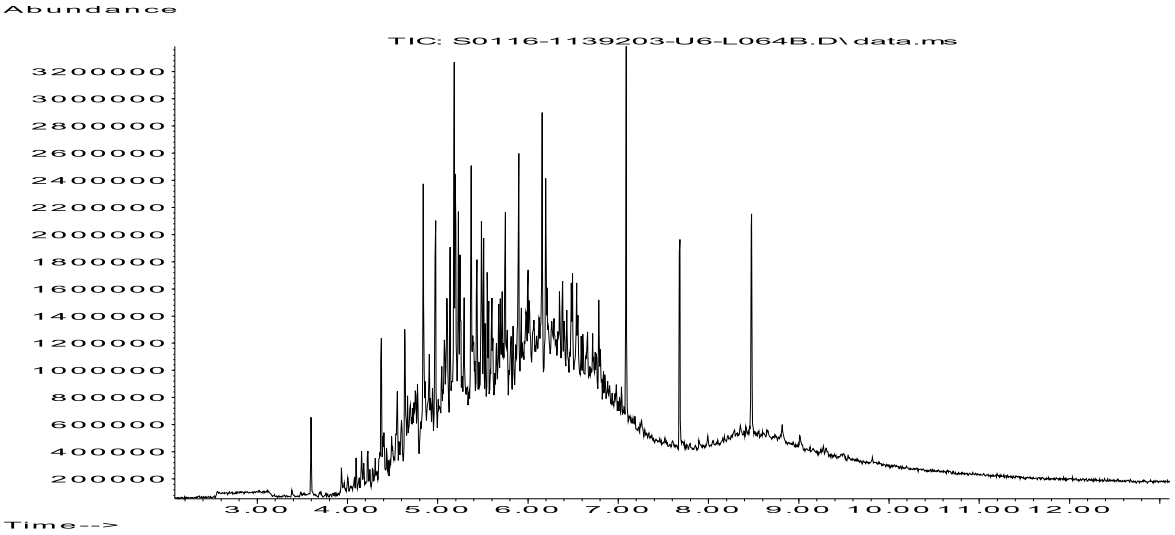
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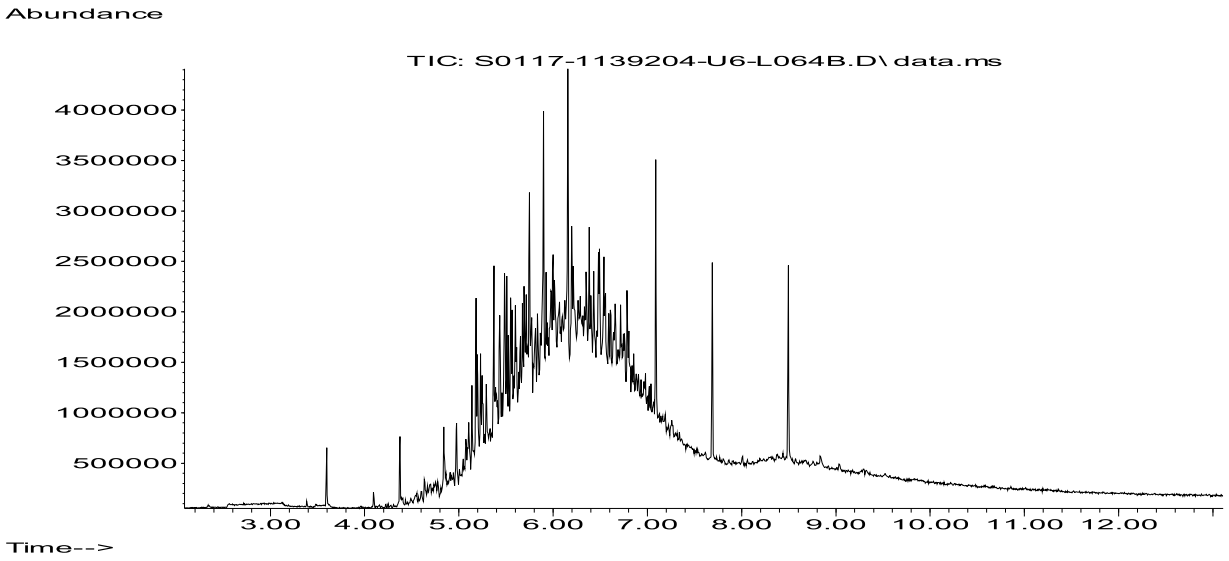
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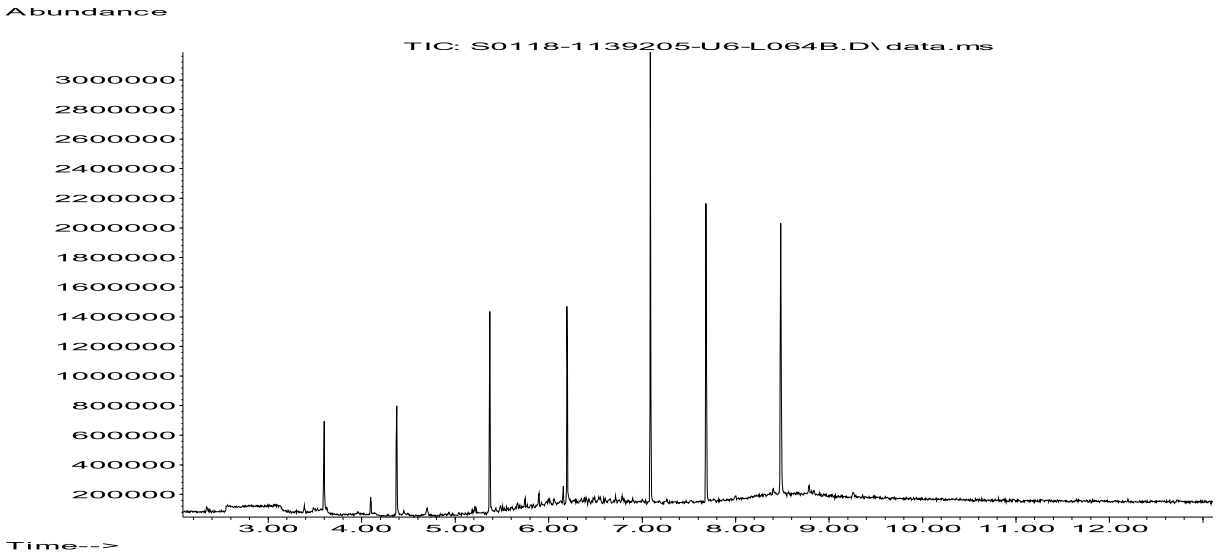
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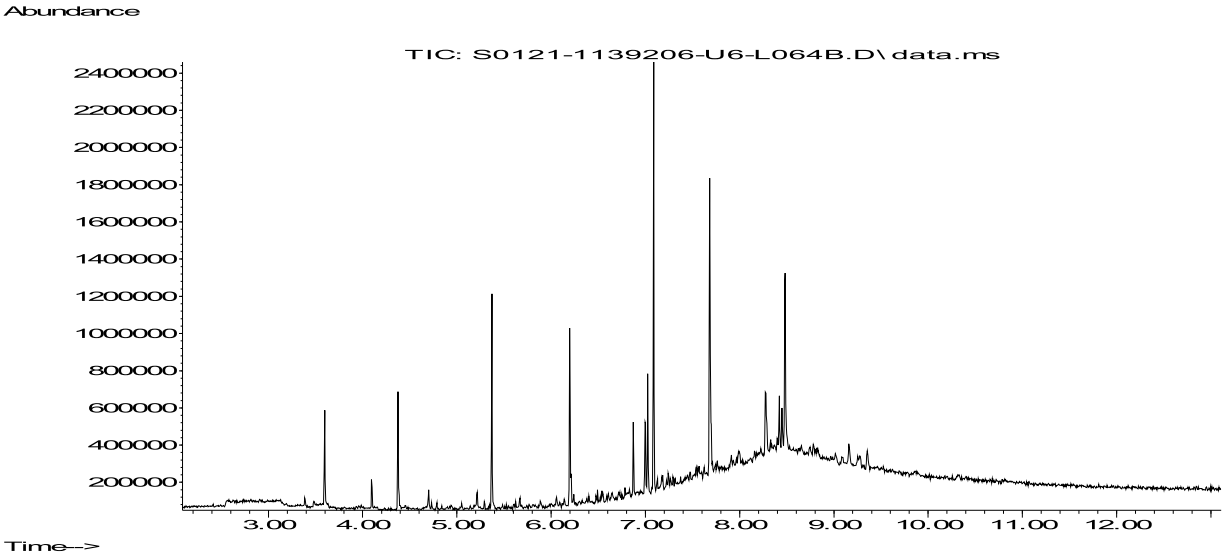
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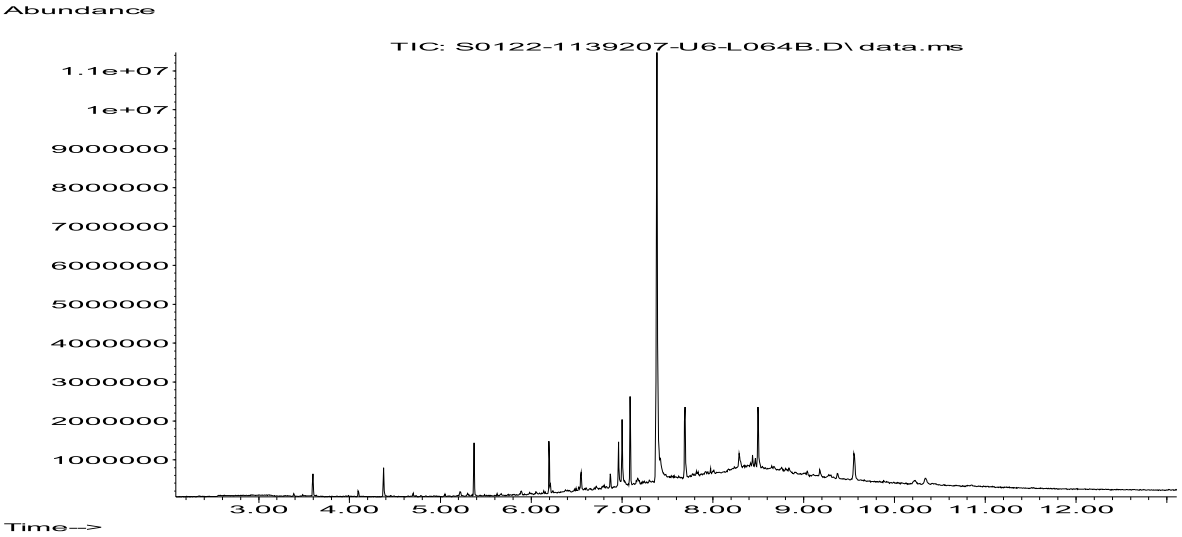
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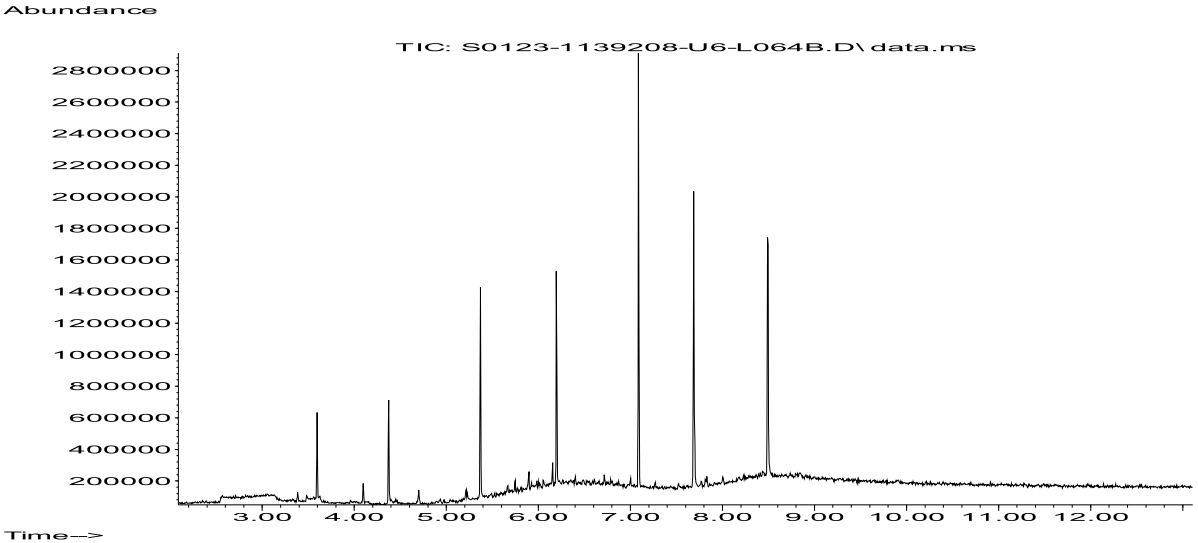
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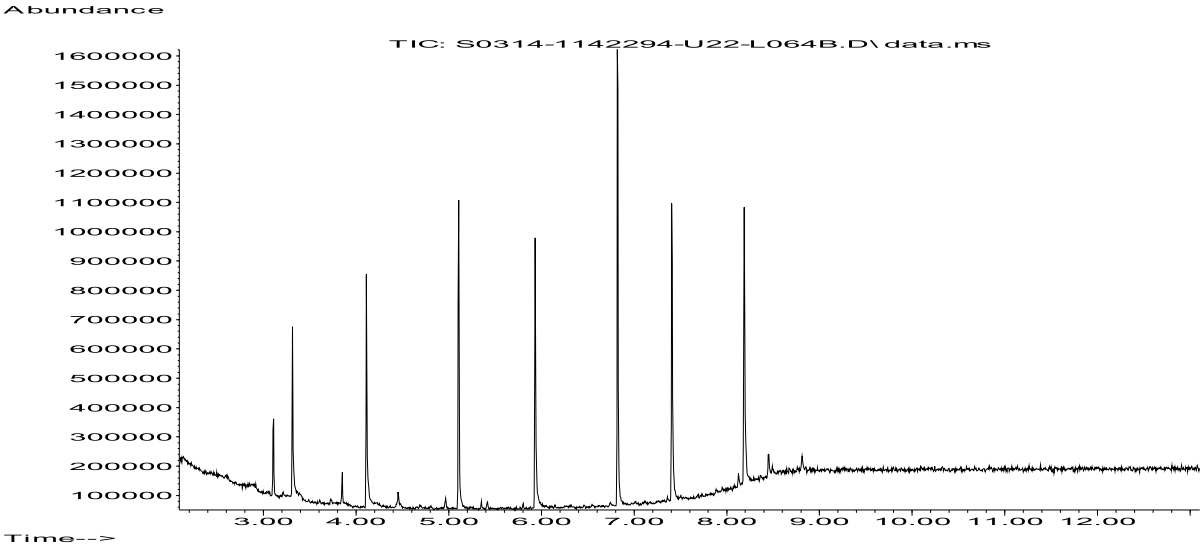
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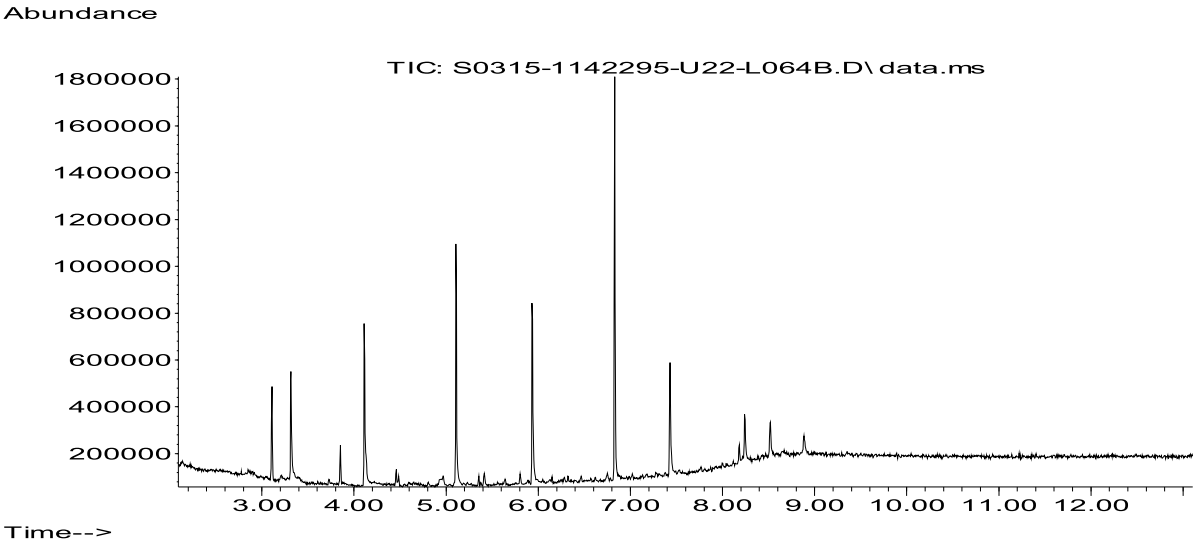
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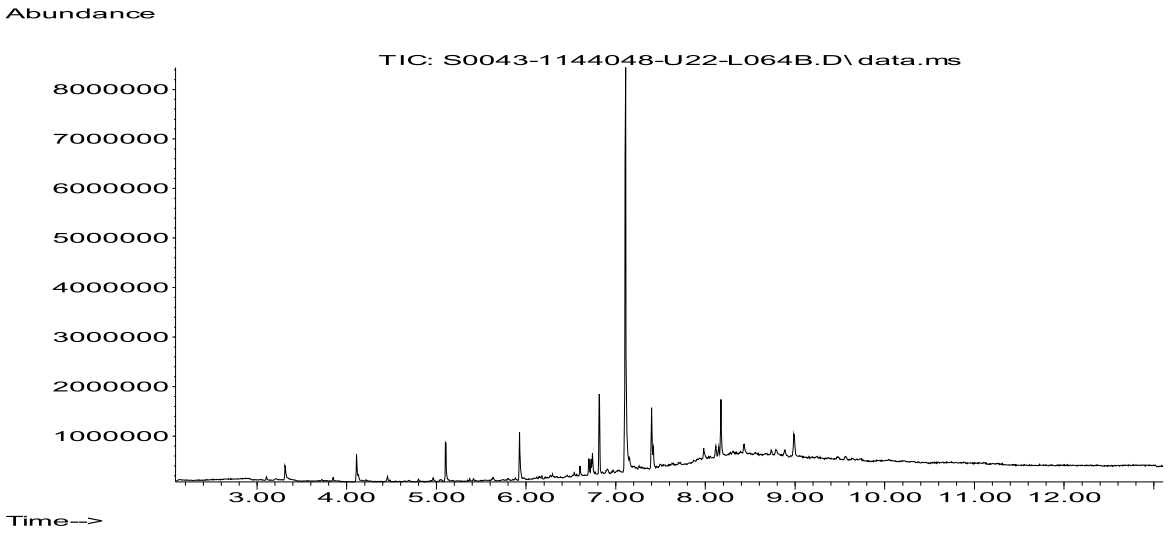
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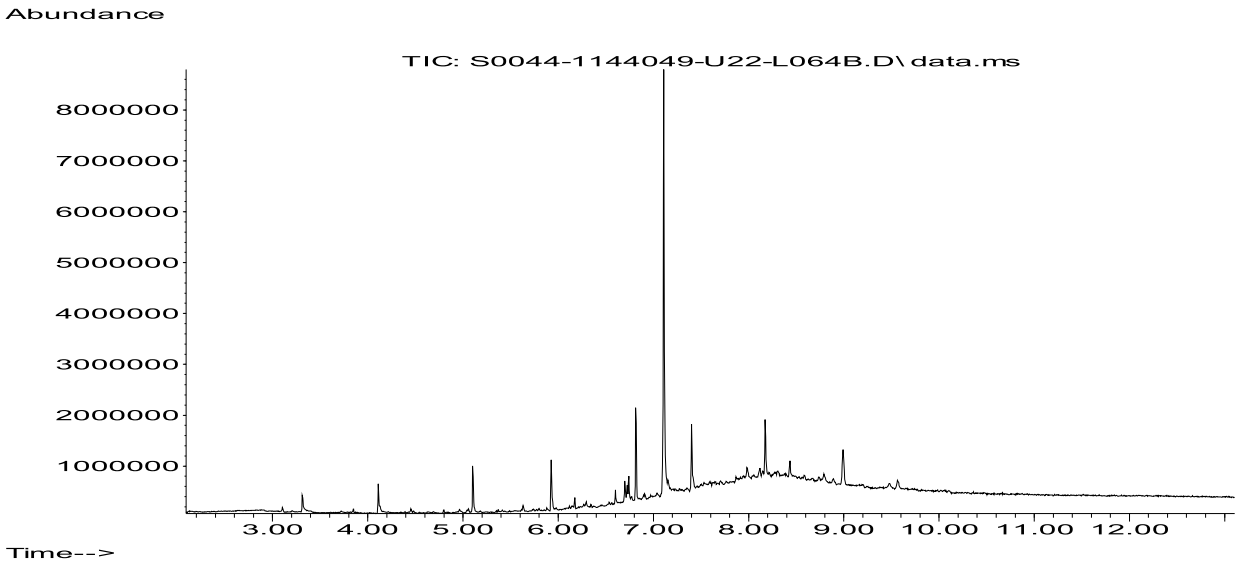
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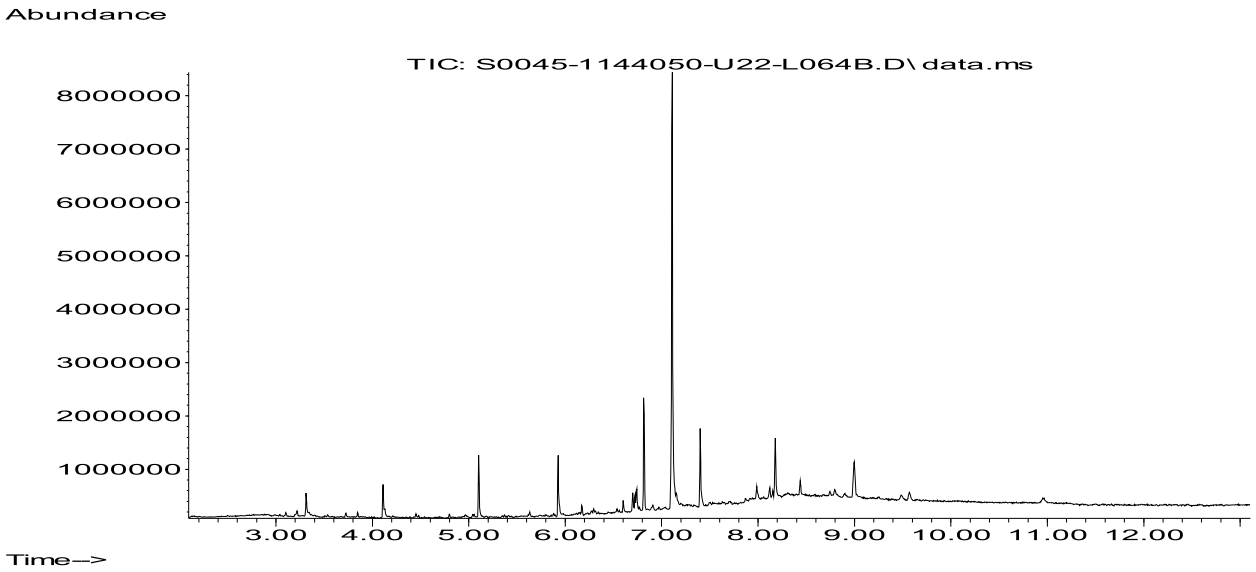
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Appendix E - Groundwater Chemical Analysis Results

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WD18 8YS

t: 01923 225404
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e: reception@i2analytical.com

Analytical Report Number : 19-24219

Project / Site name:	Eastleigh Works	**Samples received on:**	09/01/2001
Your job number:	17-1080.05	**Samples instructed on:**	10/01/2019
Your order number:	DS43543	**Analysis completed by:**	16/01/2019
Report Issue Number:	1	**Report issued on:**	16/01/2019
Samples Analysed:	2 water samples		

Signed [redacted]

Jordan Hill
Reporting 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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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 19-24219

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127407	1127408			
Sample Reference				BH101	BH102			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				Deviating	Deviating			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	7.3	7.2			
Sulphate as SO_4	µg/l	45	ISO 17025	19700	33100			
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16			
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.23	0.67			
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.04	0.04			
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0			
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2			
Copper (dissolved)	µg/l	0.5	ISO 17025	1.8	1.1			
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	0.2			
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05			
Nickel (dissolved)	µg/l	0.5	ISO 17025	2.9	5.1			
Zinc (dissolved)	µg/l	0.5	ISO 17025	2.8	3.5			

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 19-24219

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127407	1127408			
Sample Reference				BH101	BH102			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				Deviating	Deviating			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics								
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0			
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0			
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0			
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0			
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0			
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0			
TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0			
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0			
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0			
Aliphatic >C10 - C12	µg/l	10	ISO 17025	< 10	< 10			
Aliphatic >C12 - C16	µg/l	10	ISO 17025	< 10	< 10			
Aliphatic >C16 - C21	µg/l	10	ISO 17025	< 10	< 10			
Aliphatic >C21 - C35	µg/l	10	ISO 17025	< 10	< 10			
Aliphatic >C10 - C35	µg/l	10	ISO 17025	< 10	< 10			
Aromatic >C10 - C12	µg/l	10	ISO 17025	< 10	< 10			
Aromatic >C12 - C16	µg/l	10	ISO 17025	< 10	< 10			
Aromatic >C16 - C21	µg/l	10	ISO 17025	< 10	< 10			
Aromatic >C21 - C35	µg/l	10	ISO 17025	< 10	< 10			
Aromatic >C10 - C35	µg/l	10	ISO 17025	< 10	< 10			

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 19-24219

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127407	1127408			
Sample Reference				BH101	BH102			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				Deviating	Deviating			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0			
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0			
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0			
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0			
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0			
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0			
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0			

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 19-24219

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127407	1127408			
Sample Reference				BH101	BH102			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				Deviating	Deviating			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		10	NONE	ND	ND			
VOC % Match	%	10	NONE	-	-			

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Analytical Report Number: 19-24219

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127407	1127408			
Sample Reference				BH101	BH102			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				Deviating	Deviating			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	µg/l	0.05	NONE	< 0.05	< 0.05			
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05			
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05			
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05			
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05			
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05			
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05			
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05			
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05			
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05			
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05			
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05			
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05			
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05			
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05			
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05			
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05			
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05			
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05			
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05			
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05			
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05			
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05			
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05			
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05			
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05			
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05			
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05			
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05			
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05			
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05			
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05			
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05			
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01			

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Analytical Report Number: 19-24219

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127407	1127408			
Sample Reference				BH101	BH102			
Sample Number				None Supplied	None Supplied			
Depth (m)				None Supplied	None Supplied			
Date Sampled				Deviating	Deviating			
Time Taken				None Supplied	None Supplied			
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	ND	ND			
SVOC % Match	%	N/A	NONE	-	-			

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number : 19-24219

Project / Site name: Eastleigh Works

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	W	ISO 17025
Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds in leachate by extraction in dichloromethane followed by GC-MS.	In-house method based on USEPA 8270	L102B-PL	W	NONE
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW, PrW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Tentatively identified compounds (SVOC) in water	Determination of semi-volatile organic compounds total ion count in water by extraction with hexane followed by GC-MS followed by a full library scan.	In-house method based on USEPA 8270	L070-PL	W	NONE
Tentatively identified compounds (VOC) in water	Determination of volatile organic compounds total ion count in water by headspace GC-MS followed by a full library scan.	In-house method based on USEPA8260	L073B-PL	W	NONE
TPH C10-C35 by GCxGC-FID	Determination of total petroleum hydrocarbons in water by GC x GC FID with carbon banding aliphatic and aromatic C10-C35. Accredited Matrices SW,GW,PW.	In-house method	L101B-PL	W	ISO 17025
TPH Chromatogram in Water	TPH Chromatogram in Water.	In-house method	L070-PL	W	NONE
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	ISO 17025
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

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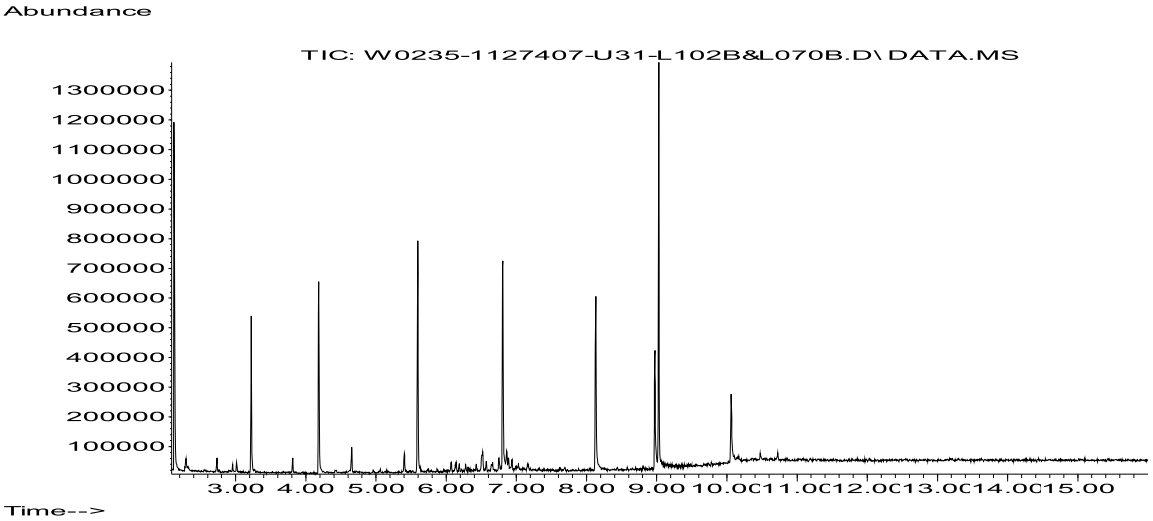
Sample ID	Other_ID	Sample Type	Job	Sample Number	Sample Deviation Code	test_name	test_ref	Test Deviation code
BH101		W	19-24219	1127407	a			
BH102		W	19-24219	1127408	a			

Key: a - No sampling date b - Incorrect container
c - Holding time d - Headspace e - Temperature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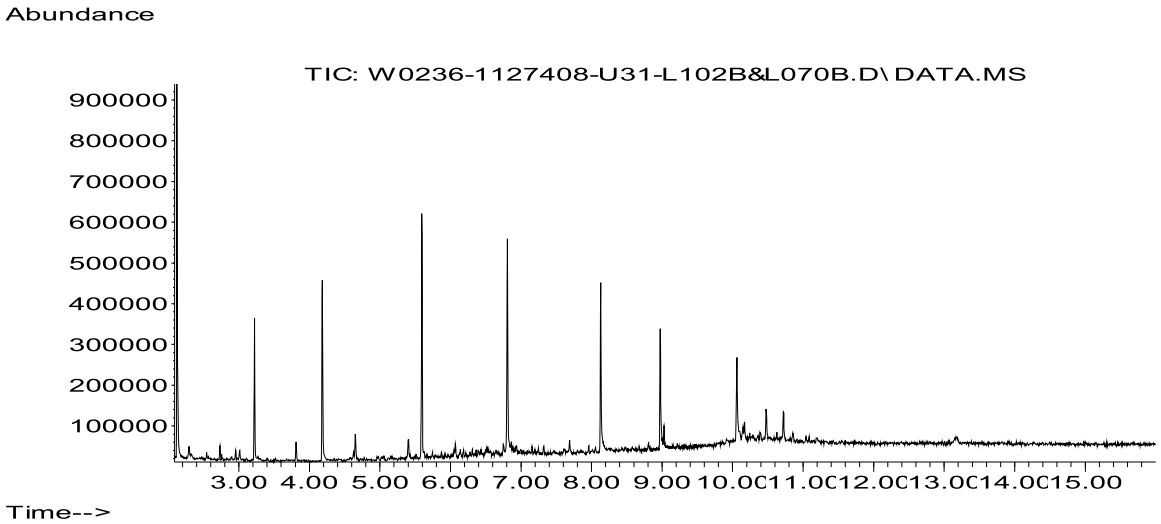
Time-->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3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00
Time-->

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Analytical Report Number : 19-24329

Project / Site name:	Eastleigh Works	**Samples received on:**	09/01/2019
Your job number:	17-1080.05	**Samples instructed on:**	10/01/2019
Your order number:	DS43543	**Analysis completed by:**	16/01/2019
Report Issue Number:	1	**Report issued on:**	16/01/2019
Samples Analysed:	1 water sample		

Signed [redacted]

Jordan Hill
Reporting 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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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 19-24329

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127988				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				None Supplied				
Date Sampled				Deviating				
Time Taken				None Supplied				
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	8.0				
Sulphate as SO_4	µg/l	45	ISO 17025	24500				
Sulphate as SO_4	mg/l	0.045	ISO 17025	24.5				
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	< 0.01				
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01				
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01				
Fluorene	µg/l	0.01	ISO 17025	< 0.01				
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01				
Anthracene	µg/l	0.01	ISO 17025	< 0.01				
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01				
Pyrene	µg/l	0.01	ISO 17025	< 0.01				
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01				
Chrysene	µg/l	0.01	ISO 17025	< 0.01				
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01				
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01				
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01				
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01				
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01				
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01				
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16				
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.84				
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02				
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0				
Chromium (dissolved)	µg/l	0.2	ISO 17025	8.8				
Copper (dissolved)	µg/l	0.5	ISO 17025	< 0.5				
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2				
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05				
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.5				
Zinc (dissolved)	µg/l	0.5	ISO 17025	19				

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Analytical Report Number: 19-24329

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127988				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				None Supplied				
Date Sampled				Deviating				
Time Taken				None Supplied				
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics								
Benzene	µg/l	1	ISO 17025	< 1.0				
Toluene	µg/l	1	ISO 17025	< 1.0				
Ethylbenzene	µg/l	1	ISO 17025	< 1.0				
p & m-xylene	µg/l	1	ISO 17025	< 1.0				
o-xylene	µg/l	1	ISO 17025	< 1.0				
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0				
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0				
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0				
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0				
TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0				
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0				
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0				
Aliphatic >C10 - C12	µg/l	10	ISO 17025	< 10				
Aliphatic >C12 - C16	µg/l	10	ISO 17025	< 10				
Aliphatic >C16 - C21	µg/l	10	ISO 17025	< 10				
Aliphatic >C21 - C35	µg/l	10	ISO 17025	< 10				
Aliphatic >C10 - C35	µg/l	10	ISO 17025	< 10				
Aromatic >C10 - C12	µg/l	10	ISO 17025	< 10				
Aromatic >C12 - C16	µg/l	10	ISO 17025	< 10				
Aromatic >C16 - C21	µg/l	10	ISO 17025	< 10				
Aromatic >C21 - C35	µg/l	10	ISO 17025	< 10				
Aromatic >C10 - C35	µg/l	10	ISO 17025	< 10				

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Analytical Report Number: 19-24329

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127988				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				None Supplied				
Date Sampled				Deviating				
Time Taken				None Supplied				
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	µg/l	1	ISO 17025	< 1.0				
Chloroethane	µg/l	1	ISO 17025	< 1.0				
Bromomethane	µg/l	1	ISO 17025	< 1.0				
Vinyl Chloride	µg/l	1	NONE	< 1.0				
Trichlorofluoromethane	µg/l	1	NONE	< 1.0				
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0				
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0				
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0				
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0				
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0				
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0				
Trichloromethane	µg/l	1	ISO 17025	< 1.0				
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0				
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0				
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0				
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0				
Benzene	µg/l	1	ISO 17025	< 1.0				
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0				
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0				
Trichloroethene	µg/l	1	ISO 17025	< 1.0				
Dibromomethane	µg/l	1	ISO 17025	< 1.0				
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0				
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0				
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0				
Toluene	µg/l	1	ISO 17025	< 1.0				
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0				
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0				
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0				
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0				
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0				
Chlorobenzene	µg/l	1	ISO 17025	< 1.0				
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0				
Ethylbenzene	µg/l	1	ISO 17025	< 1.0				
p & m-Xylene	µg/l	1	ISO 17025	< 1.0				
Styrene	µg/l	1	ISO 17025	< 1.0				
Tribromomethane	µg/l	1	ISO 17025	< 1.0				
o-Xylene	µg/l	1	ISO 17025	< 1.0				
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0				
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0				
Bromobenzene	µg/l	1	ISO 17025	< 1.0				
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0				
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0				
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0				
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0				
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0				
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0				
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0				
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0				
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0				
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0				
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0				
Butylbenzene	µg/l	1	ISO 17025	< 1.0				
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0				
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0				
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0				
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0				

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 19-24329

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127988				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				None Supplied				
Date Sampled				Deviating				
Time Taken				None Supplied				
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		10	NONE	ND				
VOC % Match	%	10	NONE	-				

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Analytical Report Number: 19-24329

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127988				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				None Supplied				
Date Sampled				Deviating				
Time Taken				None Supplied				
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	µg/l	0.05	NONE	< 0.05				
Phenol	µg/l	0.05	NONE	< 0.05				
2-Chlorophenol	µg/l	0.05	NONE	< 0.05				
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05				
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05				
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05				
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05				
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05				
2-Methylphenol	µg/l	0.05	NONE	< 0.05				
Hexachloroethane	µg/l	0.05	NONE	< 0.05				
Nitrobenzene	µg/l	0.05	NONE	< 0.05				
4-Methylphenol	µg/l	0.05	NONE	< 0.05				
Isophorone	µg/l	0.05	NONE	< 0.05				
2-Nitrophenol	µg/l	0.05	NONE	< 0.05				
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05				
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05				
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05				
Naphthalene	µg/l	0.01	ISO 17025	< 0.01				
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05				
4-Chloroaniline	µg/l	0.05	NONE	< 0.05				
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05				
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05				
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05				
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05				
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05				
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05				
Dimethylphthalate	µg/l	0.05	NONE	< 0.05				
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05				
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01				
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01				
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05				
Dibenzofuran	µg/l	0.05	NONE	< 0.05				
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05				
Diethyl phthalate	µg/l	0.05	NONE	< 0.05				
4-Nitroaniline	µg/l	0.05	NONE	< 0.05				
Fluorene	µg/l	0.01	ISO 17025	< 0.01				
Azobenzene	µg/l	0.05	NONE	< 0.05				
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05				
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05				
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01				
Anthracene	µg/l	0.01	ISO 17025	< 0.01				
Carbazole	µg/l	0.05	NONE	< 0.05				
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05				
Anthraquinone	µg/l	0.05	NONE	< 0.05				
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01				
Pyrene	µg/l	0.01	ISO 17025	< 0.01				
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05				
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01				
Chrysene	µg/l	0.01	ISO 17025	< 0.01				
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01				
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01				
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01				
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01				
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01				
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01				

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Analytical Report Number: 19-24329

Project / Site name: Eastleigh Works

Your Order No: DS43543

Lab Sample Number				1127988				
Sample Reference				BH103				
Sample Number				None Supplied				
Depth (m)				None Supplied				
Date Sampled				Deviating				
Time Taken				None Supplied				
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	ND				
SVOC % Match	%	N/A	NONE	-				

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number : 19-24329

Project / Site name: Eastleigh Works

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	W	ISO 17025
Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds in leachate by extraction in dichloromethane followed by GC-MS.	In-house method based on USEPA 8270	L102B-PL	W	NONE
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW, PrW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Tentatively identified compounds (SVOC) in water	Determination of semi-volatile organic compounds total ion count in water by extraction with hexane followed by GC-MS followed by a full library scan.	In-house method based on USEPA 8270	L070-PL	W	NONE
Tentatively identified compounds (VOC) in water	Determination of volatile organic compounds total ion count in water by headspace GC-MS followed by a full library scan.	In-house method based on USEPA8260	L073B-PL	W	NONE
TPH C10-C35 by GCxGC-FID	Determination of total petroleum hydrocarbons in water by GC x GC FID with carbon banding aliphatic and aromatic C10-C35. Accredited Matrices SW,GW,PW.	In-house method	L101B-PL	W	ISO 17025
TPH Chromatogram in Water	TPH Chromatogram in Water.	In-house method	L070-PL	W	NONE
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	ISO 17025
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

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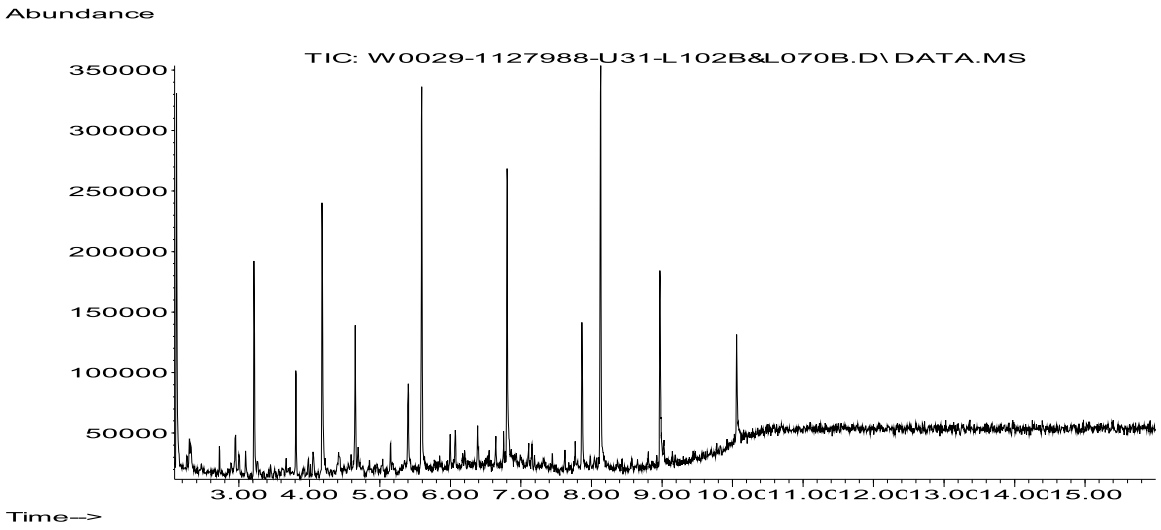
Sample ID	Other_ID	Sample Type	Job	Sample Number	Sample Deviation Code	test_name	test_ref	Test Deviation code
BH103		W	19-24329	1127988	a			

Key: a - No sampling date b - Incorrect container
c - Holding time d - Headspace e - Temperature


Abundance
TIC: W0029-1127988-U31-L102B&L070B.D\DATA.MS
350000
300000
250000
200000
150000
100000
50000
3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00
Time-->

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Combined Report : Eastleigh

Replaces Combined Report: Eastleigh, issue no. 1

Project / Site name:	Eastleigh	**Samples received on:**	30/01/2019
Your job number:	17-1080.05	**Samples instructed on:**	30/01/2019
Your order number:	DS44109	**Analysis completed by:**	06/02/2019
Report Issue Number:	2	**Report issued on:**	05/03/2019
Samples Analysed:	19 water samples		

Signed: [redacted]

Rexona Rahman
Head of Customer Services
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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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143870	1143871	1143872	1143873	1143874
Sample Reference				BH104	BH106	BH107	BH110	BH111
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	7.1	7.5	7.2	7.3	7.2
pH	pH Units	N/A	ISO 17025	-	-	-	-	-
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Complex Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Free Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Sulphate as SO_4	µg/l	45	ISO 17025	20800	27200	44600	19900	2130
Phenols by HPLC								
Catechol	µg/l	0.5	NONE	-	-	-	-	-
Resorcinol	µg/l	0.5	NONE	-	-	-	-	-
Ethylphenol & Dimethylphenol	µg/l	0.5	NONE	-	-	-	-	-
Cresols	µg/l	0.5	NONE	-	-	-	-	-
Naphthols	µg/l	0.5	NONE	-	-	-	-	-
Isopropylphenol	µg/l	0.5	NONE	-	-	-	-	-
Phenol	µg/l	0.5	NONE	-	-	-	-	-
Trimethylphenol	µg/l	0.5	NONE	-	-	-	-	-
Phenols by GC-MS								
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Total Phenols								
Total Phenols (HPLC)	µg/l	3.5	NONE	-	-	-	-	-
Total Phenols (GC-MS)	µg/l	0.5	NONE	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143870	1143871	1143872	1143873	1143874
Sample Reference				BH104	BH106	BH107	BH110	BH111
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	22.0
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	38.1
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	89.9
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	170
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	8.81
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	7.11
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	13.7
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	< 0.16	< 0.16	350
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	0.15	ISO 17025	< 0.15	< 0.15	0.35	0.62	1.53
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.07	< 0.02	0.05	0.29	< 0.02
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	0.7	1.0	0.9	0.8	< 0.5
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	5.1	1.2	3.6	20	1.8
Zinc (dissolved)	µg/l	0.5	ISO 17025	1.4	1.6	5.0	4.0	12

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143870	1143871	1143872	1143873	1143874
Sample Reference				BH104	BH106	BH107	BH110	BH111
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	770
TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	120
Aliphatic >C10 - C12	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	14000
Aliphatic >C12 - C16	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	55000
Aliphatic >C16 - C21	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	50000
Aliphatic >C21 - C35	µg/l	10	ISO 17025	< 10	73	34	< 10	19000
Total Aliphatic >C5 - C35	µg/l	10	ISO 17025	-	-	-	-	-
Aliphatic >C10 - C35	µg/l	10	ISO 17025	< 10	73	34	< 10	140000
Aromatic >C10 - C12	µg/l	10	ISO 17025	< 10	26	19	18	33000
Aromatic >C12 - C16	µg/l	10	ISO 17025	< 10	59	53	32	110000
Aromatic >C16 - C21	µg/l	10	ISO 17025	< 10	110	65	38	89000
Aromatic >C21 - C35	µg/l	10	ISO 17025	< 10	< 10	< 10	110	36000
Total Aromatic >EC5 - EC35	µg/l	10	ISO 17025	-	-	-	-	-
Aromatic >C10 - C35	µg/l	10	ISO 17025	< 10	200	140	190	270000

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143870	1143871	1143872	1143873	1143874
Sample Reference				BH104	BH106	BH107	BH110	BH111
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	37.5
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	28.1
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	57.7
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	15.1
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	37.5
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	63.2
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	97.8
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143870	1143871	1143872	1143873	1143874
Sample Reference				BH104	BH106	BH107	BH110	BH111
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		10	NONE	ND	ND	ND	ND	Benzene, 1,2-diethyl-
VOC % Match	%	10	NONE	-	-	-	-	96
VOCs TICs Compound Name		10	NONE	-	-	-	-	Benzene, 1,2,4,5-tetramethyl-
VOC % Match	%	10	NONE	-	-	-	-	96
VOCs TICs Compound Name		10	NONE	-	-	-	-	Naphthalene, 2-methyl-
VOC % Match	%	10	NONE	-	-	-	-	96
VOCs TICs Compound Name		10	NONE	-	-	-	-	Benzene, 1,2,3,4-tetramethyl-
VOC % Match	%	10	NONE	-	-	-	-	94
VOCs TICs Compound Name		10	NONE	-	-	-	-	Octane, 2,6-dimethyl-
VOC % Match	%	10	NONE	-	-	-	-	93
VOCs TICs Compound Name		10	NONE	-	-	-	-	Benzene, 4-ethyl-1,2-dimethyl-
VOC % Match	%	10	NONE	-	-	-	-	93
VOCs TICs Compound Name		10	NONE	-	-	-	-	1H-Indene, 2,3-dihydro-1,2-dimethyl-
VOC % Match	%	10	NONE	-	-	-	-	90

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Project / Site name: Eastleigh

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Lab Sample Number				1143870	1143871	1143872	1143873	1143874
Sample Reference				BH104	BH106	BH107	BH110	BH111
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	22
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	500
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	38
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	90
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	170
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	8.8
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	7.1
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	14
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143870	1143871	1143872	1143873	1143874
Sample Reference				BH104	BH106	BH107	BH110	BH111
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	ND	Naphthalene, 2,3-dimethyl-	Naphthalene, 2,7-dimethyl-	Naphthalene, decahydro-	Naphthalene, 1,6,7-trimethyl-
SVOC % Match	%	N/A	NONE	-	97	97	95	98
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1,3-dimethyl-	Tetradecane	-	Azulene, 4,6,8-trimethyl-
SVOC % Match	%	N/A	NONE	-	96	96	-	98
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1,6,7-trimethyl-	Eicosane	-	Naphthalene, 2,6-dimethyl-
SVOC % Match	%	N/A	NONE	-	96	94	-	97
SVOCs TICs Compound Name		N/A	NONE	-	Azulene, 7-ethyl-1,4-dimethyl-	1H-Indene, 2,3-dihydro-1,2-dimethyl-	-	Naphthalene, 2,3-dimethyl-
SVOC % Match	%	N/A	NONE	-	96	93	-	97
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1-methyl-	Naphthalene, 2,6-dimethyl-	-	Benzenesulfonamide, N-butyl-
SVOC % Match	%	N/A	NONE	-	95	92	-	96
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1,4,6-trimethyl-	Indane	-	di-p-Tolylacetylene
SVOC % Match	%	N/A	NONE	-	95	92	-	96
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1,4-dimethyl-	-	-	Naphthalene, 1,7-dimethyl-
SVOC % Match	%	N/A	NONE	-	94	-	-	95
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	2,20-Cycloaspidospermidine, 6,7-didehydro-1,3-dimethyl-, (2.alpha.,3.beta.,5.alpha.,12.beta.,19.alpha.,20R)-
SVOC % Match	%	N/A	NONE	-	-	-	-	95
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	1H-Indene, 2,3-dihydro-4,7-dimethyl-
SVOC % Match	%	N/A	NONE	-	-	-	-	94

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

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Lab Sample Number				1143870	1143871	1143872	1143873	1143874
Sample Reference				BH104	BH106	BH107	BH110	BH111
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs – WHO12								
PCB Congener 77	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 81	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 105	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 114	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 118	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 123	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 126	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 156	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 157	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 167	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 169	ug/l	0.02	NONE	-	-	< 0.020	-	-
PCB Congener 189	ug/l	0.02	NONE	-	-	< 0.020	-	-
Total PCBs	ug/l	0.3	NONE	-	-	< 0.300	-	-

Miscellaneous Organics								
4-Nitrophenol	ug/L	0.05	ISO 17025	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143875	1143876	1143877	1143878	1143879
Sample Reference				BH15	DS101	DS102	DS104	DS105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	7.3	7.4	7.2	7.4	7.2
pH	pH Units	N/A	ISO 17025	-	-	-	-	-
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Complex Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Free Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Sulphate as SO_4	µg/l	45	ISO 17025	14900	18700	32900	17000	19300
Phenols by HPLC								
Catechol	µg/l	0.5	NONE	-	-	-	-	-
Resorcinol	µg/l	0.5	NONE	-	-	-	-	-
Ethylphenol & Dimethylphenol	µg/l	0.5	NONE	-	-	-	-	-
Cresols	µg/l	0.5	NONE	-	-	-	-	-
Naphthols	µg/l	0.5	NONE	-	-	-	-	-
Isopropylphenol	µg/l	0.5	NONE	-	-	-	-	-
Phenol	µg/l	0.5	NONE	-	-	-	-	-
Trimethylphenol	µg/l	0.5	NONE	-	-	-	-	-
Phenols by GC-MS								
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	-	-	-
Total Phenols								
Total Phenols (HPLC)	µg/l	3.5	NONE	-	-	-	-	-
Total Phenols (GC-MS)	µg/l	0.5	NONE	< 0.5	< 0.5	-	-	-

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143875	1143876	1143877	1143878	1143879
Sample Reference				BH15	DS101	DS102	DS104	DS105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	5.07	0.76	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	126	2.17	< 0.01	0.81
Fluorene	µg/l	0.01	ISO 17025	< 0.01	106	1.97	< 0.01	0.62
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	74.0	2.04	< 0.01	0.62
Anthracene	µg/l	0.01	ISO 17025	< 0.01	18.1	0.46	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	16.9	0.55	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	9.91	0.38	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	356	8.33	< 0.16	2.05
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.64	0.23	< 0.15	0.45	< 0.15
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	< 0.02	0.12	0.07	0.03
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.5	< 0.2	< 0.2	< 0.2	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	2.0	0.8	2.6	2.7	1.4
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	0.9	3.1	2.8	6.8	1.2
Zinc (dissolved)	µg/l	0.5	ISO 17025	4.7	2.2	2.8	1.9	3.6

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143875	1143876	1143877	1143878	1143879
Sample Reference				BH15	DS101	DS102	DS104	DS105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic >C10 - C12	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Aliphatic >C12 - C16	µg/l	10	ISO 17025	< 10	21	< 10	< 10	< 10
Aliphatic >C16 - C21	µg/l	10	ISO 17025	< 10	17	< 10	< 10	< 10
Aliphatic >C21 - C35	µg/l	10	ISO 17025	< 10	55	< 10	< 10	< 10
Total Aliphatic >C5 - C35	µg/l	10	ISO 17025	-	-	-	-	-
Aliphatic >C10 - C35	µg/l	10	ISO 17025	< 10	94	< 10	< 10	< 10
Aromatic >C10 - C12	µg/l	10	ISO 17025	< 10	150	< 10	< 10	< 10
Aromatic >C12 - C16	µg/l	10	ISO 17025	< 10	390	< 10	< 10	< 10
Aromatic >C16 - C21	µg/l	10	ISO 17025	< 10	180	< 10	< 10	< 10
Aromatic >C21 - C35	µg/l	10	ISO 17025	< 10	420	< 10	< 10	< 10
Total Aromatic >EC5 - EC35	µg/l	10	ISO 17025	-	-	-	-	-
Aromatic >C10 - C35	µg/l	10	ISO 17025	< 10	1100	< 10	< 10	< 10

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Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143875	1143876	1143877	1143878	1143879
Sample Reference				BH15	DS101	DS102	DS104	DS105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143875	1143876	1143877	1143878	1143879
Sample Reference				BH15	DS101	DS102	DS104	DS105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		10	NONE	ND	ND	ND	ND	ND
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-

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Project / Site name: Eastleigh

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Lab Sample Number				1143875	1143876	1143877	1143878	1143879
Sample Reference				BH15	DS101	DS102	DS104	DS105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	23	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	5.1	0.76	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	130	2.2	< 0.01	0.81
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	95	1.7	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	110	2.0	< 0.01	0.62
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	74	2.0	< 0.01	0.62
Anthracene	µg/l	0.01	ISO 17025	< 0.01	18	0.46	< 0.01	< 0.01
Carbazole	µg/l	0.05	NONE	< 0.05	45	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	17	0.55	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	9.9	0.38	< 0.01	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143875	1143876	1143877	1143878	1143879
Sample Reference				BH15	DS101	DS102	DS104	DS105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	ND	Naphthalene, 2,6-dimethyl-	Naphthalene, 2,6-dimethyl-	ND	ND
SVOC % Match	%	N/A	NONE	-	98	98	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1,6,7-trimethyl-	Naphthalene, 2,3-dimethyl-	-	-
SVOC % Match	%	N/A	NONE	-	98	98	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 2,3,6-trimethyl-	Naphthalene, 1,6,7-trimethyl-	-	-
SVOC % Match	%	N/A	NONE	-	98	98	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Benzene, 1-ethyl-3-methyl-	Naphthalene, 1,4,6-trimethyl-	-	-
SVOC % Match	%	N/A	NONE	-	97	98	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Benzene, 1,3,5-trimethyl-	Azulene, 4,6,8-trimethyl-	-	-
SVOC % Match	%	N/A	NONE	-	97	96	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Benzene, 1,2,3,4-tetramethyl-	Pentadecane, 2,6,10-trimethyl-	-	-
SVOC % Match	%	N/A	NONE	-	97	96	-	-
SVOCs TICs Compound Name		N/A	NONE	-	1H-Inden-1-one, 2,3-dihydro-	Heptadecane	-	-
SVOC % Match	%	N/A	NONE	-	97	96	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 2-ethyl-	Naphthalene, 1-ethyl-	-	-
SVOC % Match	%	N/A	NONE	-	97	95	-	-
SVOCs TICs Compound Name		N/A	NONE	-	Naphthalene, 1,3-dimethyl-	-	-	-
SVOC % Match	%	N/A	NONE	-	97	-	-	-

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143875	1143876	1143877	1143878	1143879
Sample Reference				BH15	DS101	DS102	DS104	DS105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs – WHO12								
PCB Congener 77	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 81	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 105	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 114	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 118	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 123	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 126	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 156	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 157	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 167	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 169	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
PCB Congener 189	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	-
Total PCBs	ug/l	0.3	NONE	< 0.300	< 0.300	< 0.300	< 0.300	-

Miscellaneous Organics

4-Nitrophenol	ug/L	0.05	ISO 17025	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143880	1143881	1143882	1143883	1143884
Sample Reference				DS124b	BH105	BH109	DS146	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	7.0	7.2	8.4	7.3	-
pH	pH Units	N/A	ISO 17025	-	-	-	-	7.1
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Complex Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Free Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10	< 10	< 10
Sulphate as SO_4	µg/l	45	ISO 17025	27300	6420	67600	114000	26900
Phenols by HPLC								
Catechol	µg/l	0.5	NONE	-	-	-	-	-
Resorcinol	µg/l	0.5	NONE	-	-	-	-	-
Ethylphenol & Dimethylphenol	µg/l	0.5	NONE	-	-	-	-	-
Cresols	µg/l	0.5	NONE	-	-	-	-	-
Naphthols	µg/l	0.5	NONE	-	-	-	-	-
Isopropylphenol	µg/l	0.5	NONE	-	-	-	-	-
Phenol	µg/l	0.5	NONE	-	-	-	-	-
Trimethylphenol	µg/l	0.5	NONE	-	-	-	-	-
Phenols by GC-MS								
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	-	-
Total Phenols								
Total Phenols (HPLC)	µg/l	3.5	NONE	-	-	-	-	-
Total Phenols (GC-MS)	µg/l	0.5	NONE	< 0.5	< 0.5	< 0.5	-	-

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143880	1143881	1143882	1143883	1143884
Sample Reference				DS124b	BH105	BH109	DS146	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	0.45	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	0.39	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	1.39	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	2.90	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	5.13	< 0.16	< 0.16	< 0.16	< 0.16
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	0.15	ISO 17025	2.35	0.51	1.65	1.19	0.28
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.05	0.05	< 0.02	< 0.02	0.04
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chromium (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	0.5	0.3	< 0.2
Copper (dissolved)	µg/l	0.5	ISO 17025	< 0.5	1.4	2.8	2.3	1.0
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	1.3	0.3	< 0.2
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.7	1.6	1.9	2.7	3.7
Zinc (dissolved)	µg/l	0.5	ISO 17025	< 0.5	4.0	2.3	0.7	3.9

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143880	1143881	1143882	1143883	1143884
Sample Reference				DS124b	BH105	BH109	DS146	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Aliphatic >C10 - C12	µg/l	10	ISO 17025	79	< 10	< 10	< 10	< 10
Aliphatic >C12 - C16	µg/l	10	ISO 17025	780	< 10	18	< 10	< 10
Aliphatic >C16 - C21	µg/l	10	ISO 17025	1200	< 10	14	< 10	< 10
Aliphatic >C21 - C35	µg/l	10	ISO 17025	2500	< 10	190	< 10	< 10
Total Aliphatic >C5 - C35	µg/l	10	ISO 17025	-	-	-	< 10	-
Aliphatic >C10 - C35	µg/l	10	ISO 17025	4600	< 10	220	< 10	< 10
Aromatic >C10 - C12	µg/l	10	ISO 17025	280	< 10	49	< 10	20
Aromatic >C12 - C16	µg/l	10	ISO 17025	2800	< 10	89	< 10	37
Aromatic >C16 - C21	µg/l	10	ISO 17025	5000	< 10	95	< 10	35
Aromatic >C21 - C35	µg/l	10	ISO 17025	7600	< 10	470	< 10	130
Total Aromatic >EC5 - EC35	µg/l	10	ISO 17025	-	-	-	< 10	-
Aromatic >C10 - C35	µg/l	10	ISO 17025	16000	< 10	710	< 10	220

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Project / Site name: Eastleigh

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Lab Sample Number				1143880	1143881	1143882	1143883	1143884
Sample Reference				DS124b	BH105	BH109	DS146	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143880	1143881	1143882	1143883	1143884
Sample Reference				DS124b	BH105	BH109	DS146	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		10	NONE	ND	ND	ND	ND	ND
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-
VOCs TICs Compound Name		10	NONE	-	-	-	-	-
VOC % Match	%	10	NONE	-	-	-	-	-

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Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143880	1143881	1143882	1143883	1143884
Sample Reference				DS124b	BH105	BH109	DS146	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	µg/l	0.01	ISO 17025	0.45	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	0.39	< 0.01	< 0.01	< 0.01	< 0.01
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	µg/l	0.01	ISO 17025	1.4	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	2.9	< 0.01	< 0.01	< 0.01	< 0.01
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143880	1143881	1143882	1143883	1143884
Sample Reference				DS124b	BH105	BH109	DS146	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	Indan, 1-methyl-	ND	Tetracosane	ND	Naphthalene, 2,6-dimethyl-
SVOC % Match	%	N/A	NONE	94	-	98	-	98
SVOCs TICs Compound Name		N/A	NONE	1H-Indene, 2,3-dihydro-5-methyl-	-	Heneicosane	-	Naphthalene, 2,3,6-trimethyl-
SVOC % Match	%	N/A	NONE	94	-	96	-	98
SVOCs TICs Compound Name		N/A	NONE	Benzene, 1-ethyl-3-methyl-	-	Tetradecane	-	Naphthalene, 1,6,7-trimethyl-
SVOC % Match	%	N/A	NONE	93	-	95	-	98
SVOCs TICs Compound Name		N/A	NONE	Decahydro-4,4,8,9,10-pentamethylnaphthalene	-	Eicosane	-	Naphthalene, 2,3-dimethyl-
SVOC % Match	%	N/A	NONE	93	-	95	-	97
SVOCs TICs Compound Name		N/A	NONE	Cyclotetradecane, 1,7,11-trimethyl-4-(1-methylethyl)-	-	Benzene, 1,3,5-trimethyl-	-	Heptadecane, 2,6-dimethyl-
SVOC % Match	%	N/A	NONE	93	-	94	-	97
SVOCs TICs Compound Name		N/A	NONE	Ethyl .alpha.-hydroxymyristate	-	Benzene, 1-ethyl-2,3-dimethyl-	-	Naphthalene, 1,4,6-trimethyl-
SVOC % Match	%	N/A	NONE	92	-	94	-	96
SVOCs TICs Compound Name		N/A	NONE	Pyridine-3-carboxamide, oxime, N-(2-trifluoromethylphenyl)-	-	3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)-	-	Naphthalene, 2,7-dimethyl-
SVOC % Match	%	N/A	NONE	92	-	93	-	95
SVOCs TICs Compound Name		N/A	NONE	Naphthalene, decahydro-2-methyl-	-	Naphthalene, 1,2,3,4-tetrahydro-5-methyl-	-	7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2,8-dione
SVOC % Match	%	N/A	NONE	91	-	93	-	95
SVOCs TICs Compound Name		N/A	NONE	-	-	Cyclotetradecane	-	-
SVOC % Match	%	N/A	NONE	-	-	93	-	-

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1143880	1143881	1143882	1143883	1143884
Sample Reference				DS124b	BH105	BH109	DS146	DS149
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				28/01/2019	28/01/2019	28/01/2019	29/01/2019	29/01/2019
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs – WHO12								
PCB Congener 77	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 81	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 105	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 114	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 118	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 123	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 126	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 156	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 157	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 167	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 169	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
PCB Congener 189	ug/l	0.02	NONE	< 0.020	< 0.020	-	-	-
Total PCBs	ug/l	0.3	NONE	< 0.300	< 0.300	-	-	-

Miscellaneous Organics

4-Nitrophenol	ug/L	0.05	ISO 17025	-	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1158138	1158139	1158140	1158141	
Sample Reference				DS123	DS102	DS144	DS143 NEW	
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	
Date Sampled				18/02/2019	18/02/2019	18/02/2019	18/02/2019	
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
General Inorganics								
pH	pH Units	N/A	ISO 17025	-	-	-	-	
pH	pH Units	N/A	ISO 17025	7.1	7.4	6.9	7.0	
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	-	-	
Complex Cyanide	µg/l	10	ISO 17025	< 10	< 10	-	-	
Free Cyanide	µg/l	10	ISO 17025	< 10	< 10	-	-	
Sulphate as SO_4	µg/l	45	ISO 17025	5470	16200	12600	9840	
Phenols by HPLC								
Catechol	µg/l	0.5	NONE	< 0.5	< 0.5	-	-	
Resorcinol	µg/l	0.5	NONE	< 0.5	< 0.5	-	-	
Ethylphenol & Dimethylphenol	µg/l	0.5	NONE	< 0.5	< 0.5	-	-	
Cresols	µg/l	0.5	NONE	< 0.5	< 0.5	-	-	
Naphthols	µg/l	0.5	NONE	< 0.5	< 0.5	-	-	
Isopropylphenol	µg/l	0.5	NONE	< 0.5	< 0.5	-	-	
Phenol	µg/l	0.5	NONE	< 0.5	< 0.5	-	-	
Trimethylphenol	µg/l	0.5	NONE	< 0.5	< 0.5	-	-	
Phenols by GC-MS								
Phenol	µg/l	0.05	NONE	-	-	-	-	
2,4,5-Trichlorophenol	µg/l	0.05	NONE	-	-	-	-	
2,4,6-Trichlorophenol	µg/l	0.05	NONE	-	-	-	-	
2,4-Dichlorophenol	µg/l	0.05	NONE	-	-	-	-	
2,4-Dimethylphenol	µg/l	0.05	NONE	-	-	-	-	
2-Chlorophenol	µg/l	0.05	NONE	-	-	-	-	
2-Methylphenol	µg/l	0.05	NONE	-	-	-	-	
2-Nitrophenol	µg/l	0.05	NONE	-	-	-	-	
4-Chloro-3-methylphenol	µg/l	0.05	NONE	-	-	-	-	
4-Methylphenol	µg/l	0.05	NONE	-	-	-	-	
Total Phenols								
Total Phenols (HPLC)	µg/l	3.5	NONE	< 3.5	< 3.5	-	-	
Total Phenols (GC-MS)	µg/l	0.5	NONE	-	-	-	-	

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1158138	1158139	1158140	1158141	
Sample Reference				DS123	DS102	DS144	DS143 NEW	
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	
Date Sampled				18/02/2019	18/02/2019	18/02/2019	18/02/2019	
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Speciated PAHs								
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	22.5	18.3	
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	6.14	7.06	
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	16.1	19.2	
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	36.0	42.7	
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	68.3	70.8	
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	3.26	3.24	
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	3.71	2.93	
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	4.84	6.43	
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Total PAH								
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	161	171	
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	0.15	ISO 17025	1.36	0.22	0.61	3.07	
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	0.09	0.05	< 0.02	
Chromium (hexavalent)	µg/l	5	ISO 17025	< 5.0	< 5.0	< 5.0	< 5.0	
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.2	2.9	2.1	3.1	
Copper (dissolved)	µg/l	0.5	ISO 17025	< 0.5	2.8	8.6	2.2	
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	1.9	< 0.2	
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05	
Nickel (dissolved)	µg/l	0.5	ISO 17025	3.0	7.3	3.3	13	
Zinc (dissolved)	µg/l	0.5	ISO 17025	3.2	5.3	3.7	3.0	

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Analytical Report Number: 19-26879

Project / Site name: Eastleigh

Your Order No: DS44109

Lab Sample Number				1158138	1158139	1158140	1158141	
Sample Reference				DS123	DS102	DS144	DS143 NEW	
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	
Date Sampled				18/02/2019	18/02/2019	18/02/2019	18/02/2019	
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	2000	1500	
TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	1100	< 1.0	
Aliphatic >C10 - C12	µg/l	10	ISO 17025	< 10	< 10	10000	11000	
Aliphatic >C12 - C16	µg/l	10	ISO 17025	< 10	< 10	45000	22000	
Aliphatic >C16 - C21	µg/l	10	ISO 17025	< 10	< 10	54000	21000	
Aliphatic >C21 - C35	µg/l	10	ISO 17025	< 10	< 10	34000	12000	
Total Aliphatic >C5 - C35	µg/l	10	ISO 17025	-	-	-	-	
Aliphatic >C10 - C35	µg/l	10	ISO 17025	< 10	< 10	140000	66000	
Aromatic >C10 - C12	µg/l	10	ISO 17025	< 10	< 10	16000	12000	
Aromatic >C12 - C16	µg/l	10	ISO 17025	< 10	< 10	78000	41000	
Aromatic >C16 - C21	µg/l	10	ISO 17025	< 10	< 10	92000	38000	
Aromatic >C21 - C35	µg/l	10	ISO 17025	< 10	< 10	52000	20000	
Total Aromatic >EC5 - EC35	µg/l	10	ISO 17025	-	-	-	-	
Aromatic >C10 - C35	µg/l	10	ISO 17025	< 10	< 10	240000	110000	

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Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	
Date Sampled				18/02/2019	18/02/2019	18/02/2019	18/02/2019	
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs								
Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0	< 1.0	
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	94.0	< 1.0	
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	19.1	
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	1010	< 1.0	
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	56.3	
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	64.8	
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0	< 1.0	

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Project / Site name: Eastleigh

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Sample Reference				DS123	DS102	DS144	DS143 NEW	
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	
Date Sampled				18/02/2019	18/02/2019	18/02/2019	18/02/2019	
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
VOCs TICs								
VOCs TICs Compound Name		10	NONE	-	-	-	-	
VOC % Match	%	10	NONE	-	-	-	-	
VOCs TICs Compound Name		10	NONE	-	-	-	-	
VOC % Match	%	10	NONE	-	-	-	-	
VOCs TICs Compound Name		10	NONE	-	-	-	-	
VOC % Match	%	10	NONE	-	-	-	-	
VOCs TICs Compound Name		10	NONE	-	-	-	-	
VOC % Match	%	10	NONE	-	-	-	-	
VOCs TICs Compound Name		10	NONE	-	-	-	-	
VOC % Match	%	10	NONE	-	-	-	-	
VOCs TICs Compound Name		10	NONE	-	-	-	-	
VOC % Match	%	10	NONE	-	-	-	-	
VOCs TICs Compound Name		10	NONE	-	-	-	-	
VOC % Match	%	10	NONE	-	-	-	-	

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Sample Reference				DS123	DS102	DS144	DS143 NEW	
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	
Date Sampled				18/02/2019	18/02/2019	18/02/2019	18/02/2019	
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs								
Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Isophorone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	22	18	
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	6.1	7.1	
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	16	19	
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	36	43	
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	68	71	
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	3.3	3.2	
Carbazole	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	3.7	2.9	
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	4.8	6.4	
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05	< 0.05	
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01	

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Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
SVOCs TICs								
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	
SVOC % Match	%	N/A	NONE	-	-	-	-	
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	
SVOC % Match	%	N/A	NONE	-	-	-	-	
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	
SVOC % Match	%	N/A	NONE	-	-	-	-	
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	
SVOC % Match	%	N/A	NONE	-	-	-	-	
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	
SVOC % Match	%	N/A	NONE	-	-	-	-	
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	
SVOC % Match	%	N/A	NONE	-	-	-	-	
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	
SVOC % Match	%	N/A	NONE	-	-	-	-	
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	
SVOC % Match	%	N/A	NONE	-	-	-	-	
SVOCs TICs Compound Name		N/A	NONE	-	-	-	-	
SVOC % Match	%	N/A	NONE	-	-	-	-	

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Your Order No: DS44109

Lab Sample Number				1158138	1158139	1158140	1158141	
Sample Reference				DS123	DS102	DS144	DS143 NEW	
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	
Date Sampled				18/02/2019	18/02/2019	18/02/2019	18/02/2019	
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
PCBs – WHO12								
PCB Congener 77	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 81	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 105	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 114	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 118	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 123	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 126	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 156	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 157	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 167	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 169	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
PCB Congener 189	ug/l	0.02	NONE	< 0.020	< 0.020	< 0.020	< 0.020	
Total PCBs	ug/l	0.3	NONE	< 0.300	< 0.300	< 0.300	< 0.300	

Miscellaneous Organics

4-Nitrophenol	ug/L	0.05	ISO 17025	-	< 0.05	-	-	

U/S = Unsuitable Sample I/S = Insufficient Sample

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number : 19-26879

Project / Site name: Eastleigh

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Complex cyanide in water	Determination of complex cyanide by calculation. Accredited matrices SW, PW, GW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Free cyanide in water	Determination of free cyanide by distillation followed by colorimetry.Accredited matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
Hexavalent chromium in water	Determination of hexavalent chromium in water by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method by continuous flow analyser. Accredited Matrices SW, GW, PW.	L080-PL	W	ISO 17025
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
PCBs WHO 12 in water	Determination of PCB by extraction with acetone and hexane followed by GC-MS.	In-house method based on USEPA 8082	L028-UK	W	NONE
pH in water	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L005-PL	W	ISO 17025
Phenols, speciated, in water, by GCMS	Determination of speciated phenols in water by extraction in hexane followed by GC-MS.	In-house method based on USEPA 8270	L070-PL	W	NONE
Phenols, speciated, in water, by HPLC	Determination of speciated phenols by HPLC.	In house method based on Blue Book Method.	L030-PL	W	NONE
Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds in leachate by extraction in dichloromethane followed by GC-MS.	In-house method based on USEPA 8270	L102B-PL	W	NONE
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW, PrW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025

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Analytical Report Number : 19-26879

Project / Site name: Eastleigh

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Tentatively identified compounds (SVOC) in water	Determination of semi-volatile organic compounds total ion count in water by extraction with hexane followed by GC-MS followed by a full library scan.	In-house method based on USEPA 8270	L070-PL	W	NONE
Tentatively identified compounds (VOC) in water	Determination of volatile organic compounds total ion count in water by headspace GC-MS followed by a full library scan.	In-house method based on USEPA8260	L073B-PL	W	NONE
Total cyanide in water	Determination of total cyanide by distillation followed by colorimetry. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
TPH C10-C35 by GCxGC-FID	Determination of total petroleum hydrocarbons in water by GC x GC FID with carbon banding aliphatic and aromatic C10-C35. Accredited Matrices SW,GW,PW.	In-house method	L101B-PL	W	ISO 17025
TPH Chromatogram in Water	TPH Chromatogram in Water.	In-house method	L070-PL	W	NONE
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	ISO 17025
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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.

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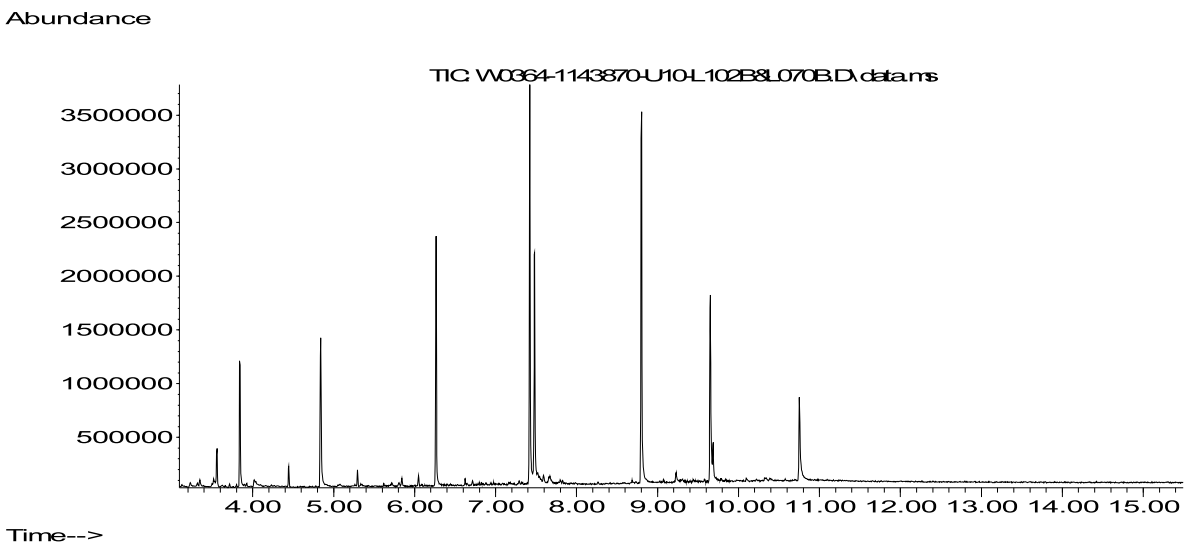
The results included within the report are representative of the samples submitted for analysis.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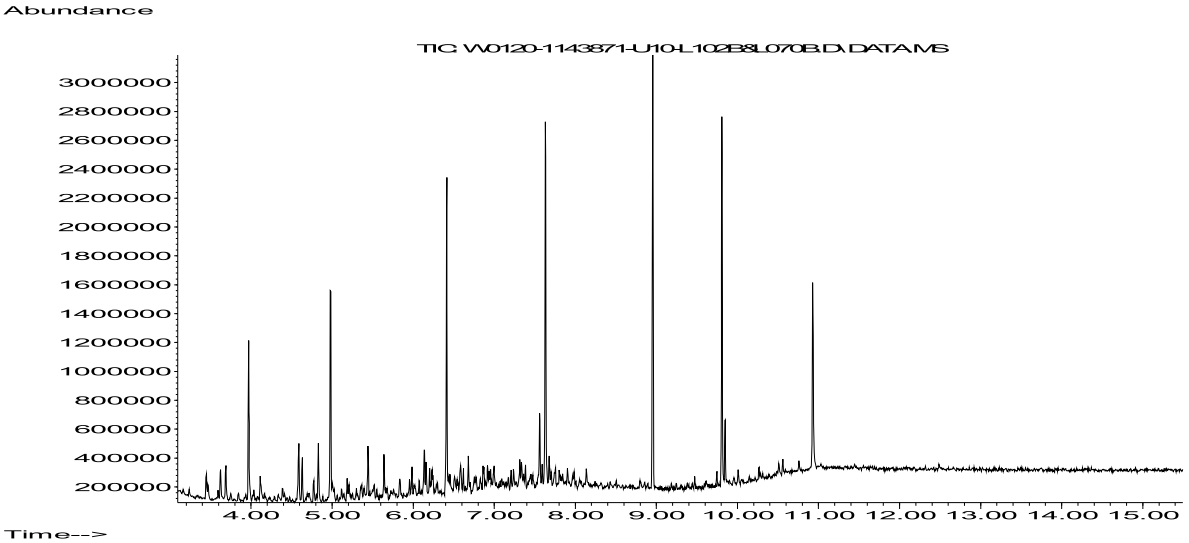
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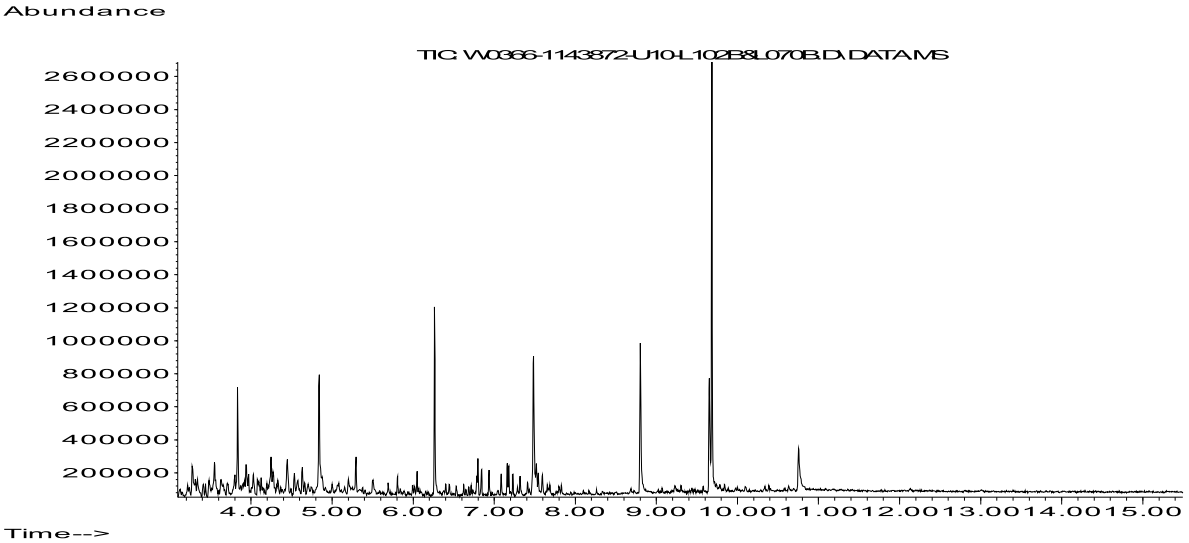
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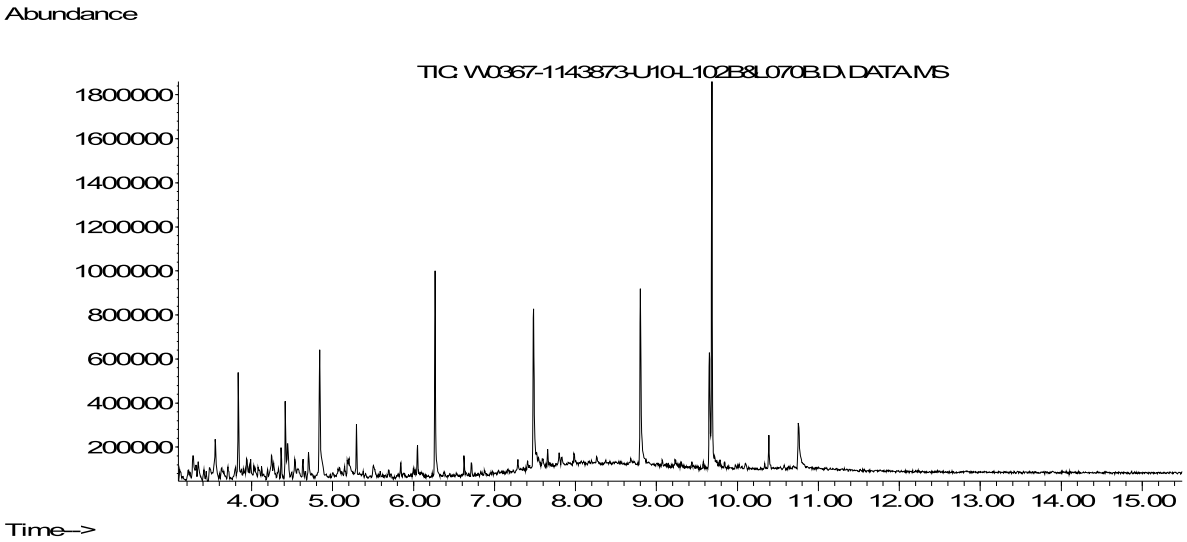
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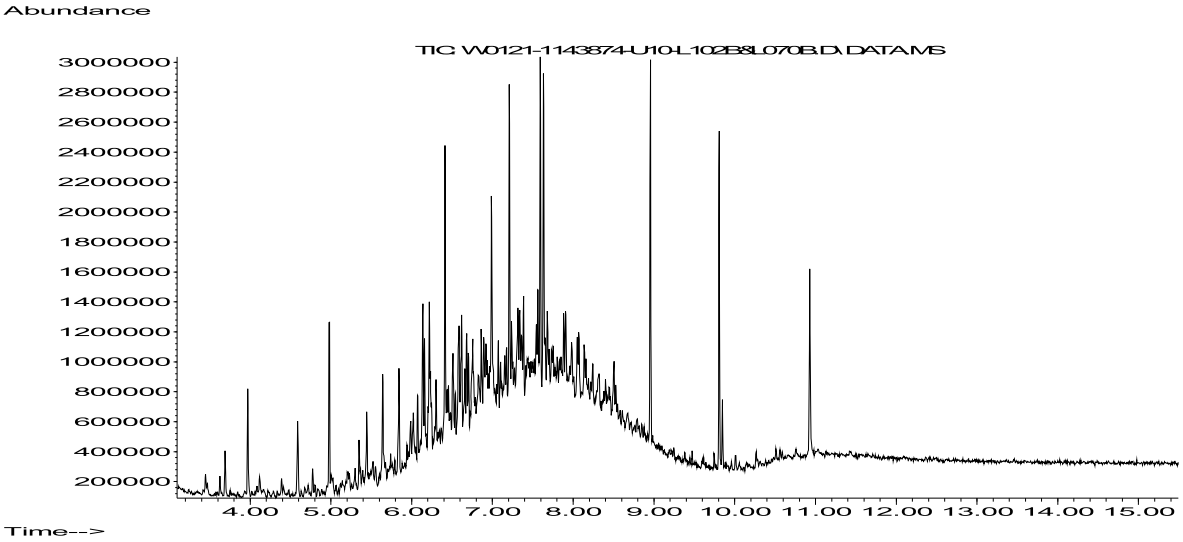
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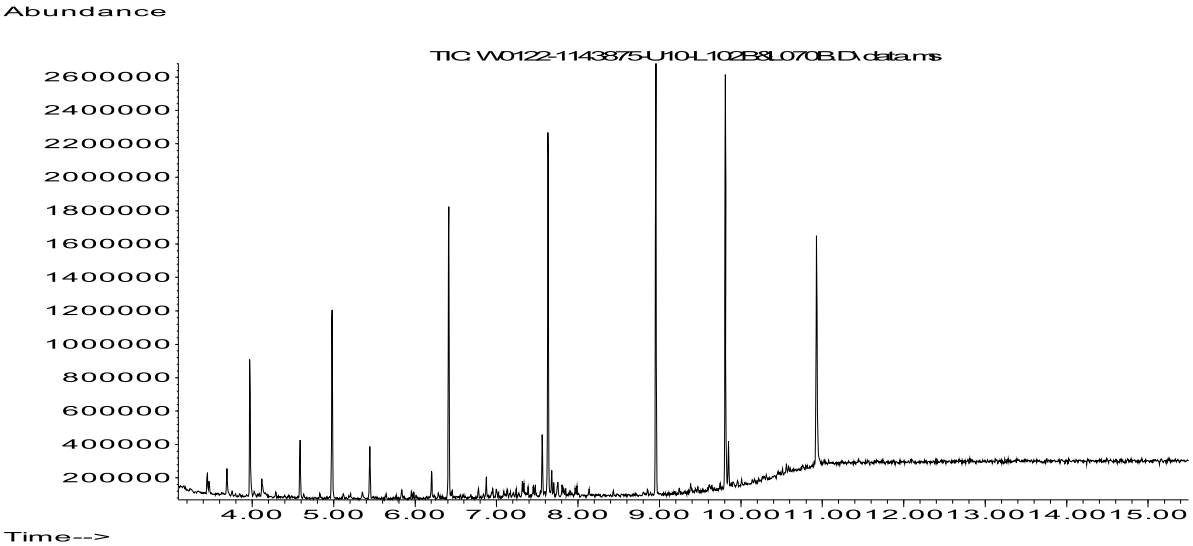
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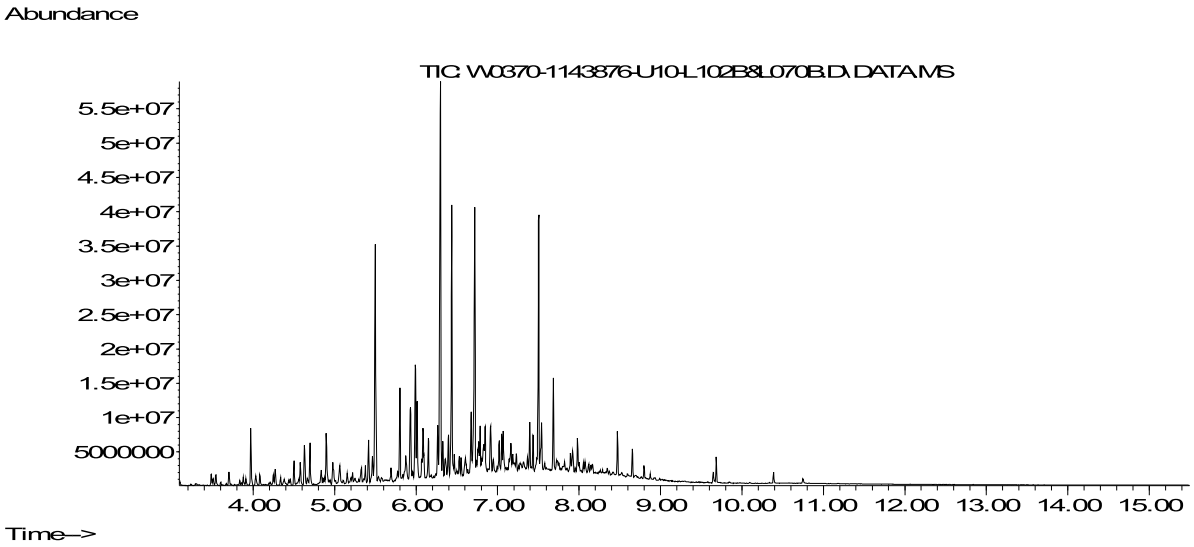
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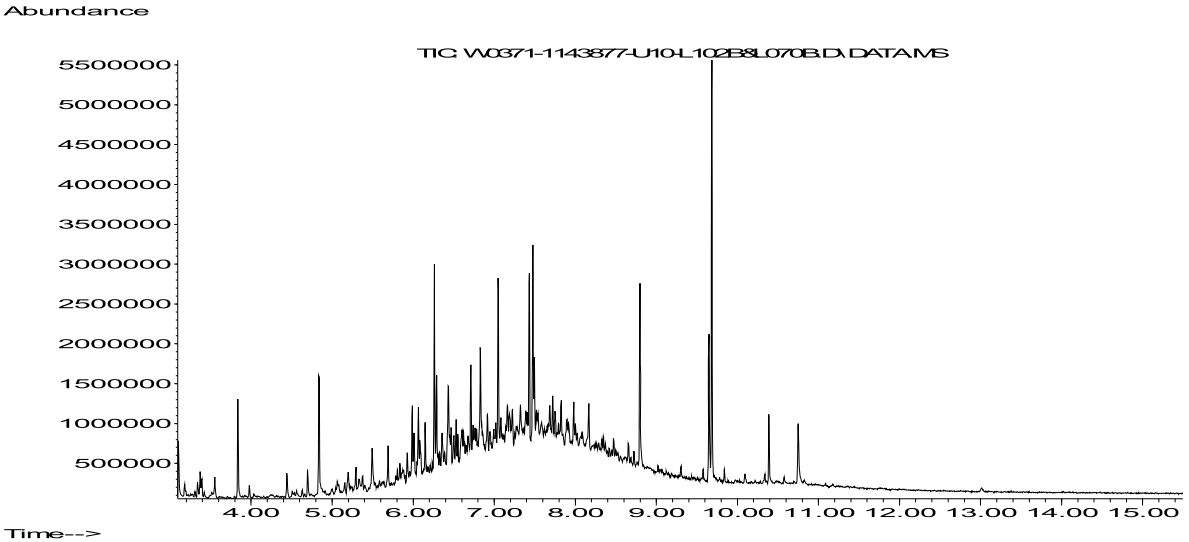
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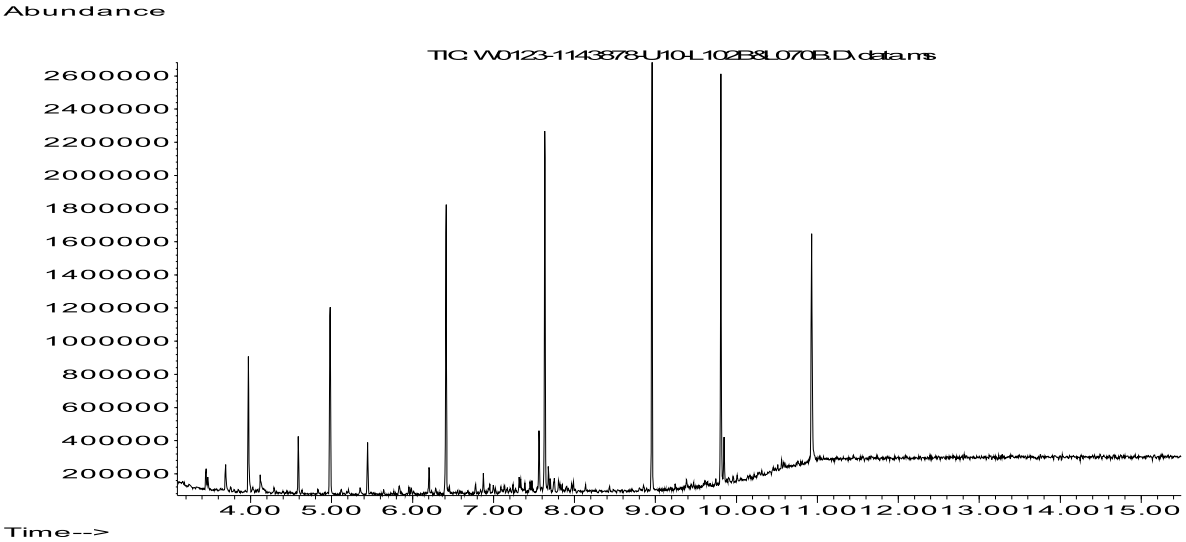
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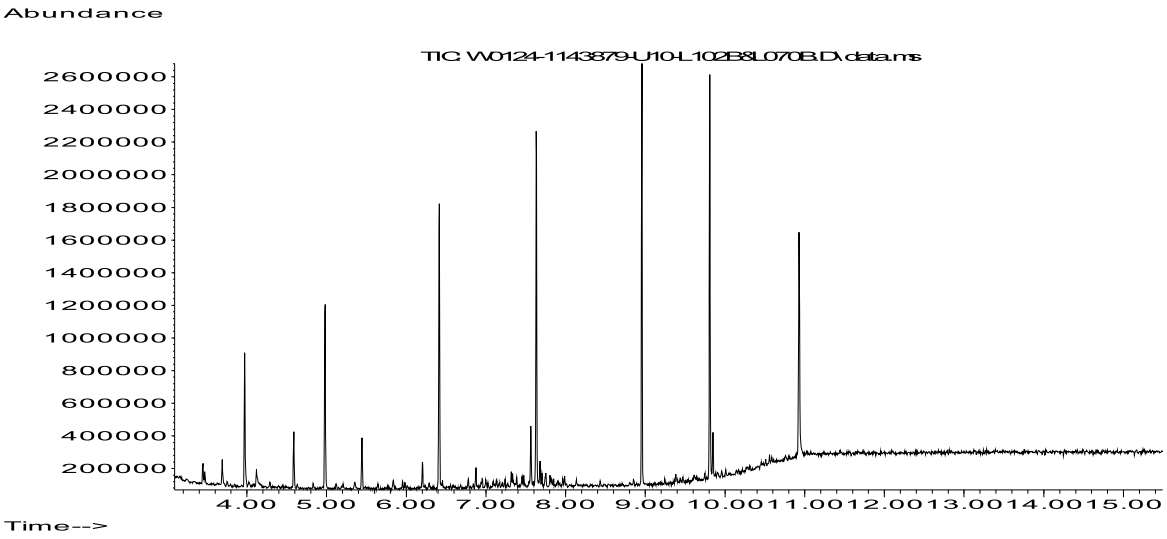
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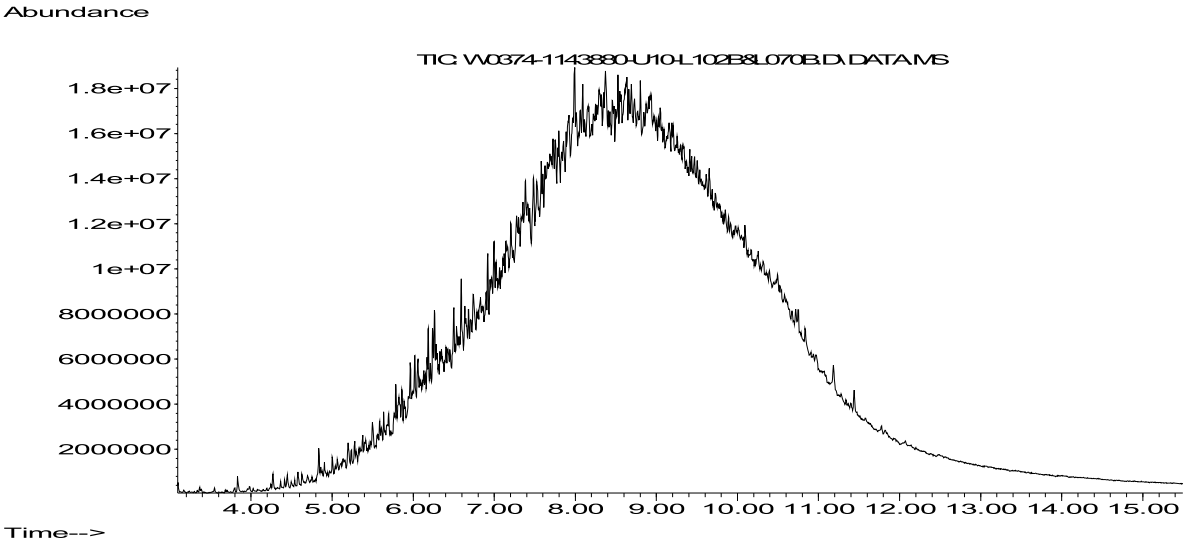
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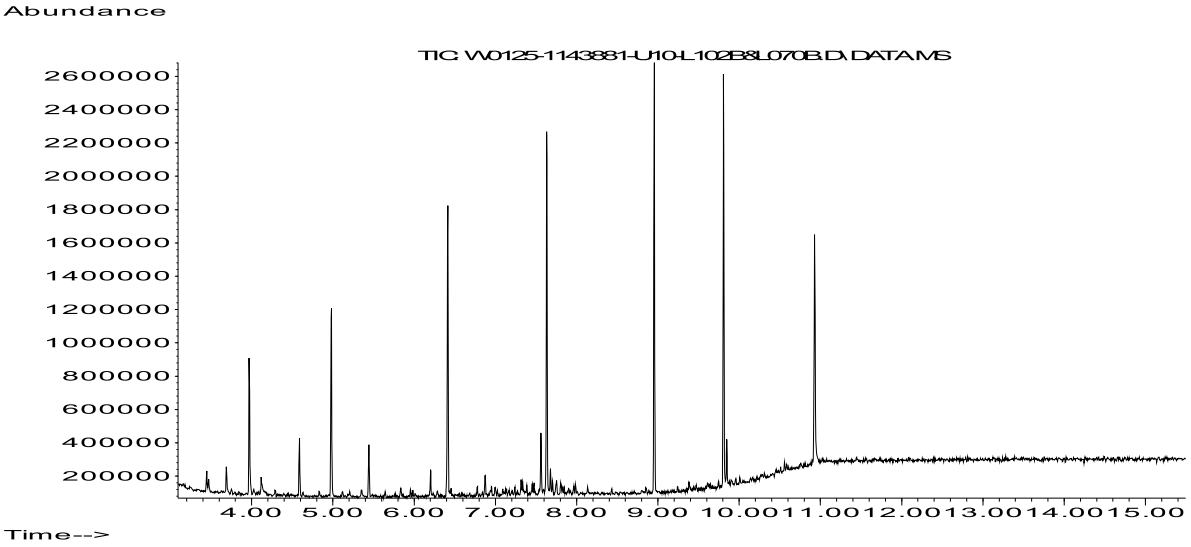
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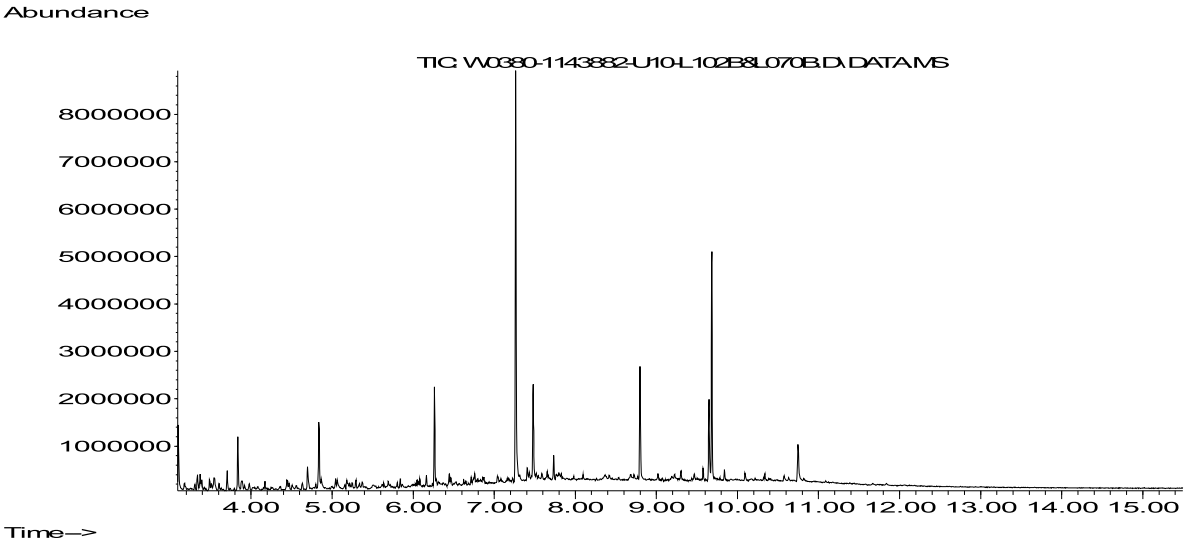
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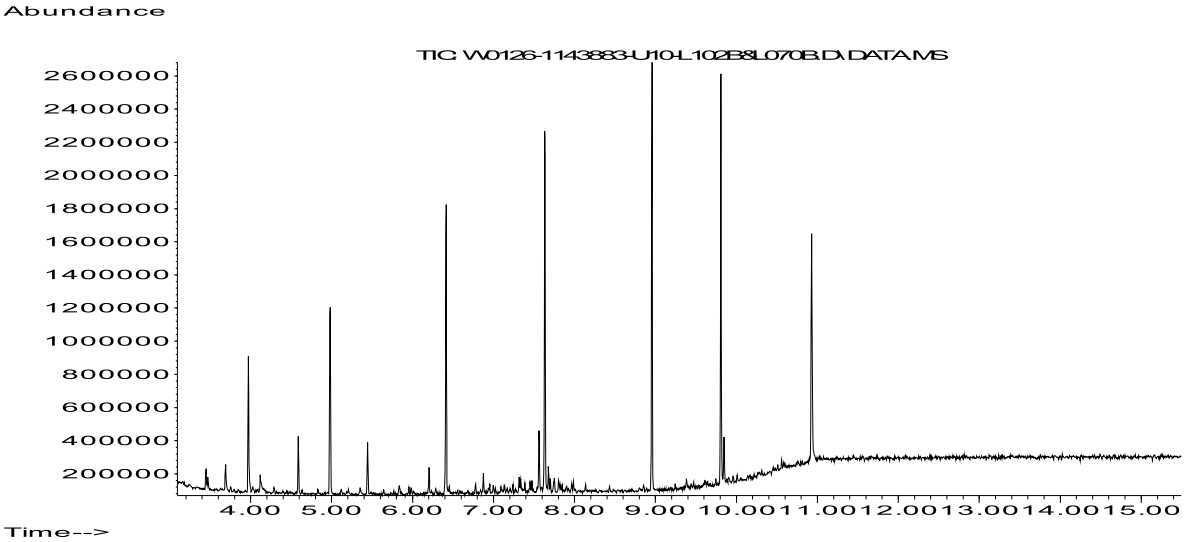
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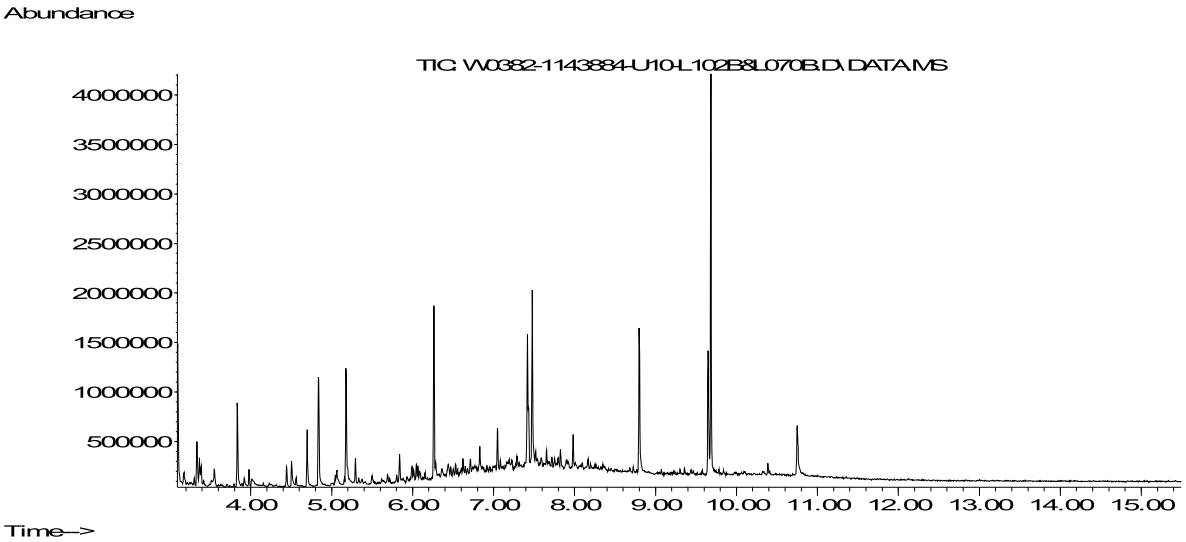
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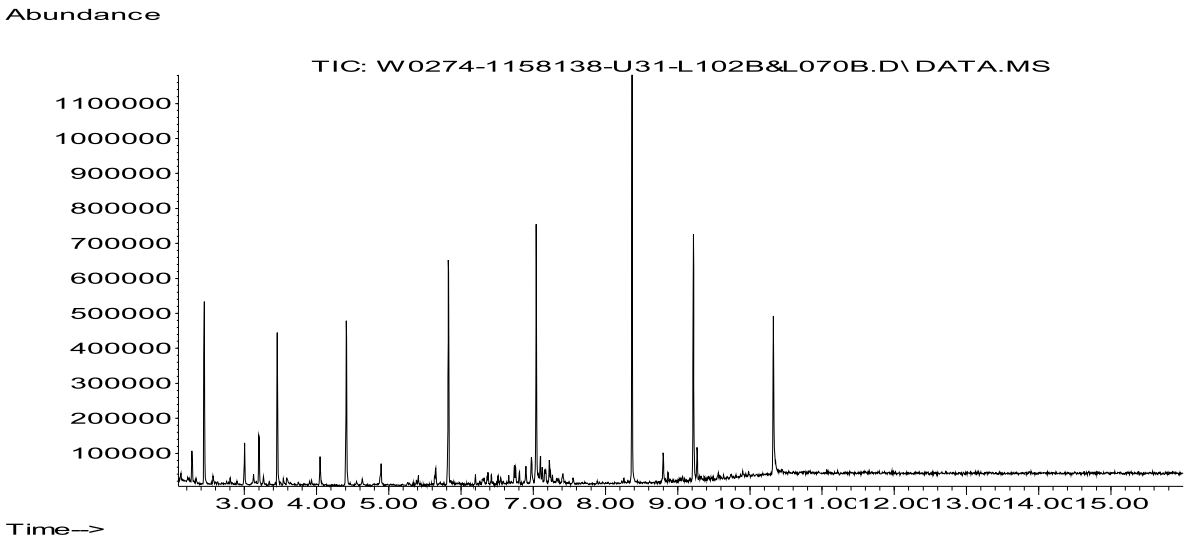
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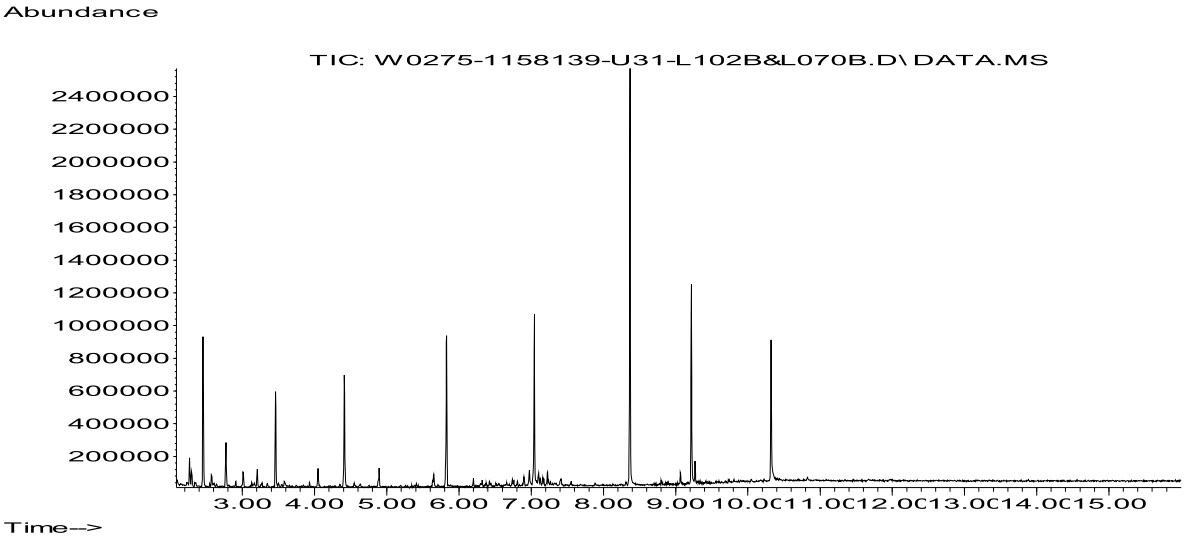
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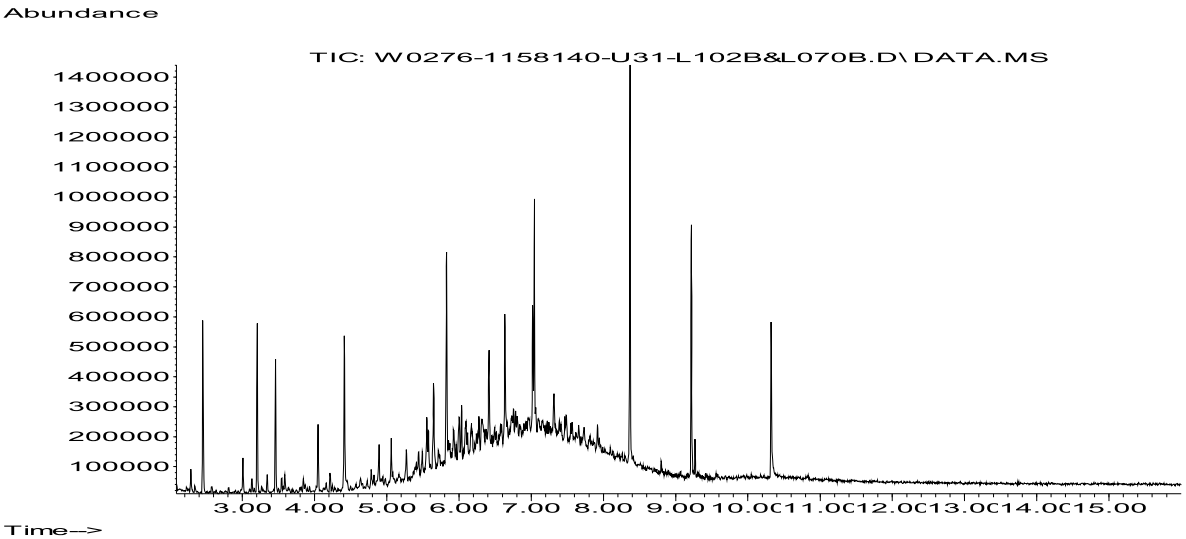
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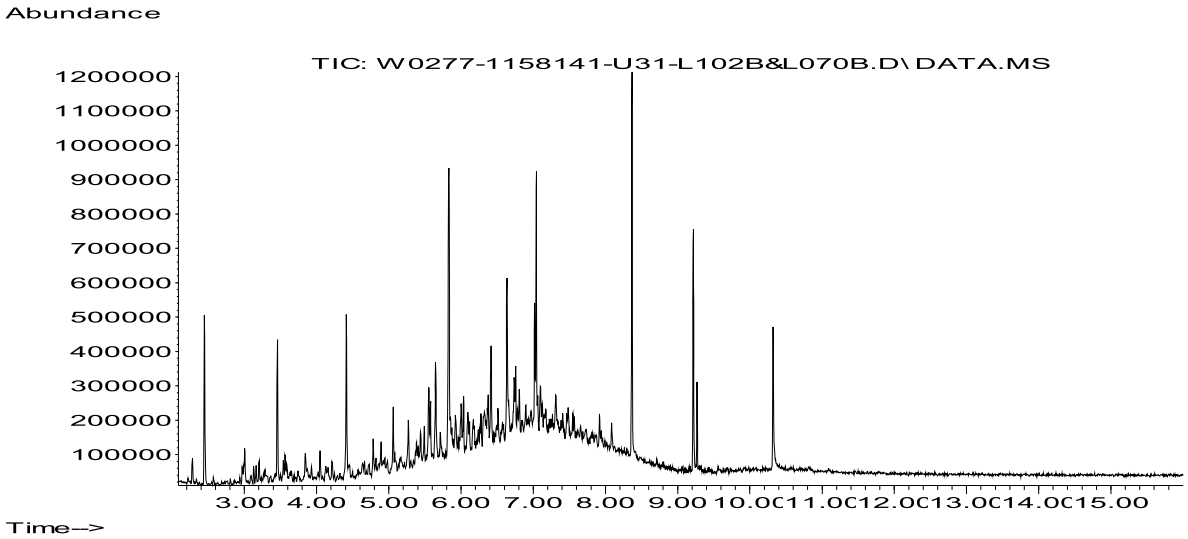
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Appendix F - Field Monitoring Data / Gas Monitoring Data

Site Name	Eastleigh Works	Job number	17-1080.05	WEATHER	Start	End
				Time	8.30	3.30
Client	Diageo Investment Fund Ltd.	Recorded by	BC + CF	Pressure (mb)	1007	994
				Wind speed (m/s)	1.50	1.50
Date (DD/MM/YYYY)	28/1/19 to 29/1/19			Wind Dir. (from)	WNW	S
Gas Analyser	GA2000 (LON) - GA10648	Visit Number	1	Temperature (°C)	1.00	7.00
Readings at start	CH_4 (% v/v) 0.1	CO_2 (% v/v) 0.1	O_2 (% v/v) 21.0	H_2S (ppm) 0	Dry/Rain/Snow/Ice	DRY / RAIN
General comments	Starting conditions taken on the 28 / 1 / 19, ending conditions taken on 29 / 01 / 19. Locations DS102b, DS123b, DS143b and DS144b installed on 11/2 and 12/2.			Rising/Falling Trend (for the three days before visit)	Falling/Rising	

Ref	GROUND GAS													GROUNDWATER			Notes
	Flow		CH_4		CO_2		O_2		H_2S	CO	VOC	Differential (Relative) Pressure	Atmos. Pressure	Depth to free product	Depth to water	Depth to base	(e.g. water colour, sheen, odour, damage to well or gas tap, flooded ground etc.)
	l/hr		% v/v		% v/v		% v/v		ppm								
	Max	Steady	Max	Steady	Max	Steady	Min	Steady	Max	Max	Max	mb	mb	m	m	m	
	The formulae require that only numbers, "<0.1" for ground gas and flow or "DRY" for groundwater are entered in the sheet																
BH101	NR	NR	NR	NR	NR	NR	NR	NR	<1	<1	NR	NR	NR	NR	NR	NR	CAR PARKED ON HOLE
BH102	NR	NR	NR	NR	NR	NR	NR	NR	<1	<1	NR	NR	NR	NR	NR	NR	CAR PARKED ON HOLE
BH103	19.2	2.2	0.1	0.1	0.7	0.7	19.7	19.7	<1	<1	4.4	0.2	1007	NR	4.05	13.66	
BH104	<0.1	<0.1	0.1	0.1	1.7	1.7	18.7	18.7	<1	<1	12.8	0.2	1007	NR	3.70	6.26	
BH105a	<0.1	<0.1	0.1	0.1	2.7	2.7	8.6	8.6	<1	<1	5.8	0.4	1010	NR	DRY	1.04	
BH105b	<0.1	<0.1	0.1	0.1	2.0	2.0	11.6	11.6	<1	<1	8.6	0.6	1010	NR	3.97	5.85	
BH106	<0.1	<0.1	0.1	0.1	0.5	0.5	16.9	17.0	<1	<1	13.8	0.4	996	NR	4.14	5.72	TAP LEFT OPEN
BH107	<0.1	<0.1	0.1	0.1	2.4	2.4	15.8	15.8	<1	<1	5.4	0.5	1010	NR	4.28	5.91	
BH109	<0.1	<0.1	0.1	0.1	0.9	0.9	6.9	6.9	<1	<1	9.5	0.2	1001	NR	4.16	5.78	
BH110	<0.1	<0.1	0.1	0.1	1.4	1.4	19.7	19.7	<1	<1	8.1	0.4	1011	NR	3.91	5.94	
BH111	<0.1	<0.1	0.1	0.1	1.8	1.8	5.0	5.0	6.0	<1	7.2	0.4	998	NR	4.28	6.14	
BH15	<0.1	<0.1	0.1	0.1	1.4	1.4	21.0	21.0	<1	<1	<0.1	0.2	1007	NR	3.40	4.55	Hydrocarbon odour
DS101	<0.1	<0.1	0.1	0.1	2.8	2.8	17.8	17.8	<1	<1	3.6	0.2	1007	NR	3.44	5.02	Hydrocarbon odour
DS102a	<0.1	<0.1	0.1	0.1	1.4	1.4	20.7	20.7	<1	<1	<0.1	0.2	1007	NR	3.46	3.71	
DS102b	NR	NR	NR	NR	NR	NR	NR	NR	<1	<1	NR	NR	NR	NR	NR	NR	
DS104	<0.1	<0.1	0.1	0.1	1.4	16.3	16.3	<0.1	<1	<1	0.2	0.2	1007	NR	3.72	5.03	
DS105	<0.1	<0.1	0.1	0.1	1.2	1.2	20.5	20.5	<1	<1	<0.1	0.2	1007	NR	3.84	4.80	
DS110	<0.1	<0.1	0.1	0.1	0.4	0.4	20.3	20.3	<1	<1	0.2	0.4	1009	NR	DRY	3.53	
DS111	<0.1	<0.1	0.1	0.1	0.7	0.7	20.0	20.0	<1	<1	<0.1	0.4	1009	NR	DRY	3.09	
DS112	<0.1	<0.1	0.1	0.1	0.5	0.5	20.0	20.0	<1	<1	0.1	0.4	1009	NR	DRY	4.07	
DS114	<0.1	<0.1	0.1	0.1	0.4	0.4	20.4	20.5	<1	<1	<0.1	0.4	1009	NR	DRY	3.11	
DS116	<0.1	<0.1	0.1	0.1	0.7	0.7	20.3	20.3	<1	<1	<0.1	0.4	1009	NR	DRY	3.62	
DS117	<0.1	<0.1	0.1	0.1	2.2	2.2	18.7	18.7	<1	<1	<0.1	<0.1	1011	NR	DRY	4.77	
DS118	<0.1	<0.1	0.1	0.1	0.5	0.5	19.6	19.7	<1	<1	<0.1	0.4	1009	NR	4.55	4.73	
DS120	<0.1	<0.1	0.1	0.1	0.1	0.1	20.0	20.0	<1	<1	<0.1	0.5	1010	NR	DRY	2.91	

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Site Name	Eastleigh Works	Job number	17-1080.05	WEATHER	Start	End
				Time	9.15	4.45
Client	Diageo Investment Fund Ltd.	Recorded by	BC	Pressure (mb)	1017	1018
				Wind speed (m/s)	7.60	NR
Date (DD/MM/YYYY)	04/02/2019			Wind Dir. (from)	SSW	NR
Gas Analyser	GA2000 (LON) - GA10648	Visit Number	2	Temperature (°C)	8.00	NR
Readings at start	CH_4 (% v/v) 0.1	CO_2 (% v/v) 0.1	O_2 (% v/v) 20.7	H_2S (ppm) 0	Dry/Rain/Snow/Ice	RAIN / RAIN
General comments	Locations DS102b. DS123b, DS143b and DS144b installed on the 11/2 and 12/2.				Rising/Falling Trend (for the three days before visit)	Rising

Ref	GROUND GAS													GROUNDWATER			Notes
	Flow		CH_4		CO_2		O_2		H_2S	CO	VOC	Differential (Relative) Pressure	Atmos. Pressure	Depth to free product	Depth to water	Depth to base	(e.g. water colour, sheen, odour, damage to well or gas tap, flooded ground etc.)
	l/hr		% v/v		% v/v		% v/v		ppm								
	Max	Steady	Max	Steady	Max	Steady	Min	Steady	Max	Max	Max	mb	mb	m	m	m	
	The formulae require that only numbers, "<0.1" for ground gas and flow or "DRY" for groundwater are entered in the sheet																
BH101	<0.1	<0.1	0.1	0.1	0.3	0.3	20.6	20.6	<1	<1	<0.1	0.3	1017	NR	3.45	5.93	COMPLETELY FLOODED - BUNG TAKEN OFF TO DRAIN
BH102	<0.1	<0.1	0.1	0.1	1.3	1.3	19.0	19.0	<1	<1	<0.1	0.3	1017	NR	4.03	4.94	HOLE FLOODED - BUNG TAKEN OFF TO DRAIN
BH103	9.4	-0.8	0.1	0.1	0.7	0.7	19.4	19.4	<1	<1	1.9	0.3	1017	NR	3.63	13.55	HOLE FLOODED - BUNG TAKEN OFF TO DRAIN
BH104	<0.1	<0.1	0.1	0.1	0.7	0.7	20.1	20.1	<1	<1	7.9	0.3	1017	NR	3.67	6.21	
BH105a	<0.1	<0.1	0.1	0.1	<0.1	<0.1	17.5	17.5	<1	<1	7.0	0.3	1018	NR	DRY	1.00	
BH105b	<0.1	<0.1	0.1	0.1	0.1	0.1	11.7	11.7	<1	<1	8.1	0.3	1018	NR	4.23	4.82	
BH106	<0.1	<0.1	0.1	0.1	0.4	0.4	19.0	19.0	<1	<1	6.6	0.3	1017	NR	4.12	5.53	
BH107	-0.1	<0.1	0.1	0.1	1.3	1.3	18.0	18.0	<1	<1	3.1	0.3	1017	NR	4.28	5.87	
BH109	NR	NR	NR	NR	NR	NR	NR	NR	<1	<1	NR	NR	NR	NR	NR	NR	CAR PARKED ON HOLE
BH110	<0.1	<0.1	0.1	0.1	2.3	2.3	17.0	17.0	<1	<1	16.6	0.3	1018	NR	3.91	5.93	
BH111	<0.1	<0.1	0.2	0.2	4.3	4.3	5.0	5.0	6	<1	97.4	0.3	1018	NR	4.26	5.92	
BH15	<0.1	<0.1	0.1	0.1	2.5	2.5	19.4	19.4	<1	<1	<0.1	0.3	1017	NR	3.36	4.54	
DS101	0.1	<0.1	0.1	0.1	2.5	2.5	18.2	18.2	<1	<1	2.6	0.3	1017	NR	3.41	5.01	
DS102a	NR	NR	NR	NR	NR	NR	NR	NR	<1	<1	NR	NR	NR	NR	NR	NR	CAR PARKED ON HOLE
DS102b	NR	NR	NR	NR	NR	NR	NR	NR	<1	<1	NR	NR	NR	NR	NR	NR	
DS104	<0.1	<0.1	0.1	0.1	0.1	0.1	20.7	20.7	<1	<1	<0.1	0.3	1017	NR	3.69	5.02	
DS105	<0.1	<0.1	0.1	0.1	1.7	1.7	18.7	18.7	<1	<1	<0.1	0.3	1017	NR	3.82	4.79	
DS110	-0.3	-0.1	0.1	0.1	0.3	0.3	20.6	20.6	<1	<1	<0.1	0.3	1017	NR	DRY	3.52	
DS111	-0.2	<0.1	0.1	0.1	0.7	0.7	20.3	20.3	<1	<1	<0.1	0.3	1017	NR	DRY	3.10	
DS112	-0.1	<0.1	0.1	0.1	1.0	1.0	19.0	19.0	<1	<1	<0.1	0.3	1017	NR	DRY	4.08	
DS114	0.3	0.2	0.1	0.1	0.7	0.7	18.9	19.0	<1	<1	<0.1	0.3	1017	NR	DRY	3.09	BUNG NOT INSTALLED PROPERLY - LOOSE FIT MEANS GAS IS ESCAPING
DS116	<0.1	<0.1	0.1	0.1	1.2	1.2	18.2	18.2	<1	<1	0.1	0.3	1017	NR	DRY	3.60	
DS117	<0.1	<0.1	0.1	0.1	0.9	0.9	20.2	20.2	<1	<1	<0.1	0.3	1017	NR	DRY	4.76	
DS118	<0.1	<0.1	0.1	0.1	0.2	0.2	20.1	20.1	<1	<1	<0.1	0.3	1017	NR	4.52	4.73	
DS120	NR	NR	NR	NR	NR	NR	NR	NR	<1	<1	NR	NR	NR	NR	NR	NR	LORRY PARKED OVER HOLE

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Site Name	Eastleigh Works	Job number	17-1080.05	WEATHER	Start	End
				Time	8:45	16:00
Client	Diageo Investment Fund Ltd.	Recorded by	BC	Pressure (mb)	1016	1025
				Wind speed (m/s)	1.34	3.58
Date (DD/MM/YYYY)	11/02/2019			Wind Dir. (from)	W	NNW
Gas Analyser	GA2000 (LON) - GA10648	Visit Number	3	Temperature (°C)	6.00	9.00
Readings at start	CH_4 (% v/v) 0.1	CO_2 (% v/v) 0.1	O_2 (% v/v) 20.2	H_2S (ppm) 0	Dry/Rain/Snow/Ice	Dry / Dry
General comments	Locations DS102b, DS123b, DS143b and DS144b installed on 11/2 and 12/2.				Rising/Falling Trend (for the three days before visit)	Rising

Ref	GROUND GAS													GROUNDWATER			Notes
	Flow		CH_4		CO_2		O_2		H_2S	CO	VOC	Differential (Relative) Pressure	Atmos. Pressure	Depth to free product	Depth to water	Depth to base	(e.g. water colour, sheen, odour, damage to well or gas tap, flooded ground etc.)
	l/hr		% v/v		% v/v		% v/v		ppm								
	Max	Steady	Max	Steady	Max	Steady	Min	Steady	Max	Max	Max	mb	mb	m	m	m	
	The formulae require that only numbers, "<0.1" for ground gas and flow or "DRY" for groundwater are entered in the sheet																
BH101	<0.1	<0.1	0.1	0.1	0.7	0.7	19.8	19.8	<1	<1	0.2	0.5	1026	NR	3.26	5.90	Flooded-Bung taken off to drain
BH102	-0.5	<0.1	0.1	0.1	1.5	1.5	18.7	18.7	<1	<1	0.1	0.5	1026	NR	3.75	4.93	Flooded-Bung taken off to drain
BH103	5.7	0.6	0.1	0.1	0.7	0.7	18.9	18.9	<1	<1	3.6	0.5	1026	NR	3.55	12.80	
BH104	<0.1	<0.1	0.1	0.1	1.5	1.5	17.0	17.0	<1	<1	16.4	0.5	1026	NR	3.46	6.18	
BH105a	<0.1	<0.1	0.1	0.1	0.1	0.1	20.0	20.0	<1	<1	7.1	0.2	1028	NR	DRY	1.00	
BH105b	<0.1	<0.1	<0.1	<0.1	0.2	0.2	17.4	17.4	<1	<1	10.7	0.2	1028	NR	3.71	5.80	
BH106	NR	NR	NR	NR	NR	NR	NR	NR	<1	<1	NR	NR	NR	NR	NR	NR	CAR PARKED ON HOLE
BH107	<0.1	<0.1	0.1	0.1	2.2	2.2	17.0	17.0	<1	<1	7.9	0.5	1026	NR	4.02	5.85	
BH109	10.1	<0.1	0.1	0.1	0.8	0.8	13.2	13.2	<1	<1	9.8	0.2	1028	NR	3.91	5.70	
BH110	<0.1	<0.1	0.1	0.1	1.7	1.7	19.6	19.6	<1	<1	16.5	0.2	1028	NR	3.70	5.88	
BH111	0.1	<0.1	0.1	0.1	0.6	0.6	9.2	9.6	6	<1	63.8	0.5	1026	NR	3.96	5.90	
BH15	<0.1	<0.1	0.1	0.1	1.9	1.9	19.4	19.4	<1	<1	0.0	0.5	1026	NR	3.13	4.55	
DS101	<0.1	<0.1	0.1	0.1	2.8	2.8	17.8	17.8	<1	<1	2.2	0.5	1026	NR	3.18	5.02	
DS102a	<0.1	<0.1	0.1	0.1	0.9	0.9	19.9	19.9	<1	<1	<0.1	0.3	1029	NR	3.53	3.70	
DS102b	NR	NR	NR	NR	NR	NR	NR	NR	<1	<1	NR	NR	NR	NR	NR	NR	
DS104	<0.1	<0.1	0.1	0.1	1.3	1.3	14.9	14.9	<1	<1	0.1	0.5	1026	NR	3.49	5.02	
DS105	<0.1	<0.1	0.1	0.1	1.2	1.2	19.6	19.6	<1	<1	<0.1	0.5	1026	NR	3.64	4.80	
DS110	<0.1	<0.1	0.1	0.1	0.3	0.3	20.0	20.0	<1	<1	<0.1	0.5	1026	NR	3.55	3.60	
DS111	<0.1	<0.1	0.1	0.1	0.7	0.7	19.9	19.9	<1	<1	<0.1	0.5	1026	NR	DRY	3.10	
DS112	<0.1	<0.1	0.1	0.1	0.8	0.8	18.9	18.9	<1	<1	0.2	0.5	1026	NR	DRY	4.09	
DS114	<0.1	<0.1	0.1	0.1	0.1	0.1	20.1	20.1	<1	<1	<0.1	0.5	1026	NR	DRY	3.11	
DS116	0.1	<0.1	0.1	0.1	0.8	0.8	19.6	19.6	<1	<1	<0.1	0.5	1026	NR	3.55	3.60	
DS117	<0.1	<0.1	0.1	0.1	1.0	1.0	19.7	19.7	<1	<1	<0.1	0.2	1026	NR	4.72	4.77	
DS118	<0.1	<0.1	0.1	0.1	0.3	0.3	19.6	19.6	<1	<1	0.1	0.5	1026	NR	4.22	4.75	
DS120	<0.1	<0.1	0.1	0.1	0.1	0.1	20.1	20.1	<1	<1	<0.1	0.5	1026	NR	DRY	2.91	

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Site Name	Eastleigh Works	Job number	17-1080.05	WEATHER	Start	End
				Time	8:45	5
Client	Diageo Investment Fund Ltd.	Recorded by	BC	Pressure (mb)	1017	1016
				Wind speed (m/s)	1.50	1.30
Date (DD/MM/YYYY)	18/02/2019			Wind Dir. (from)	SSW	SSW
Gas Analyser	GA2000 (LON) - GA10648	Visit Number	4	Temperature (°C)	8.00	8.00
Readings at start	CH_4 (% v/v) 0.1	CO_2 (% v/v) 0.1	O_2 (% v/v) 20.3	H_2S (ppm) 0	Dry/Rain/Snow/Ice	RAIN / RAIN
General comments	Locations DS102b, DS123b, DS143b and DS144b installed on the 11/2 and 12/2.				Rising/Falling Trend (for the three days before visit)	Falling

Ref	GROUND GAS													GROUNDWATER			Notes
	Flow		CH_4		CO_2		O_2		H_2S	CO	VOC	Differential (Relative) Pressure	Atmos. Pressure	Depth to free product	Depth to water	Depth to base	(e.g. water colour, sheen, odour, damage to well or gas tap, flooded ground etc.)
	l/hr		% v/v		% v/v		% v/v		ppm								
	Max	Steady	Max	Steady	Max	Steady	Min	Steady	Max	Max	Max	mb	mb	m	m	m	
	The formulae require that only numbers, "<0.1" for ground gas and flow or "DRY" for groundwater are entered in the sheet																
BH101	<0.1	<0.1	0.1	0.1	3.3	3.3	17.7	17.7	<1	<1	0.8	0.3	1017	NR	3.37	5.94	
BH102	<0.1	<0.1	0.1	0.1	1.9	1.9	18.1	18.1	<1	<1	0.5	0.3	1016	NR	3.84	4.93	
BH103	-6.2	-0.4	0.1	0.1	0.6	0.6	18.1	18.1	<1	<1	0.5	0.3	1016	NR	3.84	12.75	
BH104	<0.1	<0.1	0.1	0.1	1.5	1.5	17.2	17.2	<1	<1	19.2	0.3	1017	NR	3.55	6.13	
BH105a	0.1	0.1	0.1	0.1	0.7	0.1	17.0	19.7	<1	<1	<0.1	7.6	1016	NR	DRY	1.00	
BH105b	0.1	0.1	0.1	0.1	0.7	0.2	17.0	17.0	<1	<1	<0.1	0.3	1016	NR	3.75	5.78	
BH106	<0.1	<0.1	0.1	0.1	0.3	0.3	19.6	19.6	<1	<1	6.4	NR	1016	NR	3.93	5.51	
BH107	<0.1	<0.1	0.1	0.1	1.9	1.9	18.4	18.4	<1	<1	9.7	NR	1016	NR	4.06	5.86	
BH109	0.1	0.1	0.1	0.1	2.2	2.1	11.6	11.6	<1	<1	9.0	0.4	1016	NR	3.75	5.78	
BH110	0.1	0.1	0.1	0.1	1.8	1.8	18.8	18.8	<1	<1	27.8	NR	1015	NR	3.73	5.88	
BH111	0.1	<0.1	0.4	0.1	7.5	0.1	6.2	6.2	6	<1	21.0	0.3	1016	NR	4.05	5.90	Free product with strong hydro carbon smell
BH15	<0.1	<0.1	0.1	0.1	2.0	2.0	18.5	18.6	<1	<1	<0.1	0.3	1017	NR	3.31	5.91	
DS101	<0.1	<0.1	0.1	0.1	2.5	2.5	18.0	18.0	<1	<1	1.5	0.3	1017	NR	3.30	5.01	
DS102a	-0.1	<0.1	0.1	0.1	0.9	0.9	19.3	19.3	<1	<1	2.9	0.3	1017	NR	3.39	3.69	
DS102b	<0.1	<0.1	0.3	0.3	7.5	5.5	6.0	6.0	<1	<1	474.6	0.3	1016	NR	4.10	5.95	Sheen on water
DS104	<0.1	<0.1	0.1	0.1	1.8	1.8	14.7	14.7	<1	<1	0.3	0.3	1016	NR	3.59	5.00	
DS105	<0.1	<0.1	0.1	0.1	0.7	0.7	19.8	19.8	<1	<1	0.1	0.3	1016	NR	3.73	5	
DS110	0.1	0.1	0.1	0.1	0.3	0.3	20.2	20.2	<1	<1	0.2	NR	1016	NR	DRY	3.51	
DS111	<0.1	<0.1	0.1	0.1	0.7	0.7	19.8	19.8	<1	<1	0.2	NR	1016	NR	DRY	3.06	
DS112	<0.1	<0.1	0.1	0.1	0.6	0.6	19.3	19.3	<1	<1	0.4	NR	1016	NR	DRY	4.07	
DS114	<0.1	<0.1	0.1	0.1	1.1	1.1	16.3	16.3	<1	<1	0.5	NR	1016	NR	DRY	3.45	
DS116	<0.1	<0.1	0.1	0.1	6.1	1.5	17.4	17.4	<1	<1	0.3	NR	1016	NR	DRY	3.55	Damp at base
DS117	NR	NR	NR	NR	NR	NR	NR	NR	<1	<1	NR	NR	NR	NR	NR	NR	UNABLE TO LOCATE HOLE - UNDERNEATH PARKED CARS
DS118	<0.1	<0.1	0.1	0.1	0.2	0.2	20.0	20.0	<1	<1	0.1	NR	1016	NR	4.28	4.76	
DS120	<0.1	<0.1	0.1	0.1	0.1	0.1	20.4	20.4	<1	<1	<0.1	NR	1016	NR	DRY	2.92	

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Site Name	Eastleigh Works	Job number	17-1080.05	WEATHER	Start	End
				Time	8.30	3.30
Client	Diageo Investment Fund Ltd.	Recorded by	BC + CF	Pressure (mb)	1007	994
				Wind speed (m/s)	1.50	1.50
Date (DD/MM/YYYY)	28/1/19 to 29/1/19			Wind Dir. (from)	WNW	S
Gas Analyser	GA2000 (LON) - GA10648	Visit Number	1	Temperature (°C)	1.00	7.00
Readings at start	CH_4 (% v/v) 0.1	CO_2 (% v/v) 0.1	O_2 (% v/v) 21.0	H_2S (ppm) 0	Dry/Rain/Snow/Ice	DRY / RAIN
General comments	Locations DS102b, DS123b, DS143b and DS144b installed on 11/2 and 12/2.				Rising/Falling Trend (for the three days before visit)	Falling/Rising

Ref	GROUND GAS													GROUNDWATER			Notes (e.g. water colour, sheen, odour, damage to well or gas tap, flooded ground etc.)
	Flow		CH_4		CO_2		O_2		H_2S	CO	VOC	Differential (Relative) Pressure	Atmos. Pressure	Depth to free product	Depth to water	Depth to base	
	l/hr		% v/v		% v/v		% v/v		ppm								
	Max	Steady	Max	Steady	Max	Steady	Min	Steady	Max	Max	Max	mb	mb	m	m	m	
	The formulae require that only numbers, "<0.1" for ground gas and flow or "DRY" for groundwater are entered in the sheet																
DS122	<0.1	<0.1	0.1	0.1	2.7	2.7	15.2	15.2	<1	<1	0.8	0.4	999	NR	DRY	4.13	
DS123a	<0.1	<0.1	0.1	0.1	2.3	2.3	17.0	17.0	<1	<1	0.2	0.5	1010	NR	DRY	4.39	
DS123b	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
DS124a	<0.1	<0.1	0.1	0.1	6.9	6.9	1.7	1.7	<1	<1	7.6	0.3	1010	NR	DRY	0.57	
DS124b	<0.1	<0.1	0.1	0.1	6.3	6.3	6.2	<0.1	<1	<1	1.0	0.3	1010	NR	4.16	5.04	
DS128	<0.1	<0.1	0.1	0.1	3.4	3.4	12.9	13.0	<1	<1	0.1	0.3	1010	NR	DRY	3.69	
DS132	<0.1	<0.1	0.1	0.1	3.3	3.3	10.2	10.2	<1	<1	0.1	0.4	1011	NR	DRY	3.86	
DS133	<0.1	<0.1	0.1	0.1	0.3	0.3	20.5	20.5	<1	<1	0.2	0.5	1011	NR	DRY	3.93	
DS135	0.1	0.1	4.6	4.6	3.5	3.5	0.1	0.1	<1	<1	0.8	0.5	1001	NR	4.37	4.88	
DS136	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	CANNOT IDENTIFY LOCATION - CARS PARKED OVER HOLE
DS139	<0.1	<0.1	3.0	3.0	5.8	5.8	<0.1	<0.1	<1	<1	0.4	0.4	996	NR	DRY	4.06	
DS141	0.1	<0.1	0.1	0.1	6.6	6.6	6.3	6.3	<1	<1	0.5	0.4	1002	NR	DRY	4.14	
DS143a	<0.1	<0.1	0.7	0.7	6.6	6.6	3.9	3.9	<1	13	198.5	0.4	998	NR	4.28	4.40	
DS143b	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
DS144a	<0.1	<0.1	0.5	0.5	8.2	8.1	0.1	0.1	<1	<1	184.5	0.4	997	NR	4.29	4.36	
DS144b	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
DS146	<0.1	<0.1	2.3	2.3	5.4	5.4	0.1	0.1	<1	<1	<0.1	0.5	1000	NR	4.09	4.98	
DS149	<0.1	<0.1	0.1	0.1	5.0	5.6	7.8	9.2	<1	<1	0.3	0.4	1002	NR	4.11	5.06	

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Site Name	Eastleigh Works	Job number	17-1080.05	WEATHER	Start	End
				Time	9.15	4.45
Client	Diageo Investment Fund Ltd.	Recorded by	BC	Pressure (mb)	1017	1018
				Wind speed (m/s)	7.60	NR
Date (DD/MM/YYYY)	04/02/2019			Wind Dir. (from)	SSW	NR
Gas Analyser	GA2000 (LON) - GA10648	Visit Number	2	Temperature (°C)	8.00	NR
Readings at start	CH_4 (% v/v) 0.1	CO_2 (% v/v) 0.1	O_2 (% v/v) 20.7	H_2S (ppm) 0	Dry/Rain/Snow/Ice	RAIN / RAIN
General comments	Locations DS102b, DS123b, DS143b and DS144b installed on the 11/2 and 12/2.				Rising/Falling Trend (for the three days before visit)	Rising

Ref	GROUND GAS													GROUNDWATER			Notes
	Flow		CH_4		CO_2		O_2		H_2S	CO	VOC	Differential (Relative) Pressure	Atmos. Pressure	Depth to free product	Depth to water	Depth to base	(e.g. water colour, sheen, odour, damage to well or gas tap, flooded ground etc.)
	l/hr		% v/v		% v/v		% v/v		ppm								
	Max	Steady	Max	Steady	Max	Steady	Min	Steady	Max	Max	Max	mb	mb	m	m	m	
	The formulae require that only numbers, "<0.1" for ground gas and flow or "DRY" for groundwater are entered in the sheet																
DS122	<0.1	<0.1	0.1	0.1	1.2	1.2	19.5	19.5	<1	<1	<0.1	0.3	1017	NR	DRY	4.12	
DS123a	-0.1	-0.1	0.1	0.1	1.2	1.2	19.2	19.2	<1	<1	<0.1	0.3	1017	NR	DRY	4.39	
DS123b	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
DS124a	<0.1	<0.1	0.2	0.2	5.5	5.7	0.3	0.3	<1	<1	4.0	0.3	1017	NR	DRY	0.57	
DS124b	<0.1	<0.1	0.2	0.2	7.1	7.1	0.6	0.6	<1	<1	2.9	0.3	1017	NR	4.14	5.02	
DS128	<0.1	<0.1	0.1	0.1	2.7	2.7	12.7	12.7	<1	<1	<0.1	0.3	1017	NR	DRY	3.69	
DS132	<0.1	<0.1	0.1	0.1	2.7	2.7	13.8	13.8	<1	<1	<0.1	0.3	1018	NR	DRY	3.88	
DS133	<0.1	<0.1	0.1	0.1	2.6	2.6	14.2	14.2	<1	<1	0.1	0.3	1018	NR	DRY	3.95	
DS135	<0.1	<0.1	2.9	2.9	1.7	1.7	7.9	7.9	<1	<1	0.3	0.3	1018	NR	4.28	4.89	HOLE FLOODED COMPLETELY - BUNG TAKEN OFF TO DRAIN
DS136	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	UNABLE TO LOCATE HOLE - UNDERNEATH PARKED CARS
DS139	<0.1	<0.1	2.6	2.6	4.7	4.7	<0.1	<0.1	<1	<1	0.3	0.3	1018	NR	DRY	4.06	DAMP AT BASE
DS141	<0.1	<0.1	0.1	<0.1	4.6	4.6	9.0	9.0	<1	<1	0.5	0.3	1018	NR	DRY	4.14	
DS143a	<0.1	<0.1	0.6	0.6	5.0	5.0	5.0	5.0	<1	<1	181.7	0.3	1018	NR	4.32	4.39	COULD NOT GET SAMPLE
DS143b	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
DS144a	<0.1	<0.1	0.5	0.5	8.9	8.9	0.5	0.5	<1	<1	138.1	0.3	1018	NR	4.29	4.34	COULD NOT GET SAMPLE
DS144b	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
DS146	<0.1	<0.1	0.9	0.9	3.5	3.5	8.7	8.7	<1	<1	0.1	0.3	1018	NR	4.11	4.98	HOLE FLOODED - BUNG TAKEN OFF THE DRAIN
DS149	<0.1	<0.1	0.1	0.1	7.7	7.7	3.5	3.5	<1	<1	<0.1	0.3	1018	NR	4.04	5.05	

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Site Name	Eastleigh Works	Job number	17-1080.05	WEATHER	Start	End
				Time	8:45	16:00
Client	Diageo Investment Fund Ltd.	Recorded by	BC	Pressure (mb)	1016	1025
				Wind speed (m/s)	1.34	3.58
Date (DD/MM/YYYY)	11/02/2019			Wind Dir. (from)	W	NNW
Gas Analyser	GA2000 (LON) - GA10648	Visit Number	3	Temperature (°C)	6.00	9.00
Readings at start	CH_4 (% v/v) 0.1	CO_2 (% v/v) 0.1	O_2 (% v/v) 20.2	H_2S (ppm) 0	Dry/Rain/Snow/Ice	Dry / Dry
General comments	Locations DS102b, DS123b, DS143b and DS144b installed on the 11/2 and 12/2.				Rising/Falling Trend (for the three days before visit)	Rising

Ref	GROUND GAS													GROUNDWATER			Notes
	Flow		CH_4		CO_2		O_2		H_2S	CO	VOC	Differential (Relative) Pressure	Atmos. Pressure	Depth to free product	Depth to water	Depth to base	(e.g. water colour, sheen, odour, damage to well or gas tap, flooded ground etc.)
	l/hr		% v/v		% v/v		% v/v		ppm								
	Max	Steady	Max	Steady	Max	Steady	Min	Steady	Max	Max	Max	mb	mb	m	m	m	
	The formulae require that only numbers, "<0.1" for ground gas and flow or "DRY" for groundwater are entered in the sheet																
DS122	<0.1	<0.1	0.1	0.1	0.1	0.1	20.3	20.3	<1	<1	1.0	0.2	1028	NR	4.05	4.11	
DS123a	<0.1	<0.1	0.1	0.1	1.8	1.8	18.0	18.0	<1	<1	<0.1	0.5	1026	NR	4.09	4.39	
DS123b	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
DS124a	<0.1	<0.1	0.5	0.5	5.3	5.3	1.5	1.5	<1	<1	5.3	0.5	1026	NR	DRY	0.57	
DS124b	<0.1	<0.1	0.2	0.2	6.0	6.0	1.5	1.5	<1	<1	3.1	0.5	1026	NR	3.90	5.03	
DS128	<0.1	<0.1	0.1	0.1	3.6	3.6	6.7	6.7	<1	<1	0.4	0.5	1026	NR	DRY	3.69	
DS132	<0.1	<0.1	0.1	0.1	3.2	3.2	9.0	9.0	<1	<1	0.5	0.2	1028	NR	DRY	3.87	
DS133	-0.1	<0.1	0.1	0.1	0.5	0.5	19.3	19.4	<1	<1	0.5	0.2	1028	NR	3.87	3.91	
DS135	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
DS136	<0.1	<0.1	0.1	0.1	0.9	0.9	17.2	17.2	<1	<1	0.7	0.2	1028	NR	4.11	4.89	
DS139	<0.1	<0.1	3.2	3.2	4.5	4.5	0.4	0.4	<1	<1	0.9	0.2	1028	NR	DRY	4.05	
DS141	-0.1	-0.1	0.1	0.1	5.8	5.8	5.8	5.8	<1	<1	1.0	0.2	1028	NR	DRY	4.14	
DS143a	0.1	<0.1	0.4	0.4	6.0	6.0	13.1	13.1	<1	<1	382.4	0.5	1026	NR	4.15	4.31	
DS143b	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
DS144a	<0.1	<0.1	0.1	0.1	1.4	1.4	19.0	19.0	<1	<1	27.0	0.5	1026	NR	4.12	4.31	
DS144b	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
DS146	<0.1	<0.1	1.8	1.8	4.4	4.4	4.1	4.1	<1	<1	<0.1	0.2	1028	NR	3.85	4.94	
DS149	<0.1	<0.1	0.1	0.1	7.0	7.0	2.8	2.8	<1	<1	0.2	0.2	1028	NR	3.91	5.04	

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Site Name	Eastleigh Works	Job number	17-1080.05	WEATHER	Start	End
				Time	8:45	5
Client	Diageo Investment Fund Ltd.	Recorded by	BC	Pressure (mb)	1017	1016
				Wind speed (m/s)	1.50	1.30
Date (DD/MM/YYYY)	18/02/2019			Wind Dir. (from)	SSW	SSW
Gas Analyser	GA2000 (LON) - GA10648	Visit Number	4	Temperature (°C)	8.00	8.00
Readings at start	CH_4 (% v/v) 0.1	CO_2 (% v/v) 0.1	O_2 (% v/v) 20.3	H_2S (ppm) 0	Dry/Rain/Snow/Ice	RAIN / RAIN
General comments					Rising/Falling Trend (for the three days before visit)	Falling

Ref	GROUND GAS													GROUNDWATER			Notes (e.g. water colour, sheen, odour, damage to well or gas tap, flooded ground etc.)
	Flow		CH_4		CO_2		O_2		H_2S	CO	VOC	Differential (Relative) Pressure	Atmos. Pressure	Depth to free product	Depth to water	Depth to base	
	l/hr		% v/v		% v/v		% v/v		ppm								
	Max	Steady	Max	Steady	Max	Steady	Min	Steady	Max	Max	Max	mb	mb	m	m	m	
	The formulae require that only numbers, "<0.1" for ground gas and flow or "DRY" for groundwater are entered in the sheet																
DS122	0.1	<0.1	0.1	0.1	1.1	1.1	18.1	18.1	<1	<1	1.0	0.3	1015	NR	Dry	4.10	Damp at base
DS123a	<0.1	<0.1	0.1	0.1	0.6	0.6	19.5	19.5	<1	<1	0.4	NR	1016	NR	4.18	4.30	
DS123b	<0.1	<0.1	0.1	0.1	0.5	0.5	19.2	19.2	<1	<1	14.9	NR	1016	NR	4.12	6.05	
DS124a	<0.1	<0.1	0.7	0.7	5.7	5.7	0.3	0.3	<1	<1	60.0	NR	1016	NR	Dry	0.56	
DS124b	<0.1	<0.1	0.2	0.2	6.5	6.5	0.2	0.2	<1	<1	23.0	NR	1016	NR	3.94	5.03	
DS128	<0.1	<0.1	0.1	0.1	3.8	3.8	6.2	6.2	<1	<1	0.5	NR	1016	NR	Dry	3.68	
DS132	<0.1	<0.1	0.1	0.1	0.8	0.8	20.0	20.6	<1	<1	<0.1	0.3	1016	NR	Dry	3.87	Damp at base
DS133	0.1	<0.1	0.1	0.1	0.9	0.9	18.2	18.2	<1	<1	0.8	0.3	1015	NR	Dry	3.91	Damp at base
DS135	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	UNABLE TO LOCATE HOLE - UNDERNEATH PARKED CARS
DS136	0.1	0.1	4.1	4.1	3.2	3.2	0.7	0.7	<1	<1	1.0	NR	1015	NR	4.14	4.91	
DS139	0.1	0.1	3.7	3.7	4.3	4.3	0.1	0.1	<1	<1	1.7	NR	1015	NR	Dry	4.03	
DS141	<0.1	<0.1	0.1	0.1	5.1	5.1	8.0	8.0	<1	<1	1.2	NR	1015	NR	Dry	4.11	
DS143a	0.1	0.1	0.4	0.3	7.5	5.5	6.2	11.3	<1	<1	260.0	0.3	1016	NR	4.05	4.40	
DS143b	<0.1	<0.1	0.1	0.1	0.1	0.1	19.6	19.6	<1	<1	21.7	0.3	1016	NR	4.09	5.38	Free product 15mm
DS144a	<0.1	<0.1	0.1	0.1	1.1	1.1	17.0	19.1	<1	<1	18.6	0.3	1016	NR	4.10	4.80	
DS144b	-0.1	<0.1	0.1	0.1	0.9	0.9	19.3	19.3	<1	<1	<0.1	0.3	1017	NR	3.31	5.91	Free product 30mm
DS146	<0.1	<0.1	3.8	3.8	5.9	5.9	0.5	0.5	<1	<1	0.4	NR	1015	NR	3.86	4.94	flooded-bung removed to allow water to drain
DS149	0.1	<0.1	0.1	0.1	7.8	7.8	0.8	0.8	<1	<1	0.8	NR	1015	NR	3.99	5.05	

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Site Name	Eastleigh (phase 1)	Job number	17-1080.05	WEATHER	Start	End
				Time	9.15	11.30
Client		Recorded by	BC	Pressure (mb)	1033	1033
				Wind speed (m/s)	2.23	2.23
Date (DD/MM/YYYY)	09/01/2019			Wind Dir. (from)	NW	NW
Gas Analyser	GA2000 (LON) - GA10648	Visit Number	1	Temperature (°C)	2.00	4.00
Readings at start	CH_4 (% v/v) 0.1	CO_2 (% v/v) 0.1	O_2 (% v/v) 20.4	H_2S (ppm) 0	Dry/Rain/Snow/Ice	DRY / DRY
General comments					Rising/Falling Trend (for the three days before visit)	NO CHANGE

Ref	GROUND GAS													GROUNDWATER			Notes
	Flow		CH_4		CO_2		O_2		H_2S	CO	VOC	Differential (Relative) Pressure	Atmos. Pressure	Depth to free product	Depth to water	Depth to base	(e.g. water colour, sheen, odour, damage to well or gas tap, flooded ground etc.)
	l/hr		% v/v		% v/v		% v/v		ppm								
	Max	Steady	Max	Steady	Max	Steady	Min	Steady	Max	Max	Max	mb	mb	m	m	m	
	The formulae require that only numbers, "<0.1" for ground gas and flow or "DRY" for groundwater are entered in the sheet																
BH101	<0.1	<0.1	0.1	0.1	0.5	0.5	20.2	20.2	<0.1	<0.1	<0.1	0.5	1033	NR	3.42	5.98	BUNG NOT ON HOLE
BH102	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.89	5.04	BUNG CEMENTED AND NOT ON HOLE
BH103	12.5	1.2	0.1	0.1	1.1	1.1	18.7	18.8	<0.1	<0.1	2.7	0.4	1032	NR	3.25	14.48	FLOW CONTINUALLY DECREASING

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Site Name	Eastleigh (phase 1)	Job number	17-1080.05	WEATHER	Start	End
				Time	9.00	11.00
Client		Recorded by	BC	Pressure (mb)	1008	1008
				Wind speed (m/s)	7.60	6.26
Date (DD/MM/YYYY)	16/01/2019			Wind Dir. (from)	SSW	SSW
Gas Analyser	GA2000 (LON) - GA10648	Visit Number	2	Temperature (°C)	9.00	9.00
Readings at start	CH_4 (% v/v) 0.0	CO_2 (% v/v) 0.1	O_2 (% v/v) 20.2	H_2S (ppm) 0	Dry/Rain/Snow/Ice	RAIN / RAIN
General comments					Rising/Falling Trend (for the three days before visit)	FALLING

Ref	GROUND GAS													GROUNDWATER			Notes
	Flow		CH_4		CO_2		O_2		H_2S	CO	VOC	Differential (Relative) Pressure	Atmos. Pressure	Depth to free product	Depth to water	Depth to base	(e.g. water colour, sheen, odour, damage to well or gas tap, flooded ground etc.)
	l/hr		% v/v		% v/v		% v/v		ppm								
	Max	Steady	Max	Steady	Max	Steady	Min	Steady	Max	Max	Max	mb	mb	m	m	m	
	The formulae require that only numbers, "<0.1" for ground gas and flow or "DRY" for groundwater are entered in the sheet																
BH101	<0.1	<0.1	0.1	0.1	3.8	3.8	17.0	17.0	<0.1	<0.1	1.0	0.3	1008	NR	3.47	5.96	HOLE FLOODED
BH102	-0.1	<0.1	0.1	0.1	2.3	2.3	16.9	16.9	<0.1	<0.1	0.3	0.3	1008	NR	3.93	4.93	
BH103	6.2	1.4	0.1	0.1	0.5	0.5	19.4	19.4	<0.1	<0.1	4.6	0.3	1008	NR	4.36	13.77	DW CONTINUALLY DECREASING, BUNG PUSHED OFF BY PRESSURE WHEN OPEN

Document No. C101	Version: 1.1	Issue Date: 11/07/17	Author: J Rhoades / S Steele	Authorised By:K Hughes

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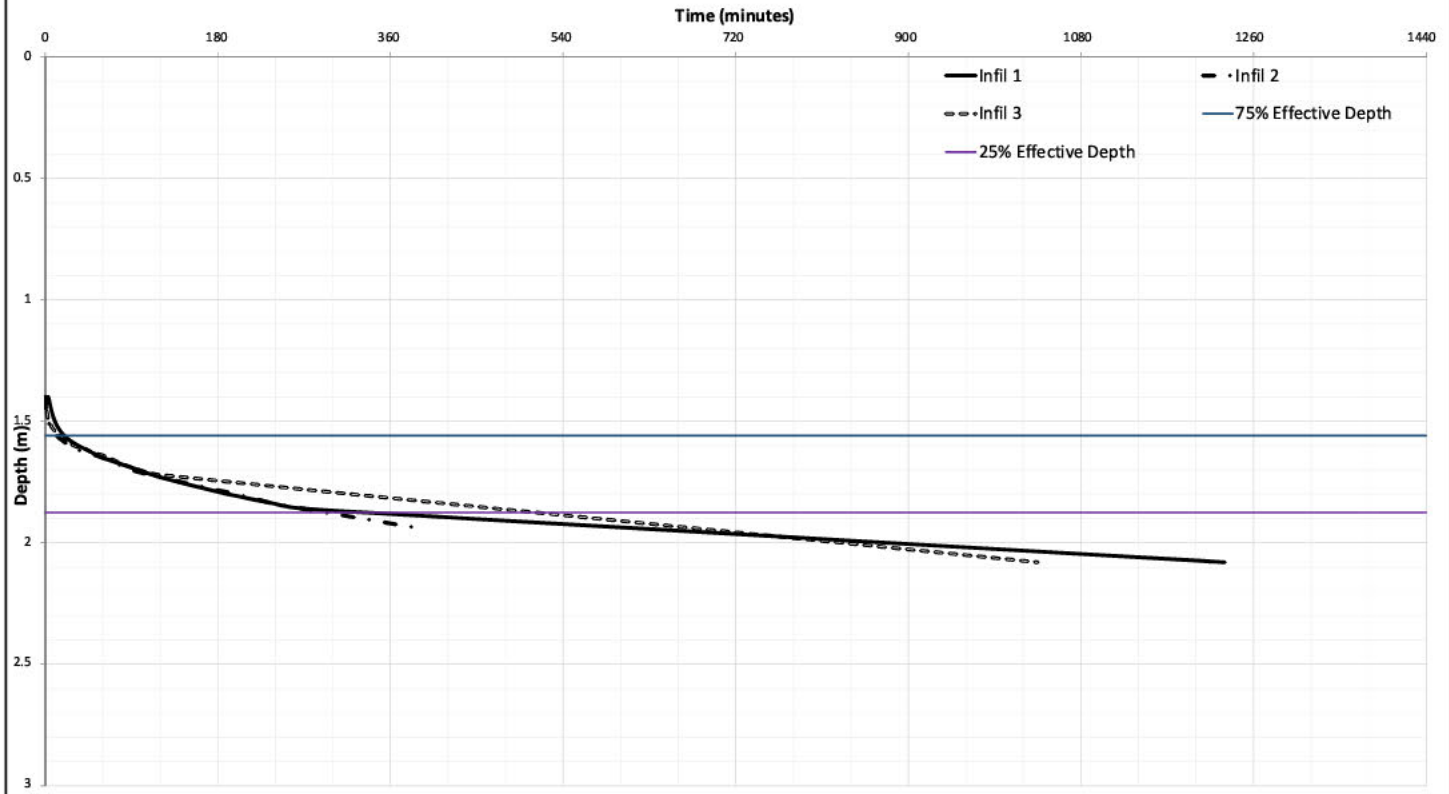
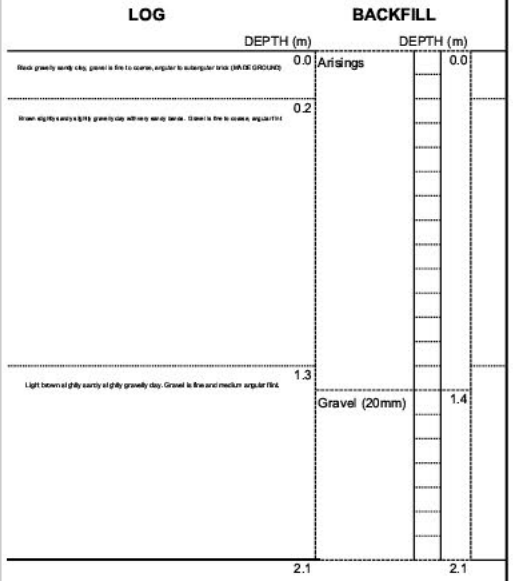
	units	Fill 1	Fill 2	Fill 3
Depth (final reading)	m	2.08	1.94	2.08
Pit depth	m		2.10	
Pit length	m		2.30	
Pit width	m		0.60	
Depth to first reading	m	1.40	1.40	1.40
Maximum effective depth	m	0.68	0.54	0.68
Depth at 75% full	m	1.57	1.54	1.57
Depth at 25% full	m	1.91	1.81	1.91
Time at 75% full	mins	25.00	16.88	21.67
Time at 25% full	mins	553.64	367.50	641.04
Vp75 - 25 (volume outflowing between 75% and 25% effective depth)	m3	0.169	0.169	0.169
Mean surface area for outflow (50% effective depth)	m2	3.41	3.41	3.41
Time for outflow	mins	528.64	350.63	619.38
Soil infiltration rate, f =		**0.0000015630**	**0.0000023565**	**0.0000013340**
or		**1.56E-06**	**2.36E-06**	**1.33E-06**

Recommended soil infiltration rate	
1.33E-06	m/s

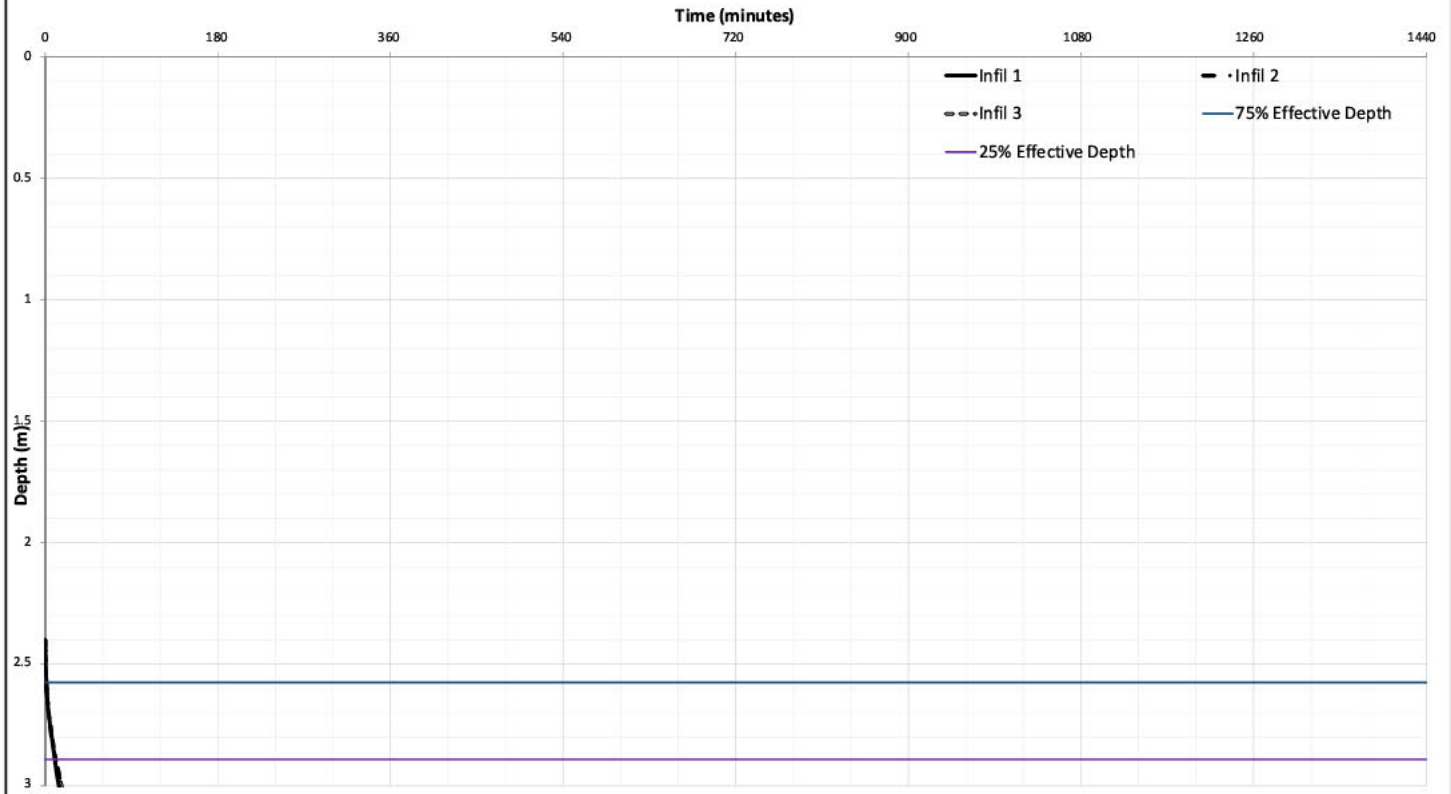


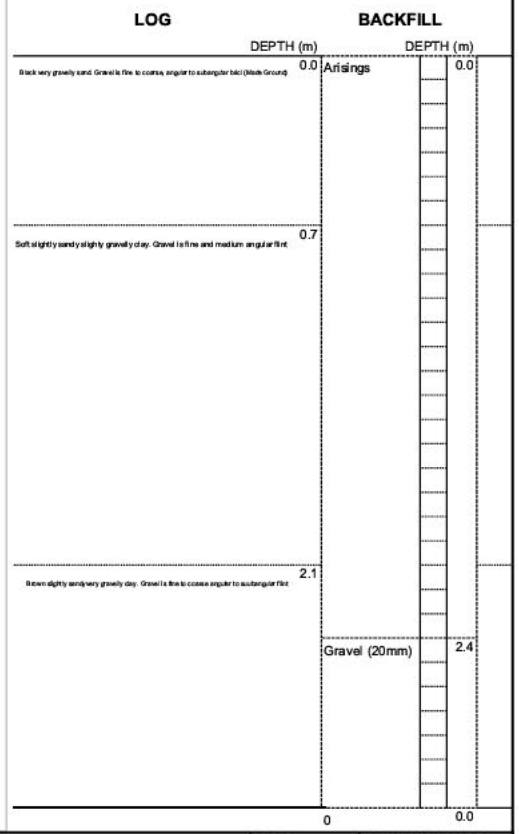


deltasimons	PROJECT NAME: Easteligh	SOAKAWAY TEST RESULTS	DATE: Jan-19	PROJECT NUMBER: 17-1080.05
	CLIENT: Diageo Investment Fund	*In accordance with BRE Digest 365 (1991 with amendments in 2003 and 2007)*	SOAKAWAY NUM: **TPSA106**	FILL NUMBER: **1-3**

	units	Fill 1	Fill 2	Fill 3
Depth (final reading)	m	3.05	3.05	3.05
Pit depth	m		3.05	
Pit length	m		1.80	
Pit width	m		0.60	
Depth to first reading	m	2.45	2.40	2.40
Maximum effective depth	m	0.60	0.65	0.65
Depth at 75% full	m	2.60	2.56	2.56
Depth at 25% full	m	2.90	2.89	2.89
Time at 75% full	mins	1.63	0.71	0.91
Time at 25% full	mins	10.25	10.38	10.88
Vp75 - 25 (volume outflowing between 75% and 25% effective depth)	m3	0.113	0.123	0.123
Mean surface area for outflow (50% effective depth)	m2	2.52	2.64	2.64
Time for outflow	mins	8.62	9.67	9.97
Soil infiltration rate, f =		**0.0000869565**	**0.0000802312**	**0.0000777999**
or		**8.70E-05**	**8.02E-05**	**7.78E-05**

Recommended soil infiltration rate	
7.78E-05	m/s

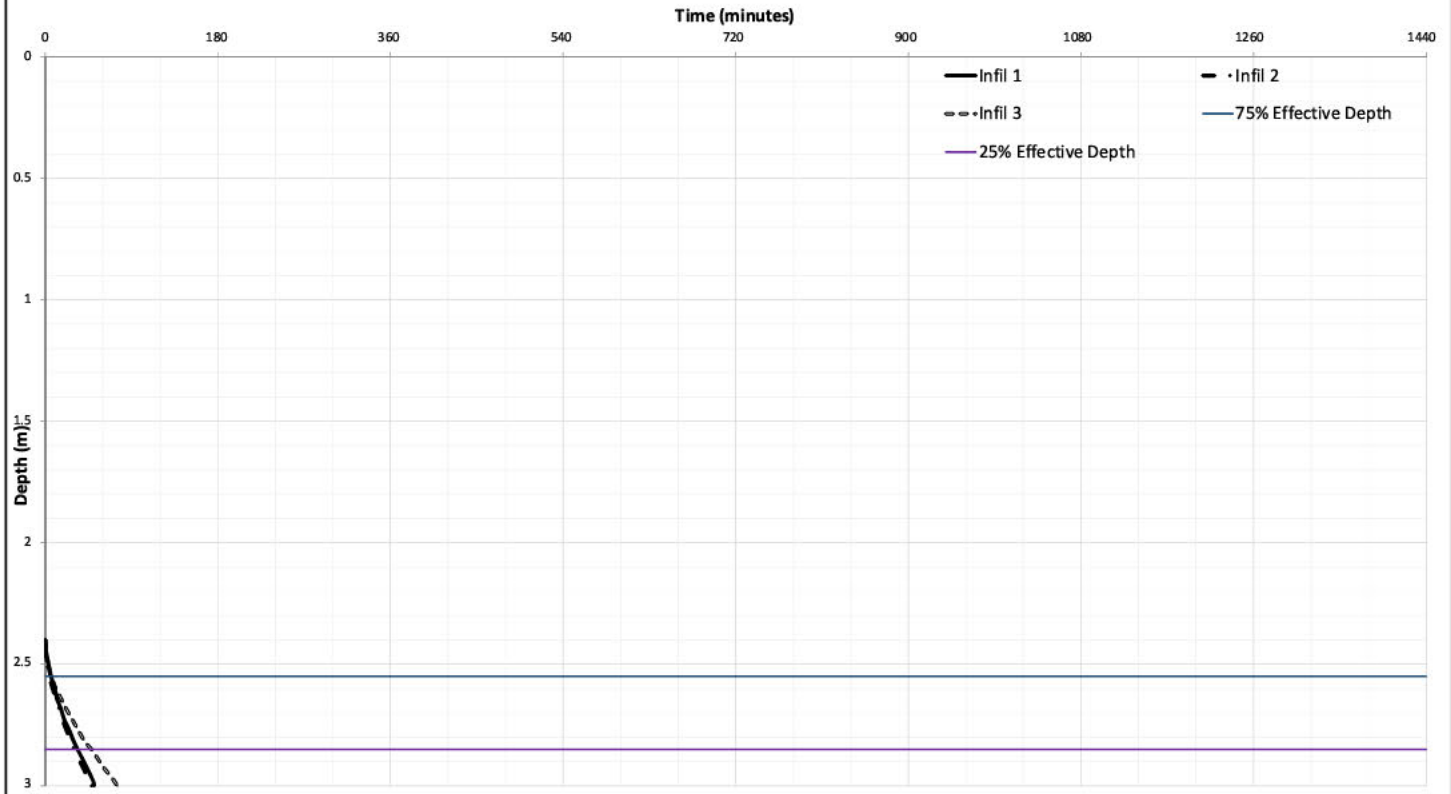


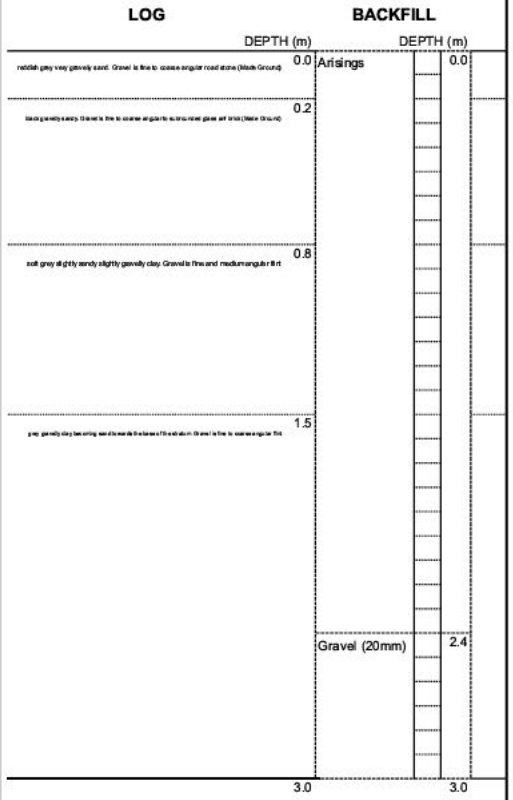


deltasimons	PROJECT NAME: Eastleigh	SOAKAWAY TEST RESULTS	DATE: Jan-19	PROJECT NUMBER: 17-1080.05
	CLIENT: Diageo Investment Fund	*In accordance with BRE Digest 365 (1991 with amendments in 2003 and 2007)*	SOAKAWAY NUM: **TPSA112**	FILL NUMBER: **1-3**

	units	Fill 1	Fill 2	Fill 3
Depth (final reading)	m	3.00	3.00	3.00
Pit depth	m		3.00	
Pit length	m		1.80	
Pit width	m		0.60	
Depth to first reading	m	2.40	2.40	2.40
Maximum effective depth	m	0.60	0.60	0.60
Depth at 75% full	m	2.55	2.55	2.55
Depth at 25% full	m	2.85	2.85	2.85
Time at 75% full	mins	6.00	4.50	6.00
Time at 25% full	mins	33.75	30.00	48.00
Vp75 - 25 (volume outflowing between 75% and 25% effective depth)	m3	0.113	0.113	0.113
Mean surface area for outflow (50% effective depth)	m2	2.52	2.52	2.52
Time for outflow	mins	27.75	25.50	42.00
Soil infiltration rate, f =		**0.0000270270**	**0.0000294118**	**0.0000178571**
or		**2.70E-05**	**2.94E-05**	**1.79E-05**

Recommended soil infiltration rate	
1.79E-05	m/s





deltasimons	PROJECT NAME: Eastleigh	SOAKAWAY TEST RESULTS	DATE: Jan-19	PROJECT NUMBER: 17-1080.05
	CLIENT: Diageo Investment Fund	*In accordance with BRE Digest 365 (1991 with amendments in 2003 and 2007)*	SOAKAWAY NUM: **TPSA113**	FILL NUMBER: **1-3**

Appendix G - Risk Definitions

Contaminated Land Risk Definitions

The following methodology is based on the methodology presented in CIRIA C552 Contaminated Land Risk Assessment: A Guide to Good Practice 2001. It requires the classification of the:

- Δ Magnitude of the potential consequence (severity) of the Risk occurring: and
- Δ Magnitude of the Probability (likelihood) of the Risk occurring.

The classifications are then compared to indicate the risk presented by each pollutant linkage.

Consequence to Receptor Definition Matrix

	Human Health	Controlled Waters	Buildings/Services
Severe Consequence	Acute or chronic permanent impact on human health.	Sensitive controlled water pollution ongoing, or just about to occur.	Catastrophic collapse
Medium Consequence	Chronic permanent impact on human health	Gradual pollution of sensitive controlled water	Degradation of materials
Mild Consequence	Chronic temporary impact on human health	Gradual pollution of non-sensitive controlled water	Damage to building rendering it unsafe.to occupy (eg foundation damage resulting in instability).
Minor Consequence	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc).	Slight discoloration of water	Easily repairable effects of damage to buildings, structures and services, i.e discoloration of concrete

Probability Definitions

Probability	Definition in Context
Higher	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution. Positive evidence of source, pathway and receptor.
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term. Suspect source, pathway, and receptor
Low Likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term No evidence of hazard, pathway, and receptor

Standard Risk Matrix

		Consequence/ Magnitude of impact			
		Severe	Medium	Mild	Minor
Probability	**High**	Very High	High	Moderate	Moderate/Low
	Likely	High	Moderate	Moderate/low	Low
	Low Likelihood	Moderate	Moderate/low	Low	Very Low
	Unlikely	Moderate/low	Low	Very Low	Very Low

Classified risks and likely action

Significance Level	Definition/Comments
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required. Demonstrable contaminated land situation, highest threat & liability level, urgent action recommended.
High Risk	Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term. Likely contaminated land situation, risk assessment and action recommended.
Moderate	It is possible that harm could arise to a designated receptor from an identified hazard. However, if is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term. Plausible contaminated land situation, risk assessment and possible action recommended.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. Unlikely contaminated land situation, possible risk assessment and possible action.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe. Negligible risk, no action recommended except vigilance for changes in conditions.

The geohazards listed in the report within Section 4 follow guidance presented in Clayton, C.R.I. (2001) *Managing Geotechnical Risk*, Thomas Telford and the Highways Agency document HD22/08 '*Managing Geotechnical Risk*' (2008) which aims to identify and manage the geotechnical risks associated with a scheme throughout its lifespan, from planning to construction to maintenance.

For each geohazard the probability of the hazard occurring (P) has been considered together with the impact it would have (I) if it were to happen to calculate the risk rating between 1 and 25.

Risks that fall within Moderate, Significant and Severe categories below are considered to be ***substantial*** and are therefore listed within the report.

Probability	**(P)**
Very Likely (VLk)	5
Likely (Lk)	4
Plausible (P)	3
Unlikely (U)	2
Very Unlikely (VU)	1

X

Impact	**(I)**
Very High (VH)	5
High (H)	4
Medium (M)	3
Low (L)	2
Very Low (VL)	1

=

(R)	**Risk**
20 – 25	Severe
15 – 19	Substantial
10 – 14	Moderate
5 – 9	Minor
1 – 4	Negligible

Appendix H - Summary of Soil Screening Sheet

		Commercial 1% SOM					Lab Sample Number	1119815	1119816	1119817	1119818	1119819	1122441	1128362	1129791	1129792	1129793	1129794	1129795	1129796
							Sample Reference	HP/DS103	BH101	HP105	HP/DS102	HP/DS101	BH102	BH103	DS103	DS102a	DS102a	DS101	DS101	DS101
							Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Suppli	None Suppli	None Suppli	None Suppl	None Suppl	None Suppl
	KEY:						Depth (m)	0.30	0.50	0.30	2.50	1.00	0.20	0.80-1.20	0.20	1.50	4.70	0.10	0.60	4.80
	Exceedances of GACs highlighted in red. Potential risk to human health identified.						Date Sampled	17/12/2018	17/12/2018	17/12/2018	17/12/2018	17/12/2018	19/12/2018	09/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019	07/01/2019
							Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Suppli	None Suppli	None Suppli	None Suppl	None Suppl	None Suppl
	Determinand	Units	LOD	GAC Source	GAC	Solubility	Max Value	No. of Samples												
ACMs	Asbestos in Soil	N/A		DS-GAC	Detected		Asbestos Detected	75	Detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected	Not-detecte	Not-detecte	-	Not-detecte	Not-detecte	-
Inorganic	Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	N/A	No GAC		870	71	0.071	0.15	0.14	0.033	0.06	870	0.02	0.12	0.096			0.45	
	Total Cyanide	mg/kg	1	DS-GAC	60		1	6													
	Free Cyanide	mg/kg	1	DS-GAC	60		1	6													
Heavy Metals	Arsenic (aqua regia extractable)	mg/kg	1	LQM	640		72	61	62	7.2	9.6	9.9	6.7	24	6.7	3.9	11			1.8	
	Cadmium (aqua regia extractable)	mg/kg	0.2	LQM	190		27	61	8.6	0.2	1.7	0.2	0.2	0.2	0.2	0.2	0.2			0.2	
	Chromium (aqua regia extractable)	mg/kg	1	LQMH	8600		210	61	35	23	57	27	18	22	29	21	13			37	
	Copper (aqua regia extractable)	mg/kg	1	LQM	68000		4300	61	470	41	160	14	16	370	22	30	370			16	
	Mercury (aqua regia extractable)	mg/kg	0.3	LQM	1100		1.5	61	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7			0.3	
	Nickel (aqua regia extractable)	mg/kg	1	LQM	980		130	61	54	21	25	27	15	49	25	16	49			23	
	Lead (aqua regia extractable)	mg/kg	1	C4SL	2300		4100	61	1900	56	480	12	23	310	19	47	99			12	
	Zinc (aqua regia extractable)	mg/kg	1	LQM	730000		9100	61	500	67	920	53	41	130	49	49	160			48	
	Chromium (Hexavalent)	mg/kg	1.2	LQM	33		1.2	61	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2			1.2	
TPHCWG	TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	LQM	3200	304	0.001	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	LQM	7800	144	0.001	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	LQM	2000	78	170	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	LQM	9700	48	160	73	1	1	1	1	1	1	1	1	1	1		1	1
	TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	LQM	59000	24	980	73	2.3	2	2	2	2	2	2	2	2	2		2	45
	TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	LQM	1600000	8.48	2700	73	8	8	8	8	8	8	8	8	8	8		8	57
	TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8				11000	73	35	8	100	8	8	8	8	8	8	8		8	40
	TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	LQM	26000	1220	0.001	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	LQM	56000	869	0.007	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.007
	TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	LQM	3500	613	8	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	1.7
	TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	LQM	16000	364	760	73	1	1	1	1	1	1	1	1	23	1		1	760
	TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	LQM	36000		2500	73	35	3.4	2	2	2	2	2	2	170	2		2	2500
	TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	LQM	28000		3100	73	380	36	10	10	10	10	10	10	600	10		10	3100
	TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	LQM	28000		6700	73	740	66	61	10	10	10	10	10	550	10		10	410
	Total Petroleum Hydrocarbons	mg/kg		DS-GAC	5000		22522.006	73	1202.306	125.406	185.006	42.006	42.006	42.006	42.006	42.006	1362.006	42.006		42.006	6914.711
PAHs USEPA 16	Naphthalene	mg/kg	0.05	LQM	190	76.4	520	73	0.05	0.05	0.05	0.05	0.05	0.3	0.3	0.05	13	0.05		0.05	520
	Acenaphthylene	mg/kg	0.05	LQM	83000	86.1	15	73	3.9	0.79	0.05	0.05	0.05	0.1	0.1	0.05	15	0.05		0.05	3.7
	Acenaphthene	mg/kg	0.05	LQM	84000	57	260	73	2.3	0.05	0.05	0.05	0.05	0.1	0.1	0.05	4.2	0.05		0.05	260
	Fluorene	mg/kg	0.05	LQM	63000	30.9	250	73	3.8	0.53	0.05	0.05	0.05	0.2	0.2	0.05	21	0.05		0.05	250
	Phenanthrene	mg/kg	0.05	LQM	22000	36	740	73	53	7.2	0.9	0.05	0.05	0.53	0.05	0.36	83	0.05		0.05	740
	Anthracene	mg/kg	0.05	LQM	520000	1.17	130	73	11	2.4	0.26	0.05	0.05	0.3	0.3	0.05	23	0.05		0.05	130
	Fluoranthene	mg/kg	0.05	LQM	23000		220	73	82	12	3.4	0.05	0.05	1.3	0.05	0.77	70	0.05		0.05	220
	Pyrene	mg/kg	0.05	LQM	54000		130	73	67	9.6	2.8	0.05	0.05	1.3	0.3	0.71	49	0.05		0.05	130
	Benzo(a)anthracene	mg/kg	0.05	LQM	170		46	73	46	6.4	1.3	0.05	0.05	0.8	0.3	0.26	38	0.05		0.05	27
	Chrysene	mg/kg	0.05	LQM	350		36	73	36	5.2	1.6	0.05	0.05	1.3	0.05	0.41	26	0.05		0.05	24
	Benzo(b)fluoranthene	mg/kg	0.05	LQM	44		43	73	43	5	2	0.05	0.05	1.3	0.05	0.38	30	0.05		0.05	9.5
	Benzo(k)fluoranthene	mg/kg	0.05	LQM	1200		16	73	16	3.4	1.1	0.05	0.05	0.4	0.3	0.26	15	0.05		0.05	5.1
	Benzo(a)pyrene	mg/kg	0.05	LQM	35		38	73	38	4.8	1.7	0.05	0.05	0.8	0.05	0.31	24	0.05		0.05	7.2
	Indeno(1,2,3-cd)Pyrene	mg/kg	0.05	LQM	500		21	73	21	2.7	1.2	0.05	0.05	0.88	0.05	0.24	10	0.05		0.05	2.3
	Dibenz(a,h)Anthracene	mg/kg	0.05	LQM	3.5		6.4	73	6.4	1.1	0.32	0.05	0.05	0.96	0.05	0.05	4.6	0.05		0.05	0.05
	Benzo(ghi)perylene	mg/kg	0.05	LQM	3900		24	73	24	2.8	1.3	0.05	0.05	0.4	0.05	0.24	10	0.05		0.05	2.1
VOCs	Chloromethane	mg/kg	0.001	EIC	1		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Vinyl Chloride	mg/kg	0.001	LQM	0.059		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Bromomethane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Chloroethane	mg/kg	0.001	EIC	960		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Trichlorofluoromethane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,1-Dichloroethene	mg/kg	0.001	EIC	26		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Trans-1,2-Dichloroethene	mg/kg	0.001	EIC	22		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,1-Dichloroethane	mg/kg	0.001	EIC	280		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	cis-1,2-Dichloroethene	mg/kg	0.001	EIC	14		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Trichloromethane	mg/kg	0.001	LQM	99		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,1,1-Trichloroethane	mg/kg	0.001	LQM	660		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Tetrachloromethane	mg/kg	0.001	LQM	2.9		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,1-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Benzene	mg/kg	0.001	C4SL	27		1	73	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	0.001	0.001		0.001	0.001
	1,2-Dichloroethane	mg/kg	0.001	LQM	0.67		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Trichloroethene	mg/kg	0.001	LQM	1.2		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,2-Dichloropropane	mg/kg	0.001	EIC	3.3		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Dibromomethane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Bromodichloromethane	mg/kg	0.001	EIC	2.1		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	cis-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Toluene	mg/kg	0.001	LQM	56000	869	1	73	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	0.001	0.001		0.001	0.007
	Trans-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,1,2-Trichloroethane	mg/kg	0.001	EIC	94		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Tetrachloroethene	mg/kg	0.001	LQM	19		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,3-Dichloropropane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Dibromochloromethane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,2-Dibromoethane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Chlorobenzene	mg/kg	0.001	LQM	56		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,1,1,2-Tetrachloroethane	mg/kg	0.001	LQM	110		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Ethylbenzene	mg/kg	0.001	LQM	5700	518	1	73	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	0.001	0.001		0.001	0.14
	p & m-Xylene	mg/kg	0.001	LQM	5900	576	1	73	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	0.001	0.001		0.001	0.3
	o-Xylene	mg/kg	0.001	LQM	6600	478	1	73	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	0.001	0.001		0.001	0.15
	Styrene	mg/kg	0.001	EIC	3300	626	1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Tribromomethane	mg/kg	0.001	EIC	760		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Isopropylbenzene	mg/kg	0.001	EIC	1400	390	1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.059
	Bromobenzene	mg/kg	0.001	EIC	97		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	N-Propylbenzene	mg/kg	0.001	EIC	4100	402	1.8	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.033
	2-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,3,5-Trimethylbenzene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.33
	4-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	Tert-Butylbenzene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,2,4-Trimethylbenzene	mg/kg	0.001	EIC	42		7.6	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.68
	Sec-Butylbenzene	mg/kg	0.001	N/A	No GAC		2.8	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.0038
	p-Isopropyltoluene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.045
	Butylbenzene	mg/kg	0.001	N/A	No GAC		3.7	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,2-Dichlorobenzene	mg/kg	0.001	LQM	2000	571	1	23	0.1	0.1	0.1	0.1	0.1	0.2	1			0.1			0.1
	1,2-Dibromo-3-Chloropropane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	1,2,4-Trichlorobenzene	mg/kg	0.001	LQM	220		1	23	0.3	0.3	0.3	0.3	0.3	0.2	1			0.3			0.3
	Hexachlorobutadiene	mg/kg	0.001	LQM	31		1	23	0.1	0.1	0.1	0.1	0.1	0.3	1			0.1			0.1
	1,2,3-Trichlorobenzene	mg/kg	0.001	LQM	102		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
	MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	EIC	7900		1	73	0.001	0.001	0.001	0.001	0.001	0.001	1	0.001	0.001	0.001		0.001	0.001
	1,3-Dichlorobenzene	mg/kg	0.001	LQM	30		1	23	0.2	0.2	0.2	0.2	0.2	0.1	1			0.2			0.2
	1,4-Dichlorobenzene	mg/kg	0.001	LQM	4400	224	1	23	0.2	0.2	0.2	0.2	0.2	0.1	1			0.2			0.2
	1,1,2,2-Tetrachloroethane	mg/kg	0.001	LQM	270		1	23	0.001	0.001	0.001	0.001	0.001	0.001	1			0.001			0.001
SVOCs	Phenol	mg/kg	0.2	LQM	440		0.2	21	0.2	0.2	0.2	0.2	0.2					0.2			0.2
	2-Chlorophenol	mg/kg	0.1	LQM	3500		0.1	21	0.1	0.1	0.1	0.1	0.1					0.1			0.1
	2,4-Dichlorophenol	mg/kg	0.3				0.3	22		0.3	0.3	0.3	0.3	0.3	0.3			0.3			0.3
	2,4,6-Trichlorophenol	mg/kg	0.1				0.3	22		0.1	0.1	0.1	0.1	0.3	0.3			0.1			0.1
	2,4,5-Trichlorophenol	mg/kg	0.2				0.2	22		0.2	0.2	0.2	0.2	0.1	0.1			0.2			0.2
	Bis(2-Chloroethyl)Ether	mg/kg	0.2	N/A	No GAC		0.2	21	0.2	0.2	0.2	0.2	0.2					0.2			0.2
	2-Methylphenol	mg/kg	0.3	EIC	160000	15000	0.3	23	0.3	0.3	0.3	0.3	0.3	0.2	0.2			0.3			0.3
	4-Methylphenol	mg/kg	0.2				0.2	23	0.2	0.2	0.2	0.2	0.2	0.1	0.1			0.2			0.2
	Bis(2-Chloroisopropyl)Ether	mg/kg	0.1	N/A	No GAC		0.2	23	0.1	0.1	0.1	0.1	0.1	0.2	0.2			0.1			0.1
	Hexachloroethane	mg/kg	0.05	EIC	22	8.17	0.1	23	0.05	0.05	0.05	0.05	0.05	0.1	0.1			0.05			0.05
	Nitrobenzene	mg/kg	0.3	N/A	No GAC		0.3	23	0.3	0.3	0.3	0.3	0.3	0.2	0.2			0.3			0.3
	Isophorone	mg/kg	0.2	N/A	No GAC		0.3	23	0.2	0.2	0.2	0.2	0.2	0.3	0.3			0.2			0.2
	2-Nitrophenol	mg/kg	0.3	N/A	No GAC		0.3	23	0.3	0.3	0.3	0.3	0.3	0.05	0.05			0.3			0.3
	2,4-Dimethylphenol	mg/kg	0.3	EIC	16000	1380	0.3	23	0.3	0.3	0.3	0.3	0.3	0.3	0.3			0.3			0.3
	Bis(2-Chloroethoxy)Methane	mg/kg	0.3	N/A	No GAC		0.3	23	0.3	0.3	0.3	0.3	0.3	0.2	0.2			0.3			0.3
	4-Chloroaniline	mg/kg	0.1	N/A	No GAC		0.3	23	0.1	0.1	0.1	0.1	0.1	0.3	0.3			0.1			0.1
	4-Chloro-3-Methylphenol	mg/kg	0.1	N/A	No GAC		0.1	23	0.1	0.1	0.1	0.1	0.1	0.05	0.05			0.1			0.1
	2-Methylnaphthalene	mg/kg	0.1	N/A	No GAC		120	23	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1			120
	2-Chloronaphthalene	mg/kg	0.1	EIC	390	114	0.1	23	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1			0.1
	Dimethylphthalate	mg/kg	0.1	N/A	No GAC		0.1	23	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1			0.1
	2,6-Dinitrotoluene	mg/kg	0.1	N/A	No GAC		0.2	23	0.1	0.1	0.1	0.1	0.1	0.2	0.2			0.1			0.1
	Dibenzofuran	mg/kg	0.2	N/A	No GAC		240	23	2.7	0.2	0.2	0.2	0.2	0.1	0.1			0.2			240
	4-Chlorophenyl phenyl ether	mg/kg	0.3	N/A	No GAC		0.3	23	0.3	0.3	0.3	0.3	0.3	0.05	0.05			0.3			0.3
	2,4-Dinitrotoluene	mg/kg	0.2	N/A	No GAC		0.2	23	0.2	0.2	0.2	0.2	0.2	0.1	0.1			0.2			0.2
	Diethyl Phthalate	mg/kg	0.2	EIC	150000	13.7	0.2	23	0.2	0.2	0.2	0.2	0.2	0.05	0.05			0.2			0.2
	4-Nitroaniline	mg/kg	0.2	N/A	No GAC		0.2	23	0.2	0.2	0.2	0.2	0.2	0.2	0.2			0.2			0.2
	Azobenzene	mg/kg	0.3	N/A	No GAC		3.1	23	0.3	0.3	0.3	0.3	0.3	0.3	0.3			0.3			3.1
	Bromophenyl phenyl Ether	mg/kg	0.2	N/A	No GAC		0.2	23	0.2	0.2	0.2	0.2	0.2	0.2	0.2			0.2			0.2
	Hexachlorobenzene	mg/kg	0.3	LQM	110	0.2	0.3	23	0.3	0.3	0.3	0.3	0.3	0.2	0.2			0.3			0.3
	Carbazole	mg/kg	0.3	N/A	No GAC		73	23	2.4	0.4	0.3	0.3	0.3	0.2	0.2			0.3			73
	Dibutyl Phthalate	mg/kg	0.2	EIC	15000	4.65	0.3	23	0.2	0.2	0.2	0.2	0.2	0.3	0.3			0.2			0.2
	Butyl benzyl Phthalate	mg/kg	0.3	EIC	940000	26.3	0.3	23	0.3	0.3	0.3	0.3	0.3	0.2	0.2			0.3			0.3
Organic	Total Phenols	mg/kg	1	N/A	No Gac		1	2													
	Total PCBs	mg/kg	0.012	N/A	No Gac		0.012	3													
	PCB Congener 077	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 081	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 105	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 114	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 123	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 118	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 126	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 169	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 156	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 157	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 167	mg/kg	0.001	N/A	No Gac		0.001	3													
	PCB Congener 189	mg/kg	0.001	N/A	No Gac		0.001	3													

		Commercial 1% SOM					Lab Sample Number	1129797	1129798	1129799	1129800	1129801	1129802	1129803	1129804	1129805	1129806	1129807	1129808	1129809	1129810	1129811
							Sample Reference	DS104	BH104	DS117	DS136	DS135	DS135	DS137	DS146	DS146	DS139	DS139	DS139	DS140	DS140	DS141
							Sample Number	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	KEY:						Depth (m)	0.50	0.60	0.30	0.30	0.20	0.50	0.70	0.20	0.40	0.50	1.40	2.00	0.60	1.40	0.40
	Exceedances of GACs highlighted in red. Potential risk to human health identified.						Date Sampled	08/01/2019	07/01/2019	09/01/2019	10/01/2019	10/01/2019	10/01/2019	09/01/2019	09/01/2019	09/01/2019	09/01/2019	09/01/2019	09/01/2019	08/01/2019	10/01/2019	10/01/2019
							Time Taken	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	Determinand	Units	LOD	GAC Source	GAC	Solubility	Max Value	No. of Samples															
ACMs	Asbestos in Soil	N/A		DS-GAC	Detected		Asbestos Detected	75	Not-detecte	Not-detecte	Not-detecte	Not-detecte	Detected	Detected	Detected	Detected	Detected	Detected	Detected	Not-detecte	Detected	Detected	Detected
Inorganic	Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	N/A	No GAC		870	71	0.034	0.037	0.13			0.48	0.78		0.24		0.22		0.49		
	Total Cyanide	mg/kg	1	DS-GAC	60		1	6															
	Free Cyanide	mg/kg	1	DS-GAC	60		1	6															
Heavy Metals	Arsenic (aqua regia extractable)	mg/kg	1	LQM	640		72	61	4.4	2.7	18			38	18		39		72		28		
	Cadmium (aqua regia extractable)	mg/kg	0.2	LQM	190		27	61	0.2	0.2	0.7			4.9	1		2.7		0.2		1.7		
	Chromium (aqua regia extractable)	mg/kg	1	LQMH	8600		210	61	29	30	20			62	31		48		67		67		
	Copper (aqua regia extractable)	mg/kg	1	LQM	68000		4300	61	15	14	230			420	510		2100		2300		600		
	Mercury (aqua regia extractable)	mg/kg	0.3	LQM	1100		1.5	61	0.6	0.3	0.3			1.5	0.3		0.3		0.3		0.3		
	Nickel (aqua regia extractable)	mg/kg	1	LQM	980		130	61	23	22	47			59	30		47		58		66		
	Lead (aqua regia extractable)	mg/kg	1	C4SL	2300		4100	61	12	12	150			4100	390		730		2200		540		
	Zinc (aqua regia extractable)	mg/kg	1	LQM	730000		9100	61	44	43	270			2400	370		640		260		1400		
	Chromium (Hexavalent)	mg/kg	1.2	LQM	33		1.2	61	1.2	1.2	1.2			1.2	1.2		1.2		1.2		1.2		
TPHCWG	TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	LQM	3200	304	0.001	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	LQM	7800	144	0.001	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	LQM	2000	78	170	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	LQM	9700	48	160	73	1	1	1			1.4	1.1		2.8		4.6		5.2		
	TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	LQM	59000	24	980	73	2	2	2			14	11		26		16		120		
	TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	LQM	1600000	8.48	2700	73	8	8	8			130	69		140		73		450		
	TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8				11000	73	8	8	17			780	460		1100		560		2500		
	TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	LQM	26000	1220	0.001	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	LQM	56000	869	0.007	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	LQM	3500	613	8	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	LQM	16000	364	760	73	1	1	1.6			2.7	3.9		3.3		1		2.3		
	TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	LQM	36000		2500	73	2	2	4.6			14	11		17		8.7		55		
	TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	LQM	28000		3100	73	10	10	10			180	83		160		77		470		
	TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	LQM	28000		6700	73	10	10	23			650	330		710		300		1700		
	Total Petroleum Hydrocarbons	mg/kg		DS-GAC	5000		22522.006	73	42.006	42.006	67.206			1772.106	969.006		2159.106		1040.306		5302.506		
PAHs USEPA 16	Naphthalene	mg/kg	0.05	LQM	190	76.4	520	73	0.05	0.05	0.91			1.5	0.05		0.42		0.55		0.58		
	Acenaphthylene	mg/kg	0.05	LQM	83000	86.1	15	73	0.05	0.05	0.05			0.31	0.05		0.05		0.05		0.17		
	Acenaphthene	mg/kg	0.05	LQM	84000	57	260	73	0.05	0.05	0.05			1.2	0.05		0.38		0.33		0.34		
	Fluorene	mg/kg	0.05	LQM	63000	30.9	250	73	0.05	0.05	0.05			1.2	0.34		0.46		0.33		0.25		
	Phenanthrene	mg/kg	0.05	LQM	22000	36	740	73	0.05	0.05	0.99			9.4	1.7		2.5		2.6		2.7		
	Anthracene	mg/kg	0.05	LQM	520000	1.17	130	73	0.05	0.05	0.05			3.4	0.69		0.71		0.93		0.77		
	Fluoranthene	mg/kg	0.05	LQM	23000		220	73	0.05	0.05	1.4			17	3.1		4.2		4.7		4.7		
	Pyrene	mg/kg	0.05	LQM	54000		130	73	0.05	0.05	1.3			15	2.7		3.8		5.4		5.3		
	Benzo(a)anthracene	mg/kg	0.05	LQM	170		46	73	0.05	0.05	0.74			7.9	1.5		1.7		2.5		2.3		
	Chrysene	mg/kg	0.05	LQM	350		36	73	0.05	0.05	0.9			7.7	1.3		1.9		2.5		2.7		
	Benzo(b)fluoranthene	mg/kg	0.05	LQM	44		43	73	0.05	0.05	0.77			9.9	1.7		2		3.1		3.4		
	Benzo(k)fluoranthene	mg/kg	0.05	LQM	1200		16	73	0.05	0.05	0.52			3.3	1		1		1.7		1.4		
	Benzo(a)pyrene	mg/kg	0.05	LQM	35		38	73	0.05	0.05	0.58			8.2	1.5		1.7		2.6		2.5		
	Indeno(1,2,3-cd)Pyrene	mg/kg	0.05	LQM	500		21	73	0.05	0.05	0.44			4.3	0.82		0.9		1.2		1.3		
	Dibenz(a,h)Anthracene	mg/kg	0.05	LQM	3.5		6.4	73	0.05	0.05	0.05			1.4	0.25		0.05		0.42		0.38		
	Benzo(ghi)perylene	mg/kg	0.05	LQM	3900		24	73	0.05	0.05	0.68			5.6	1.1		1.2		1.8		1.7		
VOCs	Chloromethane	mg/kg	0.001	EIC	1		1	23															
	Vinyl Chloride	mg/kg	0.001	LQM	0.059		1	23															
	Bromomethane	mg/kg	0.001	N/A	No GAC		1	23															
	Chloroethane	mg/kg	0.001	EIC	960		1	23															
	Trichlorofluoromethane	mg/kg	0.001	N/A	No GAC		1	23															
	1,1-Dichloroethene	mg/kg	0.001	EIC	26		1	23															
	Trans-1,2-Dichloroethene	mg/kg	0.001	EIC	22		1	23															
	1,1-Dichloroethane	mg/kg	0.001	EIC	280		1	23															
	cis-1,2-Dichloroethene	mg/kg	0.001	EIC	14		1	23															
	Trichloromethane	mg/kg	0.001	LQM	99		1	23															
	1,1,1-Trichloroethane	mg/kg	0.001	LQM	660		1	23															
	Tetrachloromethane	mg/kg	0.001	LQM	2.9		1	23															
	1,1-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23															
	Benzene	mg/kg	0.001	C4SL	27		1	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	1,2-Dichloroethane	mg/kg	0.001	LQM	0.67		1	23															
	Trichloroethene	mg/kg	0.001	LQM	1.2		1	23															
	1,2-Dichloropropane	mg/kg	0.001	EIC	3.3		1	23															
	Dibromomethane	mg/kg	0.001	N/A	No GAC		1	23															
	Bromodichloromethane	mg/kg	0.001	EIC	2.1		1	23															
	cis-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23															
	Toluene	mg/kg	0.001	LQM	56000	869	1	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	Trans-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23															
	1,1,2-Trichloroethane	mg/kg	0.001	EIC	94		1	23															
	Tetrachloroethene	mg/kg	0.001	LQM	19		1	23															
	1,3-Dichloropropane	mg/kg	0.001	N/A	No GAC		1	23															
	Dibromochloromethane	mg/kg	0.001	N/A	No GAC		1	23															
	1,2-Dibromoethane	mg/kg	0.001	N/A	No GAC		1	23															
	Chlorobenzene	mg/kg	0.001	LQM	56		1	23															
	1,1,1,2-Tetrachloroethane	mg/kg	0.001	LQM	110		1	23															
	Ethylbenzene	mg/kg	0.001	LQM	5700	518	1	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	p & m-Xylene	mg/kg	0.001	LQM	5900	576	1	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	o-Xylene	mg/kg	0.001	LQM	6600	478	1	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	Styrene	mg/kg	0.001	EIC	3300	626	1	23															
	Tribromomethane	mg/kg	0.001	EIC	760		1	23															
	Isopropylbenzene	mg/kg	0.001	EIC	1400	390	1	23															
	Bromobenzene	mg/kg	0.001	EIC	97		1	23															
	N-Propylbenzene	mg/kg	0.001	EIC	4100	402	1.8	23															
	2-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23															
	1,3,5-Trimethylbenzene	mg/kg	0.001	N/A	No GAC		1	23															
	4-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23															
	Tert-Butylbenzene	mg/kg	0.001	N/A	No GAC		1	23															
	1,2,4-Trimethylbenzene	mg/kg	0.001	EIC	42		7.6	23															
	Sec-Butylbenzene	mg/kg	0.001	N/A	No GAC		2.8	23															
	p-Isopropyltoluene	mg/kg	0.001	N/A	No GAC		1	23															
	Butylbenzene	mg/kg	0.001	N/A	No GAC		3.7	23															
	1,2-Dichlorobenzene	mg/kg	0.001	LQM	2000	571	1	23															
	1,2-Dibromo-3-Chloropropane	mg/kg	0.001	N/A	No GAC		1	23															
	1,2,4-Trichlorobenzene	mg/kg	0.001	LQM	220		1	23															
	Hexachlorobutadiene	mg/kg	0.001	LQM	31		1	23															
	1,2,3-Trichlorobenzene	mg/kg	0.001	LQM	102		1	23															
	MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	EIC	7900		1	73	0.001	0.001	0.001			0.001	0.001		0.001		0.001		0.001		
	1,3-Dichlorobenzene	mg/kg	0.001	LQM	30		1	23															
	1,4-Dichlorobenzene	mg/kg	0.001	LQM	4400	224	1	23															
	1,1,2,2-Tetrachloroethane	mg/kg	0.001	LQM	270		1	23															
SVOCs	Phenol	mg/kg	0.2	LQM	440		0.2	21															
	2-Chlorophenol	mg/kg	0.1	LQM	3500		0.1	21															
	2,4-Chlorophenol	mg/kg	0.3				0.3	22															
	2,4,6-Trichlorophenol	mg/kg	0.1				0.3	22															
	2,4,5-Trichlorophenol	mg/kg	0.2				0.2	22															
	Bis(2-Chloroethyl)Ether	mg/kg	0.2	N/A	No GAC		0.2	21															
	2-Methylphenol	mg/kg	0.3	EIC	160000	15000	0.3	23															
	4-Methylphenol	mg/kg	0.2				0.2	23															
	Bis(2-Chloroisopropyl)Ether	mg/kg	0.1	N/A	No GAC		0.2	23															
	Hexachloroethane	mg/kg	0.05	EIC	22	8.17	0.1	23															
	Nitrobenzene	mg/kg	0.3	N/A	No GAC		0.3	23															
	Isophorone	mg/kg	0.2	N/A	No GAC		0.3	23															
	2-Nitrophenol	mg/kg	0.3	N/A	No GAC		0.3	23															
	2,4-Dimethylphenol	mg/kg	0.3	EIC	16000	1380	0.3	23															
	Bis(2-Chloroethoxy)Methane	mg/kg	0.3	N/A	No GAC		0.3	23															
	4-Chloroaniline	mg/kg	0.1	N/A	No GAC		0.3	23															
	4-Chloro-3-Methylphenol	mg/kg	0.1	N/A	No GAC		0.1	23															
	2-Methylnaphthalene	mg/kg	0.1	N/A	No GAC		120	23															
	2-Chloronaphthalene	mg/kg	0.1	EIC	390	114	0.1	23															
	Dimethylphthalate	mg/kg	0.1	N/A	No GAC		0.1	23															
	2,6-Dinitrotoluene	mg/kg	0.1	N/A	No GAC		0.2	23															
	Dibenzofuran	mg/kg	0.2	N/A	No GAC		240	23															
	4-Chlorophenyl phenyl ether	mg/kg	0.3	N/A	No GAC		0.3	23															
	2,4-Dinitrotoluene	mg/kg	0.2	N/A	No GAC		0.2	23															
	Diethyl Phthalate	mg/kg	0.2	EIC	150000	13.7	0.2	23															
	4-Nitroaniline	mg/kg	0.2	N/A	No GAC		0.2	23															
	Azobenzene	mg/kg	0.3	N/A	No GAC		3.1	23															
	Bromophenyl phenyl Ether	mg/kg	0.2	N/A	No GAC		0.2	23															
	Hexachlorobenzene	mg/kg	0.3	LQM	110	0.2	0.3	23															
	Carbazole	mg/kg	0.3	N/A	No GAC		73	23															
	Dibutyl Phthalate	mg/kg	0.2	EIC	15000	4.65	0.3	23															
	Butyl benzyl Phthalate	mg/kg	0.3	EIC	940000	26.3	0.3	23															
Organic	Total Phenols	mg/kg	1	N/A	No Gac		1	2															
	Total PCBs	mg/kg	0.012	N/A	No Gac		0.012	3															
	PCB Congener 077	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 081	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 105	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 114	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 123	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 118	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 126	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 169	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 156	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 157	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 167	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 189	mg/kg	0.001	N/A	No Gac		0.001	3															

			Commercial 1% SOM				Lab Sample Number	1129812	1129813	1129814	1129815	1129816	1129817	1129818	1129819	1129820	1132634	1132635	1132636	1132637	1132638	1132639
							Sample Reference	DS141	DS133	DS133	DS149	DS149	DS132	DS132	DS134	BH105	DS131	DS129	DS126	TP111	TP107	TP105
							Sample Number	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	KEY:						Depth (m)	0.80	0.30	1.20	0.30	1.30	0.40	1.10	0.40	0.30	0.30	0.25	4.60	0.10	0.30	0.20
	Exceedances of GACs highlighted in red. Potential risk to human health identified.						Date Sampled	10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019	10/01/2019	11/01/2019	11/01/2019	11/01/2019	14/01/2019	14/01/2019	14/01/2019
							Time Taken	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	Determinand	Units	LOD	GAC Source	GAC	Solubility	Max Value	No. of Samples															
ACMs	Asbestos in Soil	N/A		DS-GAC	Detected		Asbestos Detected	75	Detected	Detected	Not-detected	Detected	Detected	Not-detected	Not-detected	Detected	Detected	Detected	Not-detected	-	Not-detected	Detected	Detected
Inorganic	Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	N/A	No GAC		870	71	0.17	0.27		0.044	0.59	0.03	0.019	0.04	0.062	0.027	0.032			0.086	0.056
	Total Cyanide	mg/kg	1	DS-GAC	60		1	6	1								1		1				
	Free Cyanide	mg/kg	1	DS-GAC	60		1	6	1								1		1				
Heavy Metals	Arsenic (aqua regia extractable)	mg/kg	1	LQM	640		72	61	28	9.9		40	10	7.6	4	65	15	60	7			46	38
	Cadmium (aqua regia extractable)	mg/kg	0.2	LQM	190		27	61	0.2	0.5		0.2	0.4	0.2	0.2	0.2	0.7	6.7	0.2			1.4	0.6
	Chromium (aqua regia extractable)	mg/kg	1	LQMH	8600		210	61	47	210		42	18	19	20	59	26	66	19			62	47
	Copper (aqua regia extractable)	mg/kg	1	LQM	68000		4300	61	520	110		1800	220	14	20	4300	310	1500	34			1700	1700
	Mercury (aqua regia extractable)	mg/kg	0.3	LQM	1100		1.5	61	0.6	0.3		0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.5			0.3	1.2
	Nickel (aqua regia extractable)	mg/kg	1	LQM	980		130	61	43	16		43	25	14	15	80	28	130	15			57	53
	Lead (aqua regia extractable)	mg/kg	1	C4SL	2300		4100	61	310	1400		600	150	17	100	1000	230	710	53			550	630
	Zinc (aqua regia extractable)	mg/kg	1	LQM	730000		9100	61	240	140		390	110	44	47	730	240	430	46			370	490
	Chromium (Hexavalent)	mg/kg	1.2	LQM	33		1.2	61	1.2	1.2		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2			1.2	1.2
TPHCWG	TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	LQM	3200	304	0.001	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	LQM	7800	144	0.001	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	LQM	2000	78	170	73	0.001	0.15		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	LQM	9700	48	160	73	11	1		1	1	1	1	2.5	36	1.3	1	1		2.3	1
	TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	LQM	59000	24	980	73	51	7.2		2	2	2	2	3.2	810	23	2	80		2	2
	TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	LQM	1600000	8.48	2700	73	210	28		8.6	8	8	8	29	2700	310	8	250		8	20
	TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8				11000	73	1400	64		110	27	8	8	400	11000	2100	8	580		130	220
	TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	LQM	26000	1220	0.001	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	LQM	56000	869	0.007	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	LQM	3500	613	8	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	LQM	16000	364	760	73	6.4	1		1	1	1	1	1	16	1	1	1		1	1
	TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	LQM	36000		2500	73	24	4.7		4.7	2	2	2	2	160	4.7	2	76		2.4	2
	TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	LQM	28000		3100	73	190	36		11	10	10	10	12	1100	130	10	250		20	10
	TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	LQM	28000		6700	73	900	74		54	46	10	10	180	6700	800	10	300		75	73
	Total Petroleum Hydrocarbons	mg/kg		DS-GAC	5000		22522.006	73	2792.406	216.055		192.306	97.006	42.006	42.006	629.706	22522.01	3370.006	42.006	1538.006		240.706	329.006
PAHs USEPA 16	Naphthalene	mg/kg	0.05	LQM	190	76.4	520	73	0.52	0.05		0.21	0.05	0.05	0.05	0.05	0.05	0.27	0.05	0.05		0.19	0.25
	Acenaphthylene	mg/kg	0.05	LQM	83000	86.1	15	73	0.18	0.05		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		0.21	0.05
	Acenaphthene	mg/kg	0.05	LQM	84000	57	260	73	0.64	0.05		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		0.05	0.05
	Fluorene	mg/kg	0.05	LQM	63000	30.9	250	73	0.73	0.05		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		0.19	0.05
	Phenanthrene	mg/kg	0.05	LQM	22000	36	740	73	3.7	0.32		0.55	0.28	0.05	0.05	0.54	2.5	0.67	0.05	0.05		1.8	0.65
	Anthracene	mg/kg	0.05	LQM	520000	1.17	130	73	0.97	0.05		0.16	0.05	0.05	0.05	0.15	0.05	0.19	0.05	0.05		0.54	0.11
	Fluoranthene	mg/kg	0.05	LQM	23000		220	73	6.2	0.63		1.2	0.86	0.05	0.5	0.73	1.3	1.7	0.05	0.46		3.6	0.88
	Pyrene	mg/kg	0.05	LQM	54000		130	73	5.4	0.64		1.2	1.1	0.05	0.48	0.66	1.4	1.7	0.05	0.65		3.1	0.93
	Benzo(a)anthracene	mg/kg	0.05	LQM	170		46	73	2.5	0.37		0.67	0.49	0.05	0.16	0.44	0.05	0.97	0.05	0.44		2	0.67
	Chrysene	mg/kg	0.05	LQM	350		36	73	2.7	0.31		0.69	0.47	0.05	0.22	0.58	0.05	1	0.05	0.36		1.7	0.58
	Benzo(b)fluoranthene	mg/kg	0.05	LQM	44		43	73	3.4	0.52		0.75	0.55	0.05	0.37	0.69	0.05	1.6	0.05	0.22		2.3	0.84
	Benzo(k)fluoranthene	mg/kg	0.05	LQM	1200		16	73	1.4	0.26		0.55	0.3	0.05	0.21	0.41	0.05	0.59	0.05	0.17		1.4	0.49
	Benzo(a)pyrene	mg/kg	0.05	LQM	35		38	73	2.5	0.39		0.72	0.49	0.05	0.26	0.43	0.05	0.67	0.05	0.17		1.9	0.62
	Indeno(1,2,3-cd)Pyrene	mg/kg	0.05	LQM	500		21	73	1.4	0.32		0.43	0.28	0.05	0.05	0.31	0.05	0.43	0.05	0.05		0.96	0.32
	Dibenz(a,h)Anthracene	mg/kg	0.05	LQM	3.5		6.4	73	0.34	0.05		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		0.32	0.05
	Benzo(ghi)perylene	mg/kg	0.05	LQM	3900		24	73	1.6	0.43		0.52	0.37	0.05	0.05	0.53	0.05	0.53	0.05	0.05		0.93	0.45
VOCs	Chloromethane	mg/kg	0.001	EIC	1		1	23						0.001	0.001		0.001			0.001			
	Vinyl Chloride	mg/kg	0.001	LQM	0.059		1	23						0.001	0.001		0.001			0.001			
	Bromomethane	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	Chloroethane	mg/kg	0.001	EIC	960		1	23						0.001	0.001		0.001			0.001			
	Trichlorofluoromethane	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	1,1-Dichloroethene	mg/kg	0.001	EIC	26		1	23						0.001	0.001		0.001			0.001			
	Trans-1,2-Dichloroethene	mg/kg	0.001	EIC	22		1	23						0.001	0.001		0.001			0.001			
	1,1-Dichloroethane	mg/kg	0.001	EIC	280		1	23						0.001	0.001		0.001			0.001			
	cis-1,2-Dichloroethene	mg/kg	0.001	EIC	14		1	23						0.001	0.001		0.001			0.001			
	Trichloromethane	mg/kg	0.001	LQM	99		1	23						0.001	0.001		0.001			0.001			
	1,1,1-Trichloroethane	mg/kg	0.001	LQM	660		1	23						0.001	0.001		0.001			0.001			
	Tetrachloromethane	mg/kg	0.001	LQM	2.9		1	23						0.001	0.001		0.001			0.001			
	1,1-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	Benzene	mg/kg	0.001	C4SL	27		1	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	1,2-Dichloroethane	mg/kg	0.001	LQM	0.67		1	23						0.001	0.001		0.001			0.001			
	Trichloroethene	mg/kg	0.001	LQM	1.2		1	23						0.001	0.001		0.001			0.001			
	1,2-Dichloropropane	mg/kg	0.001	EIC	3.3		1	23						0.001	0.001		0.001			0.001			
	Dibromomethane	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	Bromodichloromethane	mg/kg	0.001	EIC	2.1		1	23						0.001	0.001		0.001			0.001			
	cis-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	Toluene	mg/kg	0.001	LQM	56000	869	1	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	Trans-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	1,1,2-Trichloroethane	mg/kg	0.001	EIC	94		1	23						0.001	0.001		0.001			0.001			
	Tetrachloroethene	mg/kg	0.001	LQM	19		1	23						0.001	0.001		0.001			0.001			
	1,3-Dichloropropane	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	Dibromochloromethane	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	1,2-Dibromoethane	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	Chlorobenzene	mg/kg	0.001	LQM	56		1	23						0.001	0.001		0.001			0.001			
	1,1,1,2-Tetrachloroethane	mg/kg	0.001	LQM	110		1	23						0.001	0.001		0.001			0.001			
	Ethylbenzene	mg/kg	0.001	LQM	5700	518	1	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	p & m-Xylene	mg/kg	0.001	LQM	5900	576	1	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	o-Xylene	mg/kg	0.001	LQM	6600	478	1	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	Styrene	mg/kg	0.001	EIC	3300	626	1	23						0.001	0.001		0.001			0.001			
	Tribromomethane	mg/kg	0.001	EIC	760		1	23						0.001	0.001		0.001			0.001			
	Isopropylbenzene	mg/kg	0.001	EIC	1400	390	1	23						0.001	0.001		0.001			0.001			
	Bromobenzene	mg/kg	0.001	EIC	97		1	23						0.001	0.001		0.001			0.001			
	N-Propylbenzene	mg/kg	0.001	EIC	4100	402	1.8	23						0.001	0.001		0.001			0.001			
	2-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	1,3,5-Trimethylbenzene	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	4-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	Tert-Butylbenzene	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	1,2,4-Trimethylbenzene	mg/kg	0.001	EIC	42		7.6	23						0.001	0.001		0.001			0.001			
	Sec-Butylbenzene	mg/kg	0.001	N/A	No GAC		2.8	23						0.001	0.001		0.001			0.001			
	p-Isopropyltoluene	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	Butylbenzene	mg/kg	0.001	N/A	No GAC		3.7	23						0.001	0.001		0.001			0.001			
	1,2-Dichlorobenzene	mg/kg	0.001	LQM	2000	571	1	23						0.1	0.1		0.1			0.1			
	1,2-Dibromo-3-Chloropropane	mg/kg	0.001	N/A	No GAC		1	23						0.001	0.001		0.001			0.001			
	1,2,4-Trichlorobenzene	mg/kg	0.001	LQM	220		1	23						0.3	0.3		0.3			0.3			
	Hexachlorobutadiene	mg/kg	0.001	LQM	31		1	23						0.1	0.1		0.1			0.1			
	1,2,3-Trichlorobenzene	mg/kg	0.001	LQM	102		1	23						0.001	0.001		0.001			0.001			
	MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	EIC	7900		1	73	0.001	0.001		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001
	1,3-Dichlorobenzene	mg/kg	0.001	LQM	30		1	23						0.2	0.2		0.2			0.2			
	1,4-Dichlorobenzene	mg/kg	0.001	LQM	4400	224	1	23						0.2	0.2		0.2			0.2			
	1,1,2,2-Tetrachloroethane	mg/kg	0.001	LQM	270		1	23						0.001	0.001		0.001			0.001			
SVOCs	Phenol	mg/kg	0.2	LQM	440		0.2	21						0.2	0.2		0.2			0.2			
	2-Chlorophenol	mg/kg	0.1	LQM	3500		0.1	21						0.1	0.1		0.1			0.1			
	2,4-Dichlorophenol	mg/kg	0.3				0.3	22						0.3	0.3		0.3			0.3			
	2,4,6-Trichlorophenol	mg/kg	0.1				0.3	22						0.1	0.1		0.1			0.1			
	2,4,5-Trichlorophenol	mg/kg	0.2				0.2	22						0.2	0.2		0.2			0.2			
	Bis(2-Chloroethyl)Ether	mg/kg	0.2	N/A	No GAC		0.2	21						0.2	0.2		0.2			0.2			
	2-Methylphenol	mg/kg	0.3	EIC	160000	15000	0.3	23						0.3	0.3		0.3			0.3			
	4-Methylphenol	mg/kg	0.2				0.2	23						0.2	0.2		0.2			0.2			
	Bis(2-Chloroisopropyl)Ether	mg/kg	0.1	N/A	No GAC		0.2	23						0.1	0.1		0.1			0.1			
	Hexachloroethane	mg/kg	0.05	EIC	22	8.17	0.1	23						0.05	0.05		0.05			0.05			
	Nitrobenzene	mg/kg	0.3	N/A	No GAC		0.3	23						0.3	0.3		0.3			0.3			
	Isophorone	mg/kg	0.2	N/A	No GAC		0.3	23						0.2	0.2		0.2			0.2			
	2-Nitrophenol	mg/kg	0.3	N/A	No GAC		0.3	23						0.3	0.3		0.3			0.3			
	2,4-Dimethylphenol	mg/kg	0.3	EIC	16000	1380	0.3	23						0.3	0.3		0.3			0.3			
	Bis(2-Chloroethoxy)Methane	mg/kg	0.3	N/A	No GAC		0.3	23						0.3	0.3		0.3			0.3			
	4-Chloroaniline	mg/kg	0.1	N/A	No GAC		0.3	23						0.1	0.1		0.1			0.1			
	4-Chloro-3-Methylphenol	mg/kg	0.1	N/A	No GAC		0.1	23						0.1	0.1		0.1			0.1			
	2-Methylnaphthalene	mg/kg	0.1	N/A	No GAC		120	23						0.1	0.1		0.1			0.1			
	2-Chloronaphthalene	mg/kg	0.1	EIC	390	114	0.1	23						0.1	0.1		0.1			0.1			
	Dimethylphthalate	mg/kg	0.1	N/A	No GAC		0.1	23						0.1	0.1		0.1			0.1			
	2,6-Dinitrotoluene	mg/kg	0.1	N/A	No GAC		0.2	23						0.1	0.1		0.1			0.1			
	Dibenzofuran	mg/kg	0.2	N/A	No GAC		240	23						0.2	0.2		0.2			0.2			
	4-Chlorophenyl phenyl ether	mg/kg	0.3	N/A	No GAC		0.3	23						0.3	0.3		0.3			0.3			
	2,4-Dinitrotoluene	mg/kg	0.2	N/A	No GAC		0.2	23						0.2	0.2		0.2			0.2			
	Diethyl Phthalate	mg/kg	0.2	EIC	150000	13.7	0.2	23						0.2	0.2		0.2			0.2			
	4-Nitroaniline	mg/kg	0.2	N/A	No GAC		0.2	23						0.2	0.2		0.2			0.2			
	Azobenzene	mg/kg	0.3	N/A	No GAC		3.1	23						0.3	0.3		0.3			0.3			
	Bromophenyl phenyl Ether	mg/kg	0.2	N/A	No GAC		0.2	23						0.2	0.2		0.2			0.2			
	Hexachlorobenzene	mg/kg	0.3	LQM	110	0.2	0.3	23						0.3	0.3		0.3			0.3			
	Carbazole	mg/kg	0.3	N/A	No GAC		73	23						0.3	0.3		0.3			0.3			
	Dibutyl Phthalate	mg/kg	0.2	EIC	15000	4.65	0.3	23						0.2	0.2		0.2			0.2			
	Butyl benzyl Phthalate	mg/kg	0.3	EIC	940000	26.3	0.3	23						0.3	0.3		0.3			0.3			
Organic	Total Phenols	mg/kg	1	N/A	No Gac		1	2	1								1						
	Total PCBs	mg/kg	0.012	N/A	No Gac		0.012	3			0.012								0.012				
	PCB Congener 077	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 081	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 105	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 114	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 123	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 118	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 126	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 169	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 156	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 157	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 167	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				
	PCB Congener 189	mg/kg	0.001	N/A	No Gac		0.001	3			0.001								0.001				

		Commercial 1% SOM					Lab Sample Number	1132640	1132641	1132642	1132643	1132644	1132645	1132646	1132647	1132648	1132649	1132650	1132651
							Sample Reference	TP/SA106	BH110	DS345	DS122	DS124	DS128	DS118	DS120	TP/SA113	TP120	TP117	TP110
							Sample Number	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	KEY:						Depth (m)	0.20	0.50	0.30	0.40	0.90	0.30	0.10	0.20	2.70	2.70	2.70	0.20
	Exceedances of GACs highlighted in red. Potential risk to human health identified.						Date Sampled	14/01/2019	11/01/2019	10/01/2019	14/01/2019	14/01/2019	14/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
							Time Taken	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	Determinand	Units	LOD	GAC Source	GAC	Solubility	Max Value	No. of Samples												
ACMs	Asbestos in Soil	N/A		DS-GAC	Detected		Asbestos Detected	75	Detected	Detected	Detected	Detected	-	Detected	-	-	-	Detected	Detected	Detected
Inorganic	Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	N/A	No GAC		870	71		0.051		0.062		0.086				0.17	0.075	
	Total Cyanide	mg/kg	1	DS-GAC	60		1	6				1								
	Free Cyanide	mg/kg	1	DS-GAC	60		1	6				1								
Heavy Metals	Arsenic (aqua regia extractable)	mg/kg	1	LQM	640		72	61		32		57		27				37	39	
	Cadmium (aqua regia extractable)	mg/kg	0.2	LQM	190		27	61		1.1		0.4		0.2				3.9	3	
	Chromium (aqua regia extractable)	mg/kg	1	LQMH	8600		210	61		52		40		35				110	85	
	Copper (aqua regia extractable)	mg/kg	1	LQM	68000		4300	61		520		2300		630				1500	3700	
	Mercury (aqua regia extractable)	mg/kg	0.3	LQM	1100		1.5	61		0.3		0.3		0.3				0.3	0.8	
	Nickel (aqua regia extractable)	mg/kg	1	LQM	980		130	61		67		97		58				63	60	
	Lead (aqua regia extractable)	mg/kg	1	C4SL	2300		4100	61		510		460		290				1100	680	
	Zinc (aqua regia extractable)	mg/kg	1	LQM	730000		9100	61		510		500		240				1700	730	
	Chromium (Hexavalent)	mg/kg	1.2	LQM	33		1.2	61		1.2		1.2		1.2				1.2	1.2	
TPHCWG	TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	LQM	3200	304	0.001	73		0.001		0.001	0.001	0.001			0.001	0.001	0.001	
	TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	LQM	7800	144	0.001	73		0.001		0.001	0.001	0.001			0.001	0.001	0.001	
	TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	LQM	2000	78	170	73		0.001		0.001	0.084	0.001			71	0.001	0.001	
	TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	LQM	9700	48	160	73		1.8		1	6.5	1			6.1	2.2	1.5	
	TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	LQM	59000	24	980	73		5.2		3.4	100	2			220	4.7	5.8	
	TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	LQM	1600000	8.48	2700	73		23		35	240	8			230	39	57	
	TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8				11000	73		160		140	240	35			180	300	670	
	TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	LQM	26000	1220	0.001	73		0.001		0.001	0.001	0.001			0.001	0.001	0.001	
	TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	LQM	56000	869	0.007	73		0.001		0.001	0.001	0.001			0.001	0.001	0.001	
	TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	LQM	3500	613	8	73		0.001		0.001	0.001	0.001			0.18	0.001	0.001	
	TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	LQM	16000	364	760	73		1		1	2.5	5.8			1	1	1	
	TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	LQM	36000		2500	73		2		2	71	24			200	2.9	2	
	TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	LQM	28000		3100	73		24		10	180	130			150	41	26	
	TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	LQM	28000		6700	73		66		10	190	250			130	190	240	
	Total Petroleum Hydrocarbons	mg/kg		DS-GAC	5000		22522.006	73		283.006		202.406	1030.089	455.806			1188.284	580.806	1003.306	
PAHs USEPA 16	Naphthalene	mg/kg	0.05	LQM	190	76.4	520	73		0.28		0.57	0.05	1.1			0.05	0.47	0.41	
	Acenaphthylene	mg/kg	0.05	LQM	83000	86.1	15	73		0.05		0.05	0.05	0.71			0.05	0.05	0.05	
	Acenaphthene	mg/kg	0.05	LQM	84000	57	260	73		0.05		0.05	0.18	0.23			0.05	0.24	0.05	
	Fluorene	mg/kg	0.05	LQM	63000	30.9	250	73		0.05		0.05	0.38	1.6			0.05	0.22	0.05	
	Phenanthrene	mg/kg	0.05	LQM	22000	36	740	73		2.1		1	1.2	17			0.5	1.7	0.81	
	Anthracene	mg/kg	0.05	LQM	520000	1.17	130	73		0.52		0.13	0.34	4.4			0.05	0.32	0.21	
	Fluoranthene	mg/kg	0.05	LQM	23000		220	73		4.1		0.84	0.64	19			0.05	2.2	0.91	
	Pyrene	mg/kg	0.05	LQM	54000		130	73		3.6		0.87	0.65	16			0.05	2	0.92	
	Benzo(a)anthracene	mg/kg	0.05	LQM	170		46	73		2.3		0.66	0.44	11			0.05	1.2	0.54	
	Chrysene	mg/kg	0.05	LQM	350		36	73		2		0.76	0.29	8.7			0.05	0.96	0.6	
	Benzo(b)fluoranthene	mg/kg	0.05	LQM	44		43	73		3		0.7	0.5	15			0.05	1.3	0.81	
	Benzo(k)fluoranthene	mg/kg	0.05	LQM	1200		16	73		1.1		0.31	0.22	6.5			0.05	0.83	0.27	
	Benzo(a)pyrene	mg/kg	0.05	LQM	35		38	73		2.3		0.35	0.43	15			0.05	0.92	0.5	
	Indeno(1,2,3-cd)Pyrene	mg/kg	0.05	LQM	500		21	73		1.2		0.19	0.21	8			0.05	0.47	0.26	
	Dibenz(a,h)Anthracene	mg/kg	0.05	LQM	3.5		6.4	73		0.34		0.05	0.05	2.1			0.05	0.05	0.05	
	Benzo(ghi)perylene	mg/kg	0.05	LQM	3900		24	73		1.3		0.24	0.28	7.9			0.05	0.52	0.4	
VOCs	Chloromethane	mg/kg	0.001	EIC	1		1	23					0.001				0.001			
	Vinyl Chloride	mg/kg	0.001	LQM	0.059		1	23					0.001				0.001			
	Bromomethane	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	Chloroethane	mg/kg	0.001	EIC	960		1	23					0.001				0.001			
	Trichlorofluoromethane	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	1,1-Dichloroethene	mg/kg	0.001	EIC	26		1	23					0.001				0.001			
	Trans-1,2-Dichloroethene	mg/kg	0.001	EIC	22		1	23					0.001				0.001			
	1,1-Dichloroethane	mg/kg	0.001	EIC	280		1	23					0.001				0.001			
	cis-1,2-Dichloroethene	mg/kg	0.001	EIC	14		1	23					0.001				0.001			
	Trichloromethane	mg/kg	0.001	LQM	99		1	23					0.001				0.001			
	1,1,1-Trichloroethane	mg/kg	0.001	LQM	660		1	23					0.001				0.001			
	Tetrachloromethane	mg/kg	0.001	LQM	2.9		1	23					0.001				0.001			
	1,1-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	Benzene	mg/kg	0.001	C4SL	27		1	73		0.001		0.001	0.001	0.001			0.001	0.001	0.001	
	1,2-Dichloroethane	mg/kg	0.001	LQM	0.67		1	23					0.001				0.001			
	Trichloroethene	mg/kg	0.001	LQM	1.2		1	23					0.001				0.001			
	1,2-Dichloropropane	mg/kg	0.001	EIC	3.3		1	23					0.001				0.001			
	Dibromomethane	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	Bromodichloromethane	mg/kg	0.001	EIC	2.1		1	23					0.001				0.001			
	cis-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	Toluene	mg/kg	0.001	LQM	56000	869	1	73		0.001		0.001	0.001	0.001			0.001	0.001	0.001	
	Trans-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	1,1,2-Trichloroethane	mg/kg	0.001	EIC	94		1	23					0.001				0.001			
	Tetrachloroethene	mg/kg	0.001	LQM	19		1	23					0.001				0.001			
	1,3-Dichloropropane	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	Dibromochloromethane	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	1,2-Dibromoethane	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	Chlorobenzene	mg/kg	0.001	LQM	56		1	23					0.001				0.001			
	1,1,1,2-Tetrachloroethane	mg/kg	0.001	LQM	110		1	23					0.001				0.001			
	Ethylbenzene	mg/kg	0.001	LQM	5700	518	1	73		0.001		0.001	0.001	0.001			0.001	0.001	0.001	
	p & m-Xylene	mg/kg	0.001	LQM	5900	576	1	73		0.001		0.001	0.001	0.001			0.001	0.001	0.001	
	o-Xylene	mg/kg	0.001	LQM	6600	478	1	73		0.001		0.001	0.001	0.001			0.001	0.001	0.001	
	Styrene	mg/kg	0.001	EIC	3300	626	1	23					0.001				0.001			
	Tribromomethane	mg/kg	0.001	EIC	760		1	23					0.001				0.001			
	Isopropylbenzene	mg/kg	0.001	EIC	1400	390	1	23					0.001				0.001			
	Bromobenzene	mg/kg	0.001	EIC	97		1	23					0.001				0.001			
	N-Propylbenzene	mg/kg	0.001	EIC	4100	402	1.8	23					0.001				0.18			
	2-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	1,3,5-Trimethylbenzene	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	4-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	Tert-Butylbenzene	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.11			
	1,2,4-Trimethylbenzene	mg/kg	0.001	EIC	42		7.6	23					0.001				0.001			
	Sec-Butylbenzene	mg/kg	0.001	N/A	No GAC		2.8	23					0.001				0.37			
	p-Isopropyltoluene	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	Butylbenzene	mg/kg	0.001	N/A	No GAC		3.7	23					0.001				0.54			
	1,2-Dichlorobenzene	mg/kg	0.001	LQM	2000	571	1	23					0.1				0.1			
	1,2-Dibromo-3-Chloropropane	mg/kg	0.001	N/A	No GAC		1	23					0.001				0.001			
	1,2,4-Trichlorobenzene	mg/kg	0.001	LQM	220		1	23					0.3				0.3			
	Hexachlorobutadiene	mg/kg	0.001	LQM	31		1	23					0.1				0.1			
	1,2,3-Trichlorobenzene	mg/kg	0.001	LQM	102		1	23					0.001				0.001			
	MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	EIC	7900		1	73		0.001		0.001	0.001	0.001			0.001	0.001	0.001	
	1,3-Dichlorobenzene	mg/kg	0.001	LQM	30		1	23					0.2				0.2			
	1,4-Dichlorobenzene	mg/kg	0.001	LQM	4400	224	1	23					0.2				0.2			
	1,1,2,2-Tetrachloroethane	mg/kg	0.001	LQM	270		1	23					0.001				0.001			
SVOCs	Phenol	mg/kg	0.2	LQM	440		0.2	21					0.2				0.2			
	2-Chlorophenol	mg/kg	0.1	LQM	3500		0.1	21					0.1				0.1			
	2,4-Dichlorophenol	mg/kg	0.3				0.3	22					0.3				0.3			
	2,4,6-Trichlorophenol	mg/kg	0.1				0.3	22					0.1				0.1			
	2,4,5-Trichlorophenol	mg/kg	0.2				0.2	22					0.2				0.2			
	Bis(2-Chloroethyl)Ether	mg/kg	0.2	N/A	No GAC		0.2	21					0.2				0.2			
	2-Methylphenol	mg/kg	0.3	EIC	160000	15000	0.3	23					0.3				0.3			
	4-Methylphenol	mg/kg	0.2				0.2	23					0.2				0.2			
	Bis(2-Chloroisopropyl)Ether	mg/kg	0.1	N/A	No GAC		0.2	23					0.1				0.1			
	Hexachloroethane	mg/kg	0.05	EIC	22	8.17	0.1	23					0.05				0.05			
	Nitrobenzene	mg/kg	0.3	N/A	No GAC		0.3	23					0.3				0.3			
	Isophorone	mg/kg	0.2	N/A	No GAC		0.3	23					0.2				0.2			
	2-Nitrophenol	mg/kg	0.3	N/A	No GAC		0.3	23					0.3				0.3			
	2,4-Dimethylphenol	mg/kg	0.3	EIC	16000	1380	0.3	23					0.3				0.3			
	Bis(2-Chloroethoxy)Methane	mg/kg	0.3	N/A	No GAC		0.3	23					0.3				0.3			
	4-Chloroaniline	mg/kg	0.1	N/A	No GAC		0.3	23					0.1				0.1			
	4-Chloro-3-Methylphenol	mg/kg	0.1	N/A	No GAC		0.1	23					0.1				0.1			
	2-Methylnaphthalene	mg/kg	0.1	N/A	No GAC		120	23					0.1				0.1			
	2-Chloronaphthalene	mg/kg	0.1	EIC	390	114	0.1	23					0.1				0.1			
	Dimethylphthalate	mg/kg	0.1	N/A	No GAC		0.1	23					0.1				0.1			
	2,6-Dinitrotoluene	mg/kg	0.1	N/A	No GAC		0.2	23					0.1				0.1			
	Dibenzofuran	mg/kg	0.2	N/A	No GAC		240	23					0.2				0.2			
	4-Chlorophenyl phenyl ether	mg/kg	0.3	N/A	No GAC		0.3	23					0.3				0.3			
	2,4-Dinitrotoluene	mg/kg	0.2	N/A	No GAC		0.2	23					0.2				0.2			
	Diethyl Phthalate	mg/kg	0.2	EIC	150000	13.7	0.2	23					0.2				0.2			
	4-Nitroaniline	mg/kg	0.2	N/A	No GAC		0.2	23					0.2				0.2			
	Azobenzene	mg/kg	0.3	N/A	No GAC		3.1	23					0.3				0.3			
	Bromophenyl phenyl Ether	mg/kg	0.2	N/A	No GAC		0.2	23					0.2				0.2			
	Hexachlorobenzene	mg/kg	0.3	LQM	110	0.2	0.3	23					0.3				0.3			
	Carbazole	mg/kg	0.3	N/A	No GAC		73	23					0.3				0.3			
	Dibutyl Phthalate	mg/kg	0.2	EIC	15000	4.65	0.3	23					0.2				0.2			
	Butyl benzyl Phthalate	mg/kg	0.3	EIC	940000	26.3	0.3	23					0.3				0.3			
Organic	Total Phenols	mg/kg	1	N/A	No Gac		1	2												
	Total PCBs	mg/kg	0.012	N/A	No Gac		0.012	3									0.012			
	PCB Congener 077	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 081	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 105	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 114	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 123	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 118	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 126	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 169	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 156	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 157	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 167	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			
	PCB Congener 189	mg/kg	0.001	N/A	No Gac		0.001	3									0.001			

		Commercial 1% SOM					Lab Sample Number	1132652	1132653	1132654	1132655	1135763	1135764	1135765	1135766	1135767
							Sample Reference	TP114	TP114	TP119	TP/SA112	DS123a	DS118	DS120	DS121	DS109
							Sample Number	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	KEY:						Depth (m)	0.30	4.00	4.00	0.50	0.30	0.10	0.20	2.40	0.40
	Exceedances of GACs highlighted in red. Potential risk to human health identified.						Date Sampled	15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019	15/01/2019
							Time Taken	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	Determinand	Units	LOD	GAC Source	GAC	Solubility	Max Value	No. of Samples								
ACMs	Asbestos in Soil	N/A		DS-GAC	Detected		Asbestos Detected	75	Detected	-	Detected	Detected	Detected	Detected	Detected	-	Detected
Inorganic	Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	N/A	No GAC		870	71			0.088	0.06	0.096	1.2	0.099		0.052
	Total Cyanide	mg/kg	1	DS-GAC	60		1	6					1				
	Free Cyanide	mg/kg	1	DS-GAC	60		1	6					1				
Heavy Metals	Arsenic (aqua regia extractable)	mg/kg	1	LQM	640		72	61			31	33	24	14	17		18
	Cadmium (aqua regia extractable)	mg/kg	0.2	LQM	190		27	61			20	6.9	0.2	0.6	0.2		1.2
	Chromium (aqua regia extractable)	mg/kg	1	LQMH	8600		210	61			170	46	22	21	20		19
	Copper (aqua regia extractable)	mg/kg	1	LQM	68000		4300	61			1800	1000	300	120	750		570
	Mercury (aqua regia extractable)	mg/kg	0.3	LQM	1100		1.5	61			0.3	0.3	0.3	0.3	0.3		0.3
	Nickel (aqua regia extractable)	mg/kg	1	LQM	980		130	61			120	51	85	23	38		40
	Lead (aqua regia extractable)	mg/kg	1	C4SL	2300		4100	61			1900	520	290	140	820		420
	Zinc (aqua regia extractable)	mg/kg	1	LQM	730000		9100	61			1600	550	1100	120	120		890
	Chromium (Hexavalent)	mg/kg	1.2	LQM	33		1.2	61			1.2	1.2	1.2	1.2	1.2		1.2
TPHCWG	TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	LQM	3200	304	0.001	73		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	LQM	7800	144	0.001	73		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	LQM	2000	78	170	73		59	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	LQM	9700	48	160	73		1	1	1.2	1	1	1	1	1
	TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	LQM	59000	24	980	73		6.3	14	8.5	2	2	2	29	2
	TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	LQM	1600000	8.48	2700	73		1100	100	38	8	8	8	70	8
	TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8				11000	73		560	640	200	8	8	100	110	8.9
	TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	LQM	26000	1220	0.001	73		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	LQM	56000	869	0.007	73		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	LQM	3500	613	8	73		0.64	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	LQM	16000	364	760	73		6.3	1	1	1.4	1	1	1.2	1.1
	TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	LQM	36000		2500	73		630	12	3.2	4.7	2	2	16	3.7
	TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	LQM	28000		3100	73		960	65	31	10	10	10	45	19
	TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	LQM	28000		6700	73		260	390	130	29	10	10	82	49
	Total Petroleum Hydrocarbons	mg/kg		DS-GAC	5000		22522.006	73		3583.244	1223.006	412.906	64.106	42.006	134.006	354.206	92.706
PAHs USEPA 16	Naphthalene	mg/kg	0.05	LQM	190	76.4	520	73		0.05	0.05	0.05	0.05	0.05	0.4	0.05	0.25
	Acenaphthylene	mg/kg	0.05	LQM	83000	86.1	15	73		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	Acenaphthene	mg/kg	0.05	LQM	84000	57	260	73		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	Fluorene	mg/kg	0.05	LQM	63000	30.9	250	73		2	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	Phenanthrene	mg/kg	0.05	LQM	22000	36	740	73		3.5	0.7	0.64	0.29	0.05	0.45	0.05	1.6
	Anthracene	mg/kg	0.05	LQM	520000	1.17	130	73		0.05	0.24	0.17	0.16	0.05	0.05	0.05	0.33
	Fluoranthene	mg/kg	0.05	LQM	23000		220	73		0.51	1.3	1.3	0.75	0.05	0.3	0.41	3.2
	Pyrene	mg/kg	0.05	LQM	54000		130	73		0.79	1.4	1.4	1.8	0.05	0.33	0.46	3.4
	Benzo(a)anthracene	mg/kg	0.05	LQM	170		46	73		0.25	0.8	1.1	1.3	0.05	0.05	0.28	1.8
	Chrysene	mg/kg	0.05	LQM	350		36	73		0.27	1.1	0.92	1.4	0.05	0.05	0.22	1.5
	Benzo(b)fluoranthene	mg/kg	0.05	LQM	44		43	73		0.29	1.3	1.4	3	0.05	0.05	0.24	2.1
	Benzo(k)fluoranthene	mg/kg	0.05	LQM	1200		16	73		0.13	0.56	0.88	0.94	0.05	0.05	0.12	0.94
	Benzo(a)pyrene	mg/kg	0.05	LQM	35		38	73		0.22	1.1	1.3	1	0.05	0.05	0.26	1.6
	Indeno(1,2,3-cd)Pyrene	mg/kg	0.05	LQM	500		21	73		0.05	0.58	0.76	0.54	0.05	0.05	0.05	0.91
	Dibenz(a,h)Anthracene	mg/kg	0.05	LQM	3.5		6.4	73		0.05	0.05	0.17	0.22	0.05	0.05	0.05	0.29
	Benzo(ghi)perylene	mg/kg	0.05	LQM	3900		24	73		0.05	0.77	0.84	0.53	0.05	0.05	0.05	0.92
VOCs	Chloromethane	mg/kg	0.001	EIC	1		1	23		0.001			0.001			0.001	
	Vinyl Chloride	mg/kg	0.001	LQM	0.059		1	23		0.001			0.001			0.001	
	Bromomethane	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	Chloroethane	mg/kg	0.001	EIC	960		1	23		0.001			0.001			0.001	
	Trichlorofluoromethane	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	1,1-Dichloroethene	mg/kg	0.001	EIC	26		1	23		0.001			0.001			0.001	
	Trans-1,2-Dichloroethene	mg/kg	0.001	EIC	22		1	23		0.001			0.001			0.001	
	1,1-Dichloroethane	mg/kg	0.001	EIC	280		1	23		0.001			0.001			0.001	
	cis-1,2-Dichloroethene	mg/kg	0.001	EIC	14		1	23		0.001			0.001			0.001	
	Trichloromethane	mg/kg	0.001	LQM	99		1	23		0.001			0.001			0.001	
	1,1,1-Trichloroethane	mg/kg	0.001	LQM	660		1	23		0.001			0.001			0.001	
	Tetrachloromethane	mg/kg	0.001	LQM	2.9		1	23		0.001			0.001			0.001	
	1,1-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	Benzene	mg/kg	0.001	C4SL	27		1	73		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	1,2-Dichloroethane	mg/kg	0.001	LQM	0.67		1	23		0.001			0.001			0.001	
	Trichloroethene	mg/kg	0.001	LQM	1.2		1	23		0.001			0.001			0.001	
	1,2-Dichloropropane	mg/kg	0.001	EIC	3.3		1	23		0.001			0.001			0.001	
	Dibromomethane	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	Bromodichloromethane	mg/kg	0.001	EIC	2.1		1	23		0.001			0.001			0.001	
	cis-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	Toluene	mg/kg	0.001	LQM	56000	869	1	73		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	Trans-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	1,1,2-Trichloroethane	mg/kg	0.001	EIC	94		1	23		0.001			0.001			0.001	
	Tetrachloroethene	mg/kg	0.001	LQM	19		1	23		0.001			0.001			0.001	
	1,3-Dichloropropane	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	Dibromochloromethane	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	1,2-Dibromoethane	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	Chlorobenzene	mg/kg	0.001	LQM	56		1	23		0.001			0.001			0.001	
	1,1,1,2-Tetrachloroethane	mg/kg	0.001	LQM	110		1	23		0.001			0.001			0.001	
	Ethylbenzene	mg/kg	0.001	LQM	5700	518	1	73		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	p & m-Xylene	mg/kg	0.001	LQM	5900	576	1	73		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	o-Xylene	mg/kg	0.001	LQM	6600	478	1	73		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	Styrene	mg/kg	0.001	EIC	3300	626	1	23		0.001			0.001			0.001	
	Tribromomethane	mg/kg	0.001	EIC	760		1	23		0.001			0.001			0.001	
	Isopropylbenzene	mg/kg	0.001	EIC	1400	390	1	23		0.001			0.001			0.001	
	Bromobenzene	mg/kg	0.001	EIC	97		1	23		0.001			0.001			0.001	
	N-Propylbenzene	mg/kg	0.001	EIC	4100	402	1.8	23		0.64			0.001			0.001	
	2-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	1,3,5-Trimethylbenzene	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	4-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	Tert-Butylbenzene	mg/kg	0.001	N/A	No GAC		1	23		0.17			0.001			0.001	
	1,2,4-Trimethylbenzene	mg/kg	0.001	EIC	42		7.6	23		0.001			0.001			0.001	
	Sec-Butylbenzene	mg/kg	0.001	N/A	No GAC		2.8	23		0.63			0.001			0.001	
	p-Isopropyltoluene	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	Butylbenzene	mg/kg	0.001	N/A	No GAC		3.7	23		0.7			0.001			0.001	
	1,2-Dichlorobenzene	mg/kg	0.001	LQM	2000	571	1	23		0.1			0.1			0.1	
	1,2-Dibromo-3-Chloropropane	mg/kg	0.001	N/A	No GAC		1	23		0.001			0.001			0.001	
	1,2,4-Trichlorobenzene	mg/kg	0.001	LQM	220		1	23		0.3			0.3			0.3	
	Hexachlorobutadiene	mg/kg	0.001	LQM	31		1	23		0.1			0.1			0.1	
	1,2,3-Trichlorobenzene	mg/kg	0.001	LQM	102		1	23		0.001			0.001			0.001	
	MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	EIC	7900		1	73		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	1,3-Dichlorobenzene	mg/kg	0.001	LQM	30		1	23		0.2			0.2			0.2	
	1,4-Dichlorobenzene	mg/kg	0.001	LQM	4400	224	1	23		0.2			0.2			0.2	
	1,1,2,2-Tetrachloroethane	mg/kg	0.001	LQM	270		1	23		0.001			0.001			0.001	
SVOCs	Phenol	mg/kg	0.2	LQM	440		0.2	21		0.2			0.2			0.2	
	2-Chlorophenol	mg/kg	0.1	LQM	3500		0.1	21		0.1			0.1			0.1	
	2,4-Dichlorophenol	mg/kg	0.3				0.3	22		0.3			0.3			0.3	
	2,4,6-Trichlorophenol	mg/kg	0.1				0.3	22		0.1			0.1			0.1	
	2,4,5-Trichlorophenol	mg/kg	0.2				0.2	22		0.2			0.2			0.2	
	Bis(2-Chloroethyl)Ether	mg/kg	0.2	N/A	No GAC		0.2	21		0.2			0.2			0.2	
	2-Methylphenol	mg/kg	0.3	EIC	160000	15000	0.3	23		0.3			0.3			0.3	
	4-Methylphenol	mg/kg	0.2				0.2	23		0.2			0.2			0.2	
	Bis(2-Chloroisopropyl)Ether	mg/kg	0.1	N/A	No GAC		0.2	23		0.1			0.1			0.1	
	Hexachloroethane	mg/kg	0.05	EIC	22	8.17	0.1	23		0.05			0.05			0.05	
	Nitrobenzene	mg/kg	0.3	N/A	No GAC		0.3	23		0.3			0.3			0.3	
	Isophorone	mg/kg	0.2	N/A	No GAC		0.3	23		0.2			0.2			0.2	
	2-Nitrophenol	mg/kg	0.3	N/A	No GAC		0.3	23		0.3			0.3			0.3	
	2,4-Dimethylphenol	mg/kg	0.3	EIC	16000	1380	0.3	23		0.3			0.3			0.3	
	Bis(2-Chloroethoxy)Methane	mg/kg	0.3	N/A	No GAC		0.3	23		0.3			0.3			0.3	
	4-Chloroaniline	mg/kg	0.1	N/A	No GAC		0.3	23		0.1			0.1			0.1	
	4-Chloro-3-Methylphenol	mg/kg	0.1	N/A	No GAC		0.1	23		0.1			0.1			0.1	
	2-Methylnaphthalene	mg/kg	0.1	N/A	No GAC		120	23		0.1			0.1			0.1	
	2-Chloronaphthalene	mg/kg	0.1	EIC	390	114	0.1	23		0.1			0.1			0.1	
	Dimethylphthalate	mg/kg	0.1	N/A	No GAC		0.1	23		0.1			0.1			0.1	
	2,6-Dinitrotoluene	mg/kg	0.1	N/A	No GAC		0.2	23		0.1			0.1			0.1	
	Dibenzofuran	mg/kg	0.2	N/A	No GAC		240	23		0.2			0.2			0.2	
	4-Chlorophenyl phenyl ether	mg/kg	0.3	N/A	No GAC		0.3	23		0.3			0.3			0.3	
	2,4-Dinitrotoluene	mg/kg	0.2	N/A	No GAC		0.2	23		0.2			0.2			0.2	
	Diethyl Phthalate	mg/kg	0.2	EIC	150000	13.7	0.2	23		0.2			0.2			0.2	
	4-Nitroaniline	mg/kg	0.2	N/A	No GAC		0.2	23		0.2			0.2			0.2	
	Azobenzene	mg/kg	0.3	N/A	No GAC		3.1	23		0.3			0.3			0.3	
	Bromophenyl phenyl Ether	mg/kg	0.2	N/A	No GAC		0.2	23		0.2			0.2			0.2	
	Hexachlorobenzene	mg/kg	0.3	LQM	110	0.2	0.3	23		0.3			0.3			0.3	
	Carbazole	mg/kg	0.3	N/A	No GAC		73	23		0.3			0.3			0.3	
	Dibutyl Phthalate	mg/kg	0.2	EIC	15000	4.65	0.3	23		0.2			0.2			0.2	
	Butyl benzyl Phthalate	mg/kg	0.3	EIC	940000	26.3	0.3	23		0.3			0.3			0.3	
Organic	Total Phenols	mg/kg	1	N/A	No Gac		1	2									
	Total PCBs	mg/kg	0.012	N/A	No Gac		0.012	3									
	PCB Congener 077	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 081	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 105	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 114	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 123	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 118	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 126	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 169	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 156	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 157	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 167	mg/kg	0.001	N/A	No Gac		0.001	3									
	PCB Congener 189	mg/kg	0.001	N/A	No Gac		0.001	3									

				Commercial 1% SOM																			
							Lab Sample Number	1136763	1136764	1136765	1136766	1136767	1136768	1136769	1136770	1139197	1139198	1139199	1139200	1139201	1139202	1139203
							Sample Reference	TP102	DS108	DS110	DS111	DS116	DS114	BH109	BH106	TP104	TP121	TP123	TP125	TP127	DS143a	DS143a
							Sample Number	None Suppl	0.40	0.30	0.30	0.30	0.30	1.00	0.30	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	KEY:						Depth (m)	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	0.50	None Suppl	None Suppl	None Suppl	None Suppl	0.20	3.80
	Exceedances of GACs highlighted in red. Potential risk to human health identified.						Date Sampled	16/01/2019	16/01/2019	16/01/2019	16/01/2019	17/01/2019	17/01/2019	16/01/2019	17/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019	16/01/2019
							Time Taken	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	Determinand	Units	LOD	GAC Source	GAC	Solubility	Max Value	No. of Samples															
ACMs	Asbestos in Soil	N/A		DS-GAC	Detected		Asbestos Detected	75	Not-detecte	Detected	Not-detecte	Not-detecte	Not-detecte	Detected	Not-detecte	Not-detecte	Detected	Detected	Detected	Detected	Detected	Detected	-
Inorganic	Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	N/A	No GAC		870	71	0.037	0.12	0.078	0.075	0.057	0.11	0.025	0.16	0.016	0.47	0.05	0.11	0.021	0.1	
	Total Cyanide	mg/kg	1	DS-GAC	60		1	6															
	Free Cyanide	mg/kg	1	DS-GAC	60		1	6															
Heavy Metals	Arsenic (aqua regia extractable)	mg/kg	1	LQM	640		72	61	16	54	20	19	31	46	7.8	25	13	37	21	16	21	41	
	Cadmium (aqua regia extractable)	mg/kg	0.2	LQM	190		27	61	1.7	27	0.4	0.6	1	2.3	0.2	0.2	2	1	1.7	2.2	1.9	0.7	
	Chromium (aqua regia extractable)	mg/kg	1	LQMH	8600		210	61	18	23	16	18	22	40	31	18	14	47	37	26	81	34	
	Copper (aqua regia extractable)	mg/kg	1	LQM	68000		4300	61	650	700	170	260	850	1200	72	550	120	910	1400	320	1900	920	
	Mercury (aqua regia extractable)	mg/kg	0.3	LQM	1100		1.5	61	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
	Nickel (aqua regia extractable)	mg/kg	1	LQM	980		130	61	20	26	57	62	69	79	28	56	17	87	46	29	66	42	
	Lead (aqua regia extractable)	mg/kg	1	C4SL	2300		4100	61	210	710	90	270	370	920	55	190	190	610	460	160	910	590	
	Zinc (aqua regia extractable)	mg/kg	1	LQM	730000		9100	61	280	4100	100	1100	450	570	73	170	200	220	300	190	9100	310	
	Chromium (Hexavalent)	mg/kg	1.2	LQM	33		1.2	61	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
TPHCWG	TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	LQM	3200	304	0.001	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	LQM	7800	144	0.001	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	LQM	2000	78	170	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	170
	TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	LQM	9700	48	160	73	1	1	1	1	1	1	1	1	1	1	1.9	1	1	3.9	160
	TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	LQM	59000	24	980	73	3.2	2	2	2	4.6	2	2	2	2	2	4.8	2	5	10	980
	TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	LQM	1600000	8.48	2700	73	17	8.9	8	8	25	8.5	8	8	8	8.7	22	12	19	26	990
	TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8				11000	73	110	44	8	8	140	160	8	8	8	84	130	85	130	160	590
	TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	LQM	26000	1220	0.001	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	LQM	56000	869	0.007	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	LQM	3500	613	8	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2.5
	TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	LQM	16000	364	760	73	1	1	1	1	1	1	1	1	1	1	1	1	1	1	140
	TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	LQM	36000		2500	73	7.6	2	2	2	5.7	2	2	2	2	2.7	2	5.2	2.1	4.2	1100
	TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	LQM	28000		3100	73	46	10	10	10	25	16	10	10	12	26	10	24	23	21	1100
	TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	LQM	28000		6700	73	77	10	10	10	81	52	10	10	31	62	26	79	91	86	470
	Total Petroleum Hydrocarbons	mg/kg		DS-GAC	5000		22522.006	73	262.806	78.906	42.006	42.006	283.306	242.506	42.006	42.006	65.006	187.406	197.706	209.206	272.106	312.106	5702.504
PAHs USEPA 16	Naphthalene	mg/kg	0.05	LQM	190	76.4	520	73	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.76	0.05	0.05	0.05	0.31	0.05
	Acenaphthylene	mg/kg	0.05	LQM	83000	86.1	15	73	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.34	0.05	0.05	0.05
	Acenaphthene	mg/kg	0.05	LQM	84000	57	260	73	0.4	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.22	0.05	0.05	0.05	0.05	0.05
	Fluorene	mg/kg	0.05	LQM	63000	30.9	250	73	0.51	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.23	0.05	0.05	0.05	0.05	2
	Phenanthrene	mg/kg	0.05	LQM	22000	36	740	73	5.6	0.05	0.05	0.05	1.1	1.7	0.05	0.05	0.4	2.9	0.43	0.9	0.46	1	3.6
	Anthracene	mg/kg	0.05	LQM	520000	1.17	130	73	1.4	0.05	0.05	0.05	0.37	0.32	0.05	0.05	0.05	0.74	0.17	0.57	0.1	0.24	0.05
	Fluoranthene	mg/kg	0.05	LQM	23000		220	73	10	0.05	0.05	0.05	3.7	2.8	0.05	0.05	0.73	4.9	1.1	2.2	0.89	1.1	0.05
	Pyrene	mg/kg	0.05	LQM	54000		130	73	8.6	0.05	0.05	0.05	3.3	2.8	0.05	0.05	0.55	4	0.99	2.2	0.93	1.1	0.05
	Benzo(a)anthracene	mg/kg	0.05	LQM	170		46	73	5.1	0.05	0.05	0.05	2.7	1.8	0.05	0.05	0.21	2	0.55	1.2	0.59	0.63	0.05
	Chrysene	mg/kg	0.05	LQM	350		36	73	3.6	0.05	0.05	0.05	2	1.4	0.05	0.05	0.42	2	0.54	1.2	0.44	0.94	0.05
	Benzo(b)fluoranthene	mg/kg	0.05	LQM	44		43	73	5.7	0.05	0.05	0.05	2.5	2.2	0.05	0.05	0.45	2.3	0.66	1.8	0.7	1	0.05
	Benzo(k)fluoranthene	mg/kg	0.05	LQM	1200		16	73	1.7	0.05	0.05	0.05	0.9	0.63	0.05	0.05	0.21	1.3	0.41	0.8	0.3	0.7	0.05
	Benzo(a)pyrene	mg/kg	0.05	LQM	35		38	73	4.3	0.05	0.05	0.05	1.7	1.2	0.05	0.05	0.32	2.1	0.51	1.4	0.59	0.95	0.05
	Indeno(1,2,3-cd)Pyrene	mg/kg	0.05	LQM	500		21	73	2.2	0.05	0.05	0.05	0.89	0.51	0.05	0.05	0.2	1.1	0.27	0.69	0.27	0.68	0.05
	Dibenz(a,h)Anthracene	mg/kg	0.05	LQM	3.5		6.4	73	0.44	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.29	0.05	0.2	0.05	0.22	0.05
	Benzo(ghi)perylene	mg/kg	0.05	LQM	3900		24	73	2.2	0.05	0.05	0.05	1	0.71	0.05	0.05	0.25	1.3	0.36	0.89	0.37	0.9	0.05
VOCs	Chloromethane	mg/kg	0.001	EIC	1		1	23															0.001
	Vinyl Chloride	mg/kg	0.001	LQM	0.059		1	23															0.001
	Bromomethane	mg/kg	0.001	N/A	No GAC		1	23															0.001
	Chloroethane	mg/kg	0.001	EIC	960		1	23															0.001
	Trichlorofluoromethane	mg/kg	0.001	N/A	No GAC		1	23															0.001
	1,1-Dichloroethene	mg/kg	0.001	EIC	26		1	23															0.001
	Trans-1,2-Dichloroethene	mg/kg	0.001	EIC	22		1	23															0.001
	1,1-Dichloroethane	mg/kg	0.001	EIC	280		1	23															0.001
	cis-1,2-Dichloroethene	mg/kg	0.001	EIC	14		1	23															0.001
	Trichloromethane	mg/kg	0.001	LQM	99		1	23															0.001
	1,1,1-Trichloroethane	mg/kg	0.001	LQM	660		1	23															0.001
	Tetrachloromethane	mg/kg	0.001	LQM	2.9		1	23															0.001
	1,1-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23															0.001
	Benzene	mg/kg	0.001	C4SL	27		1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	1,2-Dichloroethane	mg/kg	0.001	LQM	0.67		1	23															0.001
	Trichloroethene	mg/kg	0.001	LQM	1.2		1	23															0.001
	1,2-Dichloropropane	mg/kg	0.001	EIC	3.3		1	23															0.001
	Dibromomethane	mg/kg	0.001	N/A	No GAC		1	23															0.001
	Bromodichloromethane	mg/kg	0.001	EIC	2.1		1	23															0.001
	cis-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23															0.001
	Toluene	mg/kg	0.001	LQM	56000	869	1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	Trans-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23															0.001
	1,1,2-Trichloroethane	mg/kg	0.001	EIC	94		1	23															0.001
	Tetrachloroethene	mg/kg	0.001	LQM	19		1	23															0.001
	1,3-Dichloropropane	mg/kg	0.001	N/A	No GAC		1	23															0.001
	Dibromochloromethane	mg/kg	0.001	N/A	No GAC		1	23															0.001
	1,2-Dibromoethane	mg/kg	0.001	N/A	No GAC		1	23															0.001
	Chlorobenzene	mg/kg	0.001	LQM	56		1	23															0.001
	1,1,1,2-Tetrachloroethane	mg/kg	0.001	LQM	110		1	23															0.001
	Ethylbenzene	mg/kg	0.001	LQM	5700	518	1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	p & m-Xylene	mg/kg	0.001	LQM	5900	576	1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	o-Xylene	mg/kg	0.001	LQM	6600	478	1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	Styrene	mg/kg	0.001	EIC	3300	626	1	23															0.001
	Tribromomethane	mg/kg	0.001	EIC	760		1	23															0.001
	Isopropylbenzene	mg/kg	0.001	EIC	1400	390	1	23															0.72
	Bromobenzene	mg/kg	0.001	EIC	97		1	23															0.001
	N-Propylbenzene	mg/kg	0.001	EIC	4100	402	1.8	23															1.8
	2-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23															0.001
	1,3,5-Trimethylbenzene	mg/kg	0.001	N/A	No GAC		1	23															0.001
	4-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23															0.001
	Tert-Butylbenzene	mg/kg	0.001	N/A	No GAC		1	23															0.84
	1,2,4-Trimethylbenzene	mg/kg	0.001	EIC	42		7.6	23															0.001
	Sec-Butylbenzene	mg/kg	0.001	N/A	No GAC		2.8	23															2.8
	p-Isopropyltoluene	mg/kg	0.001	N/A	No GAC		1	23															0.001
	Butylbenzene	mg/kg	0.001	N/A	No GAC		3.7	23															3.7
	1,2-Dichlorobenzene	mg/kg	0.001	LQM	2000	571	1	23															0.1
	1,2-Dibromo-3-Chloropropane	mg/kg	0.001	N/A	No GAC		1	23															0.001
	1,2,4-Trichlorobenzene	mg/kg	0.001	LQM	220		1	23															0.3
	Hexachlorobutadiene	mg/kg	0.001	LQM	31		1	23															0.1
	1,2,3-Trichlorobenzene	mg/kg	0.001	LQM	102		1	23															0.001
	MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	EIC	7900		1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	1,3-Dichlorobenzene	mg/kg	0.001	LQM	30		1	23															0.2
	1,4-Dichlorobenzene	mg/kg	0.001	LQM	4400	224	1	23															0.2
	1,1,2,2-Tetrachloroethane	mg/kg	0.001	LQM	270		1	23															0.001
SVOCs	Phenol	mg/kg	0.2	LQM	440		0.2	21															0.2
	2-Chlorophenol	mg/kg	0.1	LQM	3500		0.1	21															0.1
	2,4-Dichlorophenol	mg/kg	0.3				0.3	22															0.3
	2,4,6-Trichlorophenol	mg/kg	0.1				0.3	22															0.1
	2,4,5-Trichlorophenol	mg/kg	0.2				0.2	22															0.2
	Bis(2-Chloroethyl)Ether	mg/kg	0.2	N/A	No GAC		0.2	21															0.2
	2-Methylphenol	mg/kg	0.3	EIC	160000	15000	0.3	23															0.3
	4-Methylphenol	mg/kg	0.2				0.2	23															0.2
	Bis(2-Chloroisopropyl)Ether	mg/kg	0.1	N/A	No GAC		0.2	23															0.1
	Hexachloroethane	mg/kg	0.05	EIC	22	8.17	0.1	23															0.05
	Nitrobenzene	mg/kg	0.3	N/A	No GAC		0.3	23															0.3
	Isophorone	mg/kg	0.2	N/A	No GAC		0.3	23															0.2
	2-Nitrophenol	mg/kg	0.3	N/A	No GAC		0.3	23															0.3
	2,4-Dimethylphenol	mg/kg	0.3	EIC	16000	1380	0.3	23															0.3
	Bis(2-Chloroethoxy)Methane	mg/kg	0.3	N/A	No GAC		0.3	23															0.3
	4-Chloroaniline	mg/kg	0.1	N/A	No GAC		0.3	23															0.1
	4-Chloro-3-Methylphenol	mg/kg	0.1	N/A	No GAC		0.1	23															0.1
	2-Methylnaphthalene	mg/kg	0.1	N/A	No GAC		120	23															11
	2-Chloronaphthalene	mg/kg	0.1	EIC	390	114	0.1	23															0.1
	Dimethylphthalate	mg/kg	0.1	N/A	No GAC		0.1	23															0.1
	2,6-Dinitrotoluene	mg/kg	0.1	N/A	No GAC		0.2	23															0.1
	Dibenzofuran	mg/kg	0.2	N/A	No GAC		240	23															0.2
	4-Chlorophenyl phenyl ether	mg/kg	0.3	N/A	No GAC		0.3	23															0.3
	2,4-Dinitrotoluene	mg/kg	0.2	N/A	No GAC		0.2	23															0.2
	Diethyl Phthalate	mg/kg	0.2	EIC	150000	13.7	0.2	23															0.2
	4-Nitroaniline	mg/kg	0.2	N/A	No GAC		0.2	23															0.2
	Azobenzene	mg/kg	0.3	N/A	No GAC		3.1	23															0.3
	Bromophenyl phenyl Ether	mg/kg	0.2	N/A	No GAC		0.2	23															0.2
	Hexachlorobenzene	mg/kg	0.3	LQM	110	0.2	0.3	23															0.3
	Carbazole	mg/kg	0.3	N/A	No GAC		73	23															0.3
	Dibutyl Phthalate	mg/kg	0.2	EIC	15000	4.65	0.3	23															0.2
	Butyl benzyl Phthalate	mg/kg	0.3	EIC	940000	26.3	0.3	23															0.3
Organic	Total Phenols	mg/kg	1	N/A	No Gac		1	2															
	Total PCBs	mg/kg	0.012	N/A	No Gac		0.012	3															
	PCB Congener 077	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 081	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 105	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 114	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 123	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 118	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 126	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 169	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 156	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 157	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 167	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 189	mg/kg	0.001	N/A	No Gac		0.001	3															

		Commercial 1% SOM					Lab Sample Number	1139204	1139205	1139206	1139207	1139208	1142294	1142295	1144048	1144049	1144050	1144963	1144964	1144965	1137713	1137714
							Sample Reference	DS144a	DS142	DS106	BH111	BH111	BH105	BH107	TT1	TT2	TT3	TT1	TT2	TT3	BH104 (B9)	BH105 (B8)
							Sample Number	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	ES1	ES2	ES2	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	KEY:						Depth (m)	3.80	2.90	0.20	1.00	5.00	3.00	0.40	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	8.00	7.00
	Exceedances of GACs highlighted in red. Potential risk to human health identified.						Date Sampled	16/01/2019	16/01/2019	17/01/2019	17/01/2019	17/01/2019	14/01/2019	14/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019	29/01/2019	10/01/2019	14/01/2019
							Time Taken	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl
	Determinand	Units	LOD	GAC Source	GAC	Solubility	Max Value	No. of Samples															
ACMs	Asbestos in Soil	N/A		DS-GAC	Detected		Asbestos Detected	75	-	-	Detected	Detected	-	-	Detected	Detected	Detected	Detected	-	-	-		
Inorganic	Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	N/A	No GAC		870	71			0.16	0.13			0.24	0.091	1.8	0.1				0.4	0.25
	Total Cyanide	mg/kg	1	DS-GAC	60		1	6							1								
	Free Cyanide	mg/kg	1	DS-GAC	60		1	6							1								
Heavy Metals	Arsenic (aqua regia extractable)	mg/kg	1	LQM	640		72	61			25	24			16	37	35	34					
	Cadmium (aqua regia extractable)	mg/kg	0.2	LQM	190		27	61			1.1	1.8			0.2	3.6	1.9	2.7					
	Chromium (aqua regia extractable)	mg/kg	1	LQMH	8600		210	61			27	38			17	49	48	39					
	Copper (aqua regia extractable)	mg/kg	1	LQM	68000		4300	61			360	1100			150	1800	2100	1200					
	Mercury (aqua regia extractable)	mg/kg	0.3	LQM	1100		1.5	61			0.3	0.3			0.3	0.3	0.3	0.3					
	Nickel (aqua regia extractable)	mg/kg	1	LQM	980		130	61			62	38			56	56	75	85					
	Lead (aqua regia extractable)	mg/kg	1	C4SL	2300		4100	61			400	1000			93	810	680	900					
	Zinc (aqua regia extractable)	mg/kg	1	LQM	730000		9100	61			310	570			71	710	670	1900					
	Chromium (Hexavalent)	mg/kg	1.2	LQM	33		1.2	61			1.2	1.2			1.2	1.2	1.2	1.2					
TPHCWG	TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	LQM	3200	304	0.001	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	LQM	7800	144	0.001	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	LQM	2000	78	170	73	10	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	LQM	9700	48	160	73	15	1	1	1	1	1	1	1	1	1					
	TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	LQM	59000	24	980	73	980	8.1	5.2	4	20	2	2	2	2	2					
	TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	LQM	1600000	8.48	2700	73	2400	57	15	44	77	8	8	8.5	17	8					
	TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8				11000	73	1200	13	100	240	45	8	8	95	240	56					
	TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	LQM	26000	1220	0.001	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	LQM	56000	869	0.007	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	LQM	3500	613	8	73	8	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	LQM	16000	364	760	73	23	1	1	1	1	1	1	1	1	1					
	TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	LQM	36000		2500	73	970	2	2	2	24	2	2	2	2	2					
	TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	LQM	28000		3100	73	1900	10	16	25	64	10	10	10	10	10					
	TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	LQM	28000		6700	73	520	10	22	110	11	10	10	22	100	10					
	Total Petroleum Hydrocarbons	mg/kg		DS-GAC	5000		22522.006	73	8026.004	102.106	162.206	427.006	243.006	42.006	42.006	141.506	373.006	90.006					
PAHs USEPA 16	Naphthalene	mg/kg	0.05	LQM	190	76.4	520	73	0.05	0.05	0.25	0.28	0.05	0.05	0.05	0.05	0.05	0.05					
	Acenaphthylene	mg/kg	0.05	LQM	83000	86.1	15	73	0.05	0.05	0.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05					
	Acenaphthene	mg/kg	0.05	LQM	84000	57	260	73	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05					
	Fluorene	mg/kg	0.05	LQM	63000	30.9	250	73	2.9	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05					
	Phenanthrene	mg/kg	0.05	LQM	22000	36	740	73	5.5	0.05	0.67	0.76	0.05	0.05	0.05	0.55	0.56	0.42					
	Anthracene	mg/kg	0.05	LQM	520000	1.17	130	73	0.05	0.05	0.24	0.18	0.05	0.05	0.05	0.15	0.16	0.13					
	Fluoranthene	mg/kg	0.05	LQM	23000		220	73	0.05	0.05	1.6	1.3	0.05	0.05	0.05	0.92	1	0.76					
	Pyrene	mg/kg	0.05	LQM	54000		130	73	0.05	0.05	1.6	1.1	0.05	0.05	0.05	1.2	1	0.97					
	Benzo(a)anthracene	mg/kg	0.05	LQM	170		46	73	0.05	0.05	0.77	0.56	0.05	0.05	0.05	0.67	0.57	0.55					
	Chrysene	mg/kg	0.05	LQM	350		36	73	0.05	0.05	1.2	0.66	0.05	0.05	0.05	0.66	0.64	0.6					
	Benzo(b)fluoranthene	mg/kg	0.05	LQM	44		43	73	0.05	0.05	1.4	0.81	0.05	0.05	0.05	1.2	1	0.87					
	Benzo(k)fluoranthene	mg/kg	0.05	LQM	1200		16	73	0.05	0.05	0.52	0.59	0.05	0.05	0.05	0.32	0.31	0.38					
	Benzo(a)pyrene	mg/kg	0.05	LQM	35		38	73	0.05	0.05	0.92	0.71	0.05	0.05	0.05	0.75	0.62	0.47					
	Indeno(1,2,3-cd)Pyrene	mg/kg	0.05	LQM	500		21	73	0.05	0.05	0.54	0.54	0.05	0.05	0.05	0.46	0.34	0.32					
	Dibenz(a,h)Anthracene	mg/kg	0.05	LQM	3.5		6.4	73	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05					
	Benzo(ghi)perylene	mg/kg	0.05	LQM	3900		24	73	0.05	0.05	0.56	0.57	0.05	0.05	0.05	0.72	0.47	0.38					
VOCs	Chloromethane	mg/kg	0.001	EIC	1		1	23	0.001	0.001			0.001	0.001									
	Vinyl Chloride	mg/kg	0.001	LQM	0.059		1	23	0.001	0.001			0.001	0.001									
	Bromomethane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	Chloroethane	mg/kg	0.001	EIC	960		1	23	0.001	0.001			0.001	0.001									
	Trichlorofluoromethane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	1,1-Dichloroethene	mg/kg	0.001	EIC	26		1	23	0.001	0.001			0.001	0.001									
	Trans-1,2-Dichloroethene	mg/kg	0.001	EIC	22		1	23	0.001	0.001			0.001	0.001									
	1,1-Dichloroethane	mg/kg	0.001	EIC	280		1	23	0.001	0.001			0.001	0.001									
	cis-1,2-Dichloroethene	mg/kg	0.001	EIC	14		1	23	0.001	0.001			0.001	0.001									
	Trichloromethane	mg/kg	0.001	LQM	99		1	23	0.001	0.001			0.001	0.001									
	1,1,1-Trichloroethane	mg/kg	0.001	LQM	660		1	23	0.001	0.001			0.001	0.001									
	Tetrachloromethane	mg/kg	0.001	LQM	2.9		1	23	0.001	0.001			0.001	0.001									
	1,1-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	Benzene	mg/kg	0.001	C4SL	27		1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	1,2-Dichloroethane	mg/kg	0.001	LQM	0.67		1	23	0.001	0.001			0.001	0.001									
	Trichloroethene	mg/kg	0.001	LQM	1.2		1	23	0.001	0.001			0.001	0.001									
	1,2-Dichloropropane	mg/kg	0.001	EIC	3.3		1	23	0.001	0.001			0.001	0.001									
	Dibromomethane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	Bromodichloromethane	mg/kg	0.001	EIC	2.1		1	23	0.001	0.001			0.001	0.001									
	cis-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	Toluene	mg/kg	0.001	LQM	56000	869	1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	Trans-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	1,1,2-Trichloroethane	mg/kg	0.001	EIC	94		1	23	0.001	0.001			0.001	0.001									
	Tetrachloroethene	mg/kg	0.001	LQM	19		1	23	0.001	0.001			0.001	0.001									
	1,3-Dichloropropane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	Dibromochloromethane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	1,2-Dibromoethane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	Chlorobenzene	mg/kg	0.001	LQM	56		1	23	0.001	0.001			0.001	0.001									
	1,1,1,2-Tetrachloroethane	mg/kg	0.001	LQM	110		1	23	0.001	0.001			0.001	0.001									
	Ethylbenzene	mg/kg	0.001	LQM	5700	518	1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	p & m-Xylene	mg/kg	0.001	LQM	5900	576	1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	o-Xylene	mg/kg	0.001	LQM	6600	478	1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	Styrene	mg/kg	0.001	EIC	3300	626	1	23	0.001	0.001			0.001	0.001									
	Tribromomethane	mg/kg	0.001	EIC	760		1	23	0.001	0.001			0.001	0.001									
	Isopropylbenzene	mg/kg	0.001	EIC	1400	390	1	23	0.001	0.001			0.001	0.001									
	Bromobenzene	mg/kg	0.001	EIC	97		1	23	0.001	0.001			0.001	0.001									
	N-Propylbenzene	mg/kg	0.001	EIC	4100	402	1.8	23	0.32	0.001			0.001	0.001									
	2-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	1,3,5-Trimethylbenzene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	4-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	Tert-Butylbenzene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	1,2,4-Trimethylbenzene	mg/kg	0.001	EIC	42		7.6	23	7.6	0.001			0.001	0.001									
	Sec-Butylbenzene	mg/kg	0.001	N/A	No GAC		2.8	23	1.1	0.001			0.001	0.001									
	p-Isopropyltoluene	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	Butylbenzene	mg/kg	0.001	N/A	No GAC		3.7	23	1.8	0.001			0.001	0.001									
	1,2-Dichlorobenzene	mg/kg	0.001	LQM	2000	571	1	23	0.1	0.1			0.1	0.1									
	1,2-Dibromo-3-Chloropropane	mg/kg	0.001	N/A	No GAC		1	23	0.001	0.001			0.001	0.001									
	1,2,4-Trichlorobenzene	mg/kg	0.001	LQM	220		1	23	0.3	0.3			0.3	0.3									
	Hexachlorobutadiene	mg/kg	0.001	LQM	31		1	23	0.1	0.1			0.1	0.1									
	1,2,3-Trichlorobenzene	mg/kg	0.001	LQM	102		1	23	0.001	0.001			0.001	0.001									
	MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	EIC	7900		1	73	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
	1,3-Dichlorobenzene	mg/kg	0.001	LQM	30		1	23	0.2	0.2			0.2	0.2									
	1,4-Dichlorobenzene	mg/kg	0.001	LQM	4400	224	1	23	0.2	0.2			0.2	0.2									
	1,1,2,2-Tetrachloroethane	mg/kg	0.001	LQM	270		1	23	0.001	0.001			0.001	0.001									
SVOCs	Phenol	mg/kg	0.2	LQM	440		0.2	21	0.2	0.2			0.2	0.2									
	2-Chlorophenol	mg/kg	0.1	LQM	3500		0.1	21	0.1	0.1			0.1	0.1									
	2,4-Dichlorophenol	mg/kg	0.3				0.3	22	0.3	0.3			0.3	0.3									
	2,4,6-Trichlorophenol	mg/kg	0.1				0.3	22	0.1	0.1			0.1	0.1									
	2,4,5-Trichlorophenol	mg/kg	0.2				0.2	22	0.2	0.2			0.2	0.2									
	Bis(2-Chloroethyl)Ether	mg/kg	0.2	N/A	No GAC		0.2	21	0.2	0.2			0.2	0.2									
	2-Methylphenol	mg/kg	0.3	EIC	160000	15000	0.3	23	0.3	0.3			0.3	0.3									
	4-Methylphenol	mg/kg	0.2				0.2	23	0.2	0.2			0.2	0.2									
	Bis(2-Chloroisopropyl)Ether	mg/kg	0.1	N/A	No GAC		0.2	23	0.1	0.1			0.1	0.1									
	Hexachloroethane	mg/kg	0.05	EIC	22	8.17	0.1	23	0.05	0.05			0.05	0.05									
	Nitrobenzene	mg/kg	0.3	N/A	No GAC		0.3	23	0.3	0.3			0.3	0.3									
	Isophorone	mg/kg	0.2	N/A	No GAC		0.3	23	0.2	0.2			0.2	0.2									
	2-Nitrophenol	mg/kg	0.3	N/A	No GAC		0.3	23	0.3	0.3			0.3	0.3									
	2,4-Dimethylphenol	mg/kg	0.3	EIC	16000	1380	0.3	23	0.3	0.3			0.3	0.3									
	Bis(2-Chloroethoxy)Methane	mg/kg	0.3	N/A	No GAC		0.3	23	0.3	0.3			0.3	0.3									
	4-Chloroaniline	mg/kg	0.1	N/A	No GAC		0.3	23	0.1	0.1			0.1	0.1									
	4-Chloro-3-Methylphenol	mg/kg	0.1	N/A	No GAC		0.1	23	0.1	0.1			0.1	0.1									
	2-Methylnaphthalene	mg/kg	0.1	N/A	No GAC		120	23	3.7	0.1			0.1	0.1									
	2-Chloronaphthalene	mg/kg	0.1	EIC	390	114	0.1	23	0.1	0.1			0.1	0.1									
	Dimethylphthalate	mg/kg	0.1	N/A	No GAC		0.1	23	0.1	0.1			0.1	0.1									
	2,6-Dinitrotoluene	mg/kg	0.1	N/A	No GAC		0.2	23	0.1	0.1			0.1	0.1									
	Dibenzofuran	mg/kg	0.2	N/A	No GAC		240	23	0.2	0.2			0.2	0.2									
	4-Chlorophenyl phenyl ether	mg/kg	0.3	N/A	No GAC		0.3	23	0.3	0.3			0.3	0.3									
	2,4-Dinitrotoluene	mg/kg	0.2	N/A	No GAC		0.2	23	0.2	0.2			0.2	0.2									
	Diethyl Phthalate	mg/kg	0.2	EIC	150000	13.7	0.2	23	0.2	0.2			0.2	0.2									
	4-Nitroaniline	mg/kg	0.2	N/A	No GAC		0.2	23	0.2	0.2			0.2	0.2									
	Azobenzene	mg/kg	0.3	N/A	No GAC		3.1	23	0.3	0.3			0.3	0.3									
	Bromophenyl phenyl Ether	mg/kg	0.2	N/A	No GAC		0.2	23	0.2	0.2			0.2	0.2									
	Hexachlorobenzene	mg/kg	0.3	LQM	110	0.2	0.3	23	0.3	0.3			0.3	0.3									
	Carbazole	mg/kg	0.3	N/A	No GAC		73	23	0.3	0.3			0.3	0.3									
	Dibutyl Phthalate	mg/kg	0.2	EIC	15000	4.65	0.3	23	0.2	0.2			0.2	0.2									
	Butyl benzyl Phthalate	mg/kg	0.3	EIC	940000	26.3	0.3	23	0.3	0.3			0.3	0.3									
Organic	Total Phenols	mg/kg	1	N/A	No Gac		1	2															
	Total PCBs	mg/kg	0.012	N/A	No Gac		0.012	3															
	PCB Congener 077	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 081	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 105	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 114	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 123	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 118	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 126	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 169	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 156	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 157	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 167	mg/kg	0.001	N/A	No Gac		0.001	3															
	PCB Congener 189	mg/kg	0.001	N/A	No Gac		0.001	3															

				Commercial 1% SOM											
							Lab Sample Number	1137715	1137716	1137717	1137718	1137719	1137720	1137721	1137722
							Sample Reference	BH105 (B10	BH106 (B9)	BH109 (D3)	BH110	BH110	TP124	TP127	TP122
							Sample Number	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Supplied
	KEY:						Depth (m)	9.00	7.00	8.80-8.90	7.00	10.00	None Suppl	None Suppl	None Supplied
	Exceedances of GACs highlighted in red. Potential risk to human health identified.						Date Sampled	14/01/2019	16/01/2019	15/01/2019	11/01/2019	11/01/2019	16/01/2019	16/01/2019	16/01/2019
							Time Taken	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Suppl	None Supplied
	Determinand	Units	LOD	GAC Source	GAC	Solubility	Max Value	No. of Samples							
ACMs	Asbestos in Soil	N/A		DS-GAC	Detected		Asbestos Detected	75							
Inorganic	Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	N/A	No GAC		870	71	0.13	0.01	0.32	0.23	0.11	0.075	0.027	0.31
	Total Cyanide	mg/kg	1	DS-GAC	60		1	6								
	Free Cyanide	mg/kg	1	DS-GAC	60		1	6								
Heavy Metals	Arsenic (aqua regia extractable)	mg/kg	1	LQM	640		72	61								
	Cadmium (aqua regia extractable)	mg/kg	0.2	LQM	190		27	61								
	Chromium (aqua regia extractable)	mg/kg	1	LQMH	8600		210	61								
	Copper (aqua regia extractable)	mg/kg	1	LQM	68000		4300	61								
	Mercury (aqua regia extractable)	mg/kg	0.3	LQM	1100		1.5	61								
	Nickel (aqua regia extractable)	mg/kg	1	LQM	980		130	61								
	Lead (aqua regia extractable)	mg/kg	1	C4SL	2300		4100	61								
	Zinc (aqua regia extractable)	mg/kg	1	LQM	730000		9100	61								
	Chromium (Hexavalent)	mg/kg	1.2	LQM	33		1.2	61								
TPHCWG	TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	LQM	3200	304	0.001	73								
	TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	LQM	7800	144	0.001	73								
	TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	LQM	2000	78	170	73								
	TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	LQM	9700	48	160	73								
	TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	LQM	59000	24	980	73								
	TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	LQM	1600000	8.48	2700	73								
	TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8				11000	73								
	TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	LQM	26000	1220	0.001	73								
	TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	LQM	56000	869	0.007	73								
	TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	LQM	3500	613	8	73								
	TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	LQM	16000	364	760	73								
	TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	LQM	36000		2500	73								
	TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	LQM	28000		3100	73								
	TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	LQM	28000		6700	73								
	Total Petroleum Hydrocarbons	mg/kg		DS-GAC	5000		22522.006	73								
PAHs USEPA 16	Naphthalene	mg/kg	0.05	LQM	190	76.4	520	73								
	Acenaphthylene	mg/kg	0.05	LQM	83000	86.1	15	73								
	Acenaphthene	mg/kg	0.05	LQM	84000	57	260	73								
	Fluorene	mg/kg	0.05	LQM	63000	30.9	250	73								
	Phenanthrene	mg/kg	0.05	LQM	22000	36	740	73								
	Anthracene	mg/kg	0.05	LQM	520000	1.17	130	73								
	Fluoranthene	mg/kg	0.05	LQM	23000		220	73								
	Pyrene	mg/kg	0.05	LQM	54000		130	73								
	Benzo(a)anthracene	mg/kg	0.05	LQM	170		46	73								
	Chrysene	mg/kg	0.05	LQM	350		36	73								
	Benzo(b)fluoranthene	mg/kg	0.05	LQM	44		43	73								
	Benzo(k)fluoranthene	mg/kg	0.05	LQM	1200		16	73								
	Benzo(a)pyrene	mg/kg	0.05	LQM	35		38	73								
	Indeno(1,2,3-cd)Pyrene	mg/kg	0.05	LQM	500		21	73								
	Dibenz(a,h)Anthracene	mg/kg	0.05	LQM	3.5		6.4	73								
	Benzo(ghi)perylene	mg/kg	0.05	LQM	3900		24	73								
VOCs	Chloromethane	mg/kg	0.001	EIC	1		1	23								
	Vinyl Chloride	mg/kg	0.001	LQM	0.059		1	23								
	Bromomethane	mg/kg	0.001	N/A	No GAC		1	23								
	Chloroethane	mg/kg	0.001	EIC	960		1	23								
	Trichlorofluoromethane	mg/kg	0.001	N/A	No GAC		1	23								
	1,1-Dichloroethene	mg/kg	0.001	EIC	26		1	23								
	Trans-1,2-Dichloroethene	mg/kg	0.001	EIC	22		1	23								
	1,1-Dichloroethane	mg/kg	0.001	EIC	280		1	23								
	cis-1,2-Dichloroethene	mg/kg	0.001	EIC	14		1	23								
	Trichloromethane	mg/kg	0.001	LQM	99		1	23								
	1,1,1-Trichloroethane	mg/kg	0.001	LQM	660		1	23								
	Tetrachloromethane	mg/kg	0.001	LQM	2.9		1	23								
	1,1-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23								
	Benzene	mg/kg	0.001	C4SL	27		1	73								
	1,2-Dichloroethane	mg/kg	0.001	LQM	0.67		1	23								
	Trichloroethene	mg/kg	0.001	LQM	1.2		1	23								
	1,2-Dichloropropane	mg/kg	0.001	EIC	3.3		1	23								
	Dibromomethane	mg/kg	0.001	N/A	No GAC		1	23								
	Bromodichloromethane	mg/kg	0.001	EIC	2.1		1	23								
	cis-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23								
	Toluene	mg/kg	0.001	LQM	56000	869	1	73								
	Trans-1,3-Dichloropropene	mg/kg	0.001	N/A	No GAC		1	23								
	1,1,2-Trichloroethane	mg/kg	0.001	EIC	94		1	23								
	Tetrachloroethene	mg/kg	0.001	LQM	19		1	23								
	1,3-Dichloropropane	mg/kg	0.001	N/A	No GAC		1	23								
	Dibromochloromethane	mg/kg	0.001	N/A	No GAC		1	23								
	1,2-Dibromoethane	mg/kg	0.001	N/A	No GAC		1	23								
	Chlorobenzene	mg/kg	0.001	LQM	56		1	23								
	1,1,1,2-Tetrachloroethane	mg/kg	0.001	LQM	110		1	23								
	Ethylbenzene	mg/kg	0.001	LQM	5700	518	1	73								
	p & m-Xylene	mg/kg	0.001	LQM	5900	576	1	73								
	o-Xylene	mg/kg	0.001	LQM	6600	478	1	73								
	Styrene	mg/kg	0.001	EIC	3300	626	1	23								
	Tribromomethane	mg/kg	0.001	EIC	760		1	23								
	Isopropylbenzene	mg/kg	0.001	EIC	1400	390	1	23								
	Bromobenzene	mg/kg	0.001	EIC	97		1	23								
	N-Propylbenzene	mg/kg	0.001	EIC	4100	402	1.8	23								
	2-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23								
	1,3,5-Trimethylbenzene	mg/kg	0.001	N/A	No GAC		1	23								
	4-Chlorotoluene	mg/kg	0.001	N/A	No GAC		1	23								
	Tert-Butylbenzene	mg/kg	0.001	N/A	No GAC		1	23								
	1,2,4-Trimethylbenzene	mg/kg	0.001	EIC	42		7.6	23								
	Sec-Butylbenzene	mg/kg	0.001	N/A	No GAC		2.8	23								
	p-Isopropyltoluene	mg/kg	0.001	N/A	No GAC		1	23								
	Butylbenzene	mg/kg	0.001	N/A	No GAC		3.7	23								
	1,2-Dichlorobenzene	mg/kg	0.001	LQM	2000	571	1	23								
	1,2-Dibromo-3-Chloropropane	mg/kg	0.001	N/A	No GAC		1	23								
	1,2,4-Trichlorobenzene	mg/kg	0.001	LQM	220		1	23								
	Hexachlorobutadiene	mg/kg	0.001	LQM	31		1	23								
	1,2,3-Trichlorobenzene	mg/kg	0.001	LQM	102		1	23								
	MTBE (Methyl Tertiary Butyl Ether)	mg/kg	0.001	EIC	7900		1	73								
	1,3-Dichlorobenzene	mg/kg	0.001	LQM	30		1	23								
	1,4-Dichlorobenzene	mg/kg	0.001	LQM	4400	224	1	23								
	1,1,2,2-Tetrachloroethane	mg/kg	0.001	LQM	270		1	23								
SVOCs	Phenol	mg/kg	0.2	LQM	440		0.2	21								
	2-Chlorophenol	mg/kg	0.1	LQM	3500		0.1	21								
	2,4-Dichlorophenol	mg/kg	0.3				0.3	22								
	2,4,6-Trichlorophenol	mg/kg	0.1				0.3	22								
	2,4,5-Trichlorophenol	mg/kg	0.2				0.2	22								
	Bis(2-Chloroethyl)Ether	mg/kg	0.2	N/A	No GAC		0.2	21								
	2-Methylphenol	mg/kg	0.3	EIC	160000	15000	0.3	23								
	4-Methylphenol	mg/kg	0.2				0.2	23								
	Bis(2-Chloroisopropyl)Ether	mg/kg	0.1	N/A	No GAC		0.2	23								
	Hexachloroethane	mg/kg	0.05	EIC	22	8.17	0.1	23								
	Nitrobenzene	mg/kg	0.3	N/A	No GAC		0.3	23								
	Isophorone	mg/kg	0.2	N/A	No GAC		0.3	23								
	2-Nitrophenol	mg/kg	0.3	N/A	No GAC		0.3	23								
	2,4-Dimethylphenol	mg/kg	0.3	EIC	16000	1380	0.3	23								
	Bis(2-Chloroethoxy)Methane	mg/kg	0.3	N/A	No GAC		0.3	23								
	4-Chloroaniline	mg/kg	0.1	N/A	No GAC		0.3	23								
	4-Chloro-3-Methylphenol	mg/kg	0.1	N/A	No GAC		0.1	23								
	2-Methylnaphthalene	mg/kg	0.1	N/A	No GAC		120	23								
	2-Chloronaphthalene	mg/kg	0.1	EIC	390	114	0.1	23								
	Dimethylphthalate	mg/kg	0.1	N/A	No GAC		0.1	23								
	2,6-Dinitrotoluene	mg/kg	0.1	N/A	No GAC		0.2	23								
	Dibenzofuran	mg/kg	0.2	N/A	No GAC		240	23								
	4-Chlorophenyl phenyl ether	mg/kg	0.3	N/A	No GAC		0.3	23								
	2,4-Dinitrotoluene	mg/kg	0.2	N/A	No GAC		0.2	23								
	Diethyl Phthalate	mg/kg	0.2	EIC	150000	13.7	0.2	23								
	4-Nitroaniline	mg/kg	0.2	N/A	No GAC		0.2	23								
	Azobenzene	mg/kg	0.3	N/A	No GAC		3.1	23								
	Bromophenyl phenyl Ether	mg/kg	0.2	N/A	No GAC		0.2	23								
	Hexachlorobenzene	mg/kg	0.3	LQM	110	0.2	0.3	23								
	Carbazole	mg/kg	0.3	N/A	No GAC		73	23								
	Dibutyl Phthalate	mg/kg	0.2	EIC	15000	4.65	0.3	23								
	Butyl benzyl Phthalate	mg/kg	0.3	EIC	940000	26.3	0.3	23								
Organic	Total Phenols	mg/kg	1	N/A	No Gac		1	2								
	Total PCBs	mg/kg	0.012	N/A	No Gac		0.012	3								
	PCB Congener 077	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 081	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 105	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 114	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 123	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 118	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 126	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 169	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 156	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 157	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 167	mg/kg	0.001	N/A	No Gac		0.001	3								
	PCB Congener 189	mg/kg	0.001	N/A	No Gac		0.001	3								

Appendix I - Summary of Groundwater Screening Sheet

						Lab Sample Numbe	1143870	1143871	1143872	1143873	1143874	1143875	1143876	1143877	1143878
						Sample Reference	BH104	BH106	BH107	BH110	BH111	BH15	DS101	DS102a	DS104
						Date Sampled	28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019	28/01/2019
						Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Determinand	Units	LOD	dotped GA	Source	Max Value	No. of Samples									
pH			6-9	EQS	Within Range	22	7.1	7.5	7.2	7.3	7.2	7.3	7.4	7.2	7.4
Sulphate as SO4	µg/l	45	400000	EQS	114000	22	20800	27200	44600	19900	2130	14900	18700	32900	17000
Total Cyanide	µg/l	10	1	EQS	10	17	10	10	10	10	10	10	10	10	10
Free Cyanide	µg/l	10	1	EQS	10	17	10	10	10	10	10	10	10	10	10
Arsenic (dissolved)	µg/l	0.15	50	EQS	3.07	22	0.15	0.15	0.35	0.62	1.53	0.64	0.23	0.15	0.45
Cadmium (dissolved)	µg/l	0.02	0.08	EQS	0.29	22	0.07	0.02	0.05	0.29	0.02	0.02	0.02	0.12	0.07
Chromium (dissolved)	µg/l	0.2	4.7	EQS	8.8	22	0.2	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2
Copper (dissolved)	µg/l	0.5	1	EQS	8.6	22	0.7	1	0.9	0.8	0.5	2	0.8	2.6	2.7
Lead (dissolved)	µg/l	0.2	7.2	EQS	1.9	22	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Mercury (dissolved)	µg/l	0.05	0.05	EQS	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Nickel (dissolved)	µg/l	0.5	20	EQS	20	22	5.1	1.2	3.6	20	1.8	0.9	3.1	2.8	6.8
Zinc (dissolved)	µg/l	0.5	8	EQS	19	22	1.4	1.6	5	4	12	4.7	2.2	2.8	1.9
Chromium (Hexavalent) (Dissolved)	µg/l	5	3.4	EQS	5	22	5	5	5	5	5	5	5	5	5
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	15000	WHO	1	22	1	1	1	1	1	1	1	1	1
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	15000	WHO	1	22	1	1	1	1	1	1	1	1	1
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	300	WHO	2000	22	1	1	1	1	770	1	1	1	1
Aliphatic >C10 - C12	µg/l	10	300	WHO	14000	22	10	10	10	10	14000	10	10	10	10
Aliphatic >C12 - C16	µg/l	10	300	WHO	55000	22	10	10	10	10	55000	10	21	10	10
Aliphatic >C16 - C21	µg/l	10	300	WHO	54000	22	10	10	10	10	50000	10	17	10	10
Aliphatic >C21 - C35	µg/l	10	300	WHO	34000	22	10	73	34	10	19000	10	55	10	10
TPH-CWG - Aromatic >C5 - C7	µg/l	1	1	DWQS	1	22	1	1	1	1	1	1	1	1	1
TPH-CWG - Aromatic >C7 - C8	µg/l	1	700	WHO	1	22	1	1	1	1	1	1	1	1	1
TPH-CWG - Aromatic >C8 - C10	µg/l	1	300	WHO	1100	22	1	1	1	1	120	1	1	1	1
Aromatic >C10 - C12	µg/l	10	90	WHO	33000	22	10	26	19	18	33000	10	150	10	10
Aromatic >C12 - C16	µg/l	10	90	WHO	110000	22	10	59	53	32	110000	10	390	10	10
Aromatic >C16 - C21	µg/l	10	90	WHO	92000	22	10	110	65	38	89000	10	180	10	10
Aromatic >C21 - C35	µg/l	10	90	WHO	52000	22	10	10	10	110	36000	10	420	10	10
Phenol	µg/l	0.5	7.7	EQS	0.5	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
2-Chlorophenol	µg/l	0.05	50	EQS	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Bis(2-chloroethyl)ether	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
1,3-Dichlorobenzene	µg/l	1	20	EQS	1	22	1	1	1	1	1	1	1	1	1
1,4-Dichlorobenzene	µg/l	1	20	EQS	1	22	1	1	1	1	1	1	1	1	1
1,2-Dichlorobenzene	µg/l	1	20	EQS	1	22	1	1	1	1	1	1	1	1	1
2-Methylphenol	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Bis(2-chloroisopropyl)ether	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Hexachloroethane	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
4-Methylphenol	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Nitrobenzene	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Isophorone	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
2-Nitrophenol	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
2,4-dimethylphenol	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Bis(2-chloroethoxy)methane	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

2,4-Dichlorophenol	µg/l	0.05	20	EQS	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
1,2,4-Trichlorobenzene	µg/l	1	0.4	EQS	1	22	1	1	1	1	1	1	1	1	1
Naphthalene	µg/l	0.01	4.24	EQS	22.5	22	0.01	0.01	0.01	0.01	22	0.01	0.01	0.01	0.01
4-Chloroaniline	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Hexachlorobutadiene	µg/l	1	0.1	EQS	1	22	1	1	1	1	1	1	1	1	1
4-Chloro-3-methylphenol	µg/l	0.05	40	EQS	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
2-Methylnaphthalene	µg/l	0.05	No GAC	N/A	500	22	0.05	0.05	0.05	0.05	500	0.05	23	0.05	0.05
2,4,6-Trichlorophenol	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
2,4,5-Trichlorophenol	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
2-Chloronaphthalene	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Acenaphthylene	µg/l	0.01	No GAC	N/A	7.1	22	0.01	0.01	0.01	0.01	0.01	0.01	5.1	0.76	0.01
Dimethylphthalate	µg/l	0.05	800	EQS	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
2,6-Dinitrotoluene	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Acenaphthene	µg/l	0.01	No GAC	N/A	130	22	0.01	0.01	0.01	0.01	38.1	0.01	130	2.2	0.01
Dibenzofuran	µg/l	0.05	No GAC	N/A	95	22	0.05	0.05	0.05	0.05	0.05	0.05	95	1.7	0.05
4-Chlorophenyl phenyl ether	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
2,4-Dinitrotoluene	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Fluorene	µg/l	0.01	No GAC	N/A	110	22	0.01	0.01	0.01	0.01	90	0.01	110	2	0.01
Diethyl Phthalate	µg/l	0.05	200	EQS	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
4-Nitroaniline	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Azobenzene	µg/l	0.05	No GAC	N/A	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Hexachlorobenzene	µg/l	0.05	0.01	EQS	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Phenanthrene	µg/l	0.01	No GAC	N/A	170	22	0.01	0.01	0.01	0.01	170	0.01	74	2.04	0.01
Anthracene	µg/l	0.01	0.1	EQS	18.1	22	0.01	0.01	0.01	0.01	8.81	0.01	18.1	0.46	0.01
Carbazole	µg/l	0.05	No GAC	N/A	45	22	0.05	0.05	0.05	0.05	0.05	0.05	45	0.05	0.05
Dibutyl phthalate	µg/l	0.05	8	EQS	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Fluoranthene	µg/l	0.01	0.1	EQS	17	22	0.01	0.01	0.01	0.01	7.11	0.01	17	0.55	0.01
Pyrene	µg/l	0.01	No GAC	N/A	14	22	0.01	0.01	0.01	0.01	14	0.01	9.91	0.38	0.01
Butyl benzyl phthalate	µg/l	0.05	20	EQS	0.05	22	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Benzo(a)anthracene	µg/l	0.01	No GAC	N/A	0.01	22	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Chrysene	µg/l	0.01	No GAC	N/A	0.01	22	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Benzo(a)pyrene	µg/l	0.01	0.05	EQS	0.01	22	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Benzo(b)fluoranthene	µg/l	0.01	0.1	DWQS	0.01	22	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Benzo(k)fluoranthene	µg/l	0.01	0.1		0.01	22	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Indeno(1,2,3-cd)Pyrene	µg/l	0.01	0.1		0.01	22	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Benzo(ghi)perylene	µg/l	0.01	0.1		0.01	22	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Dibenz(a,h)anthracene	µg/l	0.01	No GAC	N/A	0.01	22	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
PCB Congener 118	µg/l	0.02	No GAC	N/A	0.02	11			0.02			0.02	0.02	0.02	0.02
PCB Congener 105	µg/l	0.02	No GAC	N/A	0.02	11			0.02			0.02	0.02	0.02	0.02
PCB Congener 114	µg/l	0.02	No GAC	N/A	0.02	11			0.02			0.02	0.02	0.02	0.02
PCB Congener 123	µg/l	0.02	No GAC	N/A	0.02	11			0.02			0.02	0.02	0.02	0.02
PCB Congener 126	µg/l	0.02	No GAC	N/A	0.02	11			0.02			0.02	0.02	0.02	0.02
PCB Congener 156	µg/l	0.02	No GAC	N/A	0.02	11			0.02			0.02	0.02	0.02	0.02
PCB Congener 157	µg/l	0.02	No GAC	N/A	0.02	11			0.02			0.02	0.02	0.02	0.02
PCB Congener 167	µg/l	0.02	No GAC	N/A	0.02	11			0.02			0.02	0.02	0.02	0.02
PCB Congener 169	µg/l	0.02	No GAC	N/A	0.02	11			0.02			0.02	0.02	0.02	0.02
PCB Congener 189	µg/l	0.02	No GAC	N/A	0.02	11			0.02			0.02	0.02	0.02	0.02
Total PCBs	µg/l	0.3	No GAC	N/A	0.3	11			0.3			0.3	0.3	0.3	0.3
Total EPA-16 PAHs	µg/l	0.16	No GAC	N/A	356	22	0.16	0.16	0.16	0.16	350	0.16	356	8.33	0.16
Chloromethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1

Vinyl chloride	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Bromomethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Chloroethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Trichlorofluoromethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
1,1-Dichloroethene	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
trans-1,2-Dichloroethene	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
1,1-Dichloroethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
cis-1,2-Dichloroethene	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Trichloromethane	µg/l	1	2.5	EQS	1	22	1	1	1	1	1	1	1	1	1
1,1,1-Trichloroethane	µg/l	1	100	EQS	1	22	1	1	1	1	1	1	1	1	1
Tetrachloromethane	µg/l	1	12	EQS	1	22	1	1	1	1	1	1	1	1	1
1,1-Dichloropropene	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Benzene	µg/l	1	10	EQS	1	22	1	1	1	1	1	1	1	1	1
1,2-Dichloroethane	µg/l	1	10	EQS	1	22	1	1	1	1	1	1	1	1	1
Trichloroethene	µg/l	1	10	EQS	1	22	1	1	1	1	1	1	1	1	1
1,2-Dichloropropane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Dibromomethane	µg/l	1	20	EQS	1	22	1	1	1	1	1	1	1	1	1
Bromodichloromethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
cis-1,3-Dichloropropene	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Toluene	µg/l	1	50	EQS	1	22	1	1	1	1	1	1	1	1	1
trans-1,3-Dichloropropene	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
1,1,2-Trichloroethane	µg/l	1	400	EQS	1	22	1	1	1	1	1	1	1	1	1
Tetrachloroethene	µg/l	1	10	EQS	1	22	1	1	1	1	1	1	1	1	1
1,3-Dichloropropane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Dibromochloromethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
1,2-Dibromoethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Chlorobenzene	µg/l	1	No GAC	N/A	37.5	22	1	1	1	1	37.5	1	1	1	1
1,1,1,2-Tetrachloroethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Ethylbenzene	µg/l	1	20	EQS	1	22	1	1	1	1	1	1	1	1	1
p & m-xylene	µg/l	1	30	EQS	1	22	1	1	1	1	1	1	1	1	1
o-Xylene	µg/l	1	30	EQS	1	22	1	1	1	1	1	1	1	1	1
Styrene	µg/l	1	50	EQS	1	22	1	1	1	1	1	1	1	1	1
Tribromomethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
Isopropylbenzene	µg/l	1	No GAC	N/A	28.1	22	1	1	1	1	28.1	1	1	1	1
Bromobenzene	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
n-Propylbenzene	µg/l	1	No GAC	N/A	94	22	1	1	1	1	57.7	1	1	1	1
2-Chlorotoluene	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
1,3,5-Trimethylbenzene	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
4-Chlorotoluene	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
tert-Butylbenzene	µg/l	1	No GAC	N/A	19.1	22	1	1	1	1	15.1	1	1	1	1
1,2,4-Trimethylbenzene	µg/l	1	No GAC	N/A	1010	22	1	1	1	1	37.5	1	1	1	1
sec-Butylbenzene	µg/l	1	No GAC	N/A	63.2	22	1	1	1	1	63.2	1	1	1	1
Butylbenzene	µg/l	1	No GAC	N/A	97.8	22	1	1	1	1	97.8	1	1	1	1
1,2-Dibromo-3-chloropropane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1
1,2,3-Trichlorobenzene	µg/l	1	0.4	EQS	1	22	1	1	1	1	1	1	1	1	1
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	30	Irish IGV	1	22	1	1	1	1	1	1	1	1	1
1,1,2,2-Tetrachloroethane	µg/l	1	No GAC	N/A	1	22	1	1	1	1	1	1	1	1	1

1143879	1143880	1143881	1143882	1143883	1143884	1158138	1158139	1158140	1158141	1127407	1127408	1127988
DS105	DS124b	BH105	BH109	DS146	DS149	DS123b	DS102b	DS144b	DS143b	BH101	BH102	BH103
28/01/2019	28/01/2019	28/01/2019	28/01/2019	29/01/2019	29/01/2019	18/02/2019	18/02/2019	18/02/2019	18/02/2019	Deviating	Deviating	Deviating
None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
7.2	7	7.2	8.4	7.3	7.1	7.1	7.4	6.9	7	7.3	7.2	8
19300	27300	6420	67600	114000	26900	5470	16200	12600	9840	19700	33100	24500
10	10	10	10	10	10	10	10					
10	10	10	10	10	10	10	10					
0.15	2.35	0.51	1.65	1.19	0.28	1.36	0.22	0.61	3.07	0.23	0.67	0.84
0.03	0.05	0.05	0.02	0.02	0.04	0.02	0.09	0.05	0.02	0.04	0.04	0.02
0.2	0.2	0.2	0.5	0.3	0.2	0.2	2.9	2.1	3.1	0.2	0.2	8.8
1.4	0.5	1.4	2.8	2.3	1	0.5	2.8	8.6	2.2	1.8	1.1	0.5
0.2	0.2	0.2	1.3	0.3	0.2	0.2	0.2	1.9	0.2	0.2	0.2	0.2
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
1.2	1.7	1.6	1.9	2.7	3.7	3	7.3	3.3	13	2.9	5.1	1.5
3.6	0.5	4	2.3	0.7	3.9	3.2	5.3	3.7	3	2.8	3.5	19
5	5	5	5	5	5	5	5	5	5	5	5	5
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	2000	1500	1	1	1
10	79	10	10	10	10	10	10	10000	11000	10	10	10
10	780	10	18	10	10	10	10	45000	22000	10	10	10
10	1200	10	14	10	10	10	10	54000	21000	10	10	10
10	2500	10	190	10	10	10	10	34000	12000	10	10	10
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1100	1	1	1	1
10	280	10	49	10	20	10	10	16000	12000	10	10	10
10	2800	10	89	10	37	10	10	78000	41000	10	10	10
10	5000	10	95	10	35	10	10	92000	38000	10	10	10
10	7600	10	470	10	130	10	10	52000	20000	10	10	10
0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.5	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
1	1	1	1	1	1	1	1	1	1	1	1	1
0.01	0.45	0.01	0.01	0.01	0.01	0.01	0.01	22.5	18.3	0.01	0.01	0.01
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
1	1	1	1	1	1	1	1	1	1	1	1	1
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	6.14	7.1	0.01	0.01	0.01
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.81	0.39	0.01	0.01	0.01	0.01	0.01	0.01	16.1	19.2	0.01	0.01	0.01
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.62	0.01	0.01	0.01	0.01	0.01	0.01	0.01	36	43	0.01	0.01	0.01
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.62	0.01	0.01	0.01	0.01	0.01	0.01	0.01	68.3	71	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	3.3	3.24	0.01	0.01	0.01
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.01	1.4	0.01	0.01	0.01	0.01	0.01	0.01	3.71	2.93	0.01	0.01	0.01
0.01	2.9	0.01	0.01	0.01	0.01	0.01	0.01	4.84	6.43	0.01	0.01	0.01
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	0.02	0.02				0.02	0.02	0.02	0.02			
	0.02	0.02				0.02	0.02	0.02	0.02			
	0.02	0.02				0.02	0.02	0.02	0.02			
	0.02	0.02				0.02	0.02	0.02	0.02			
	0.02	0.02				0.02	0.02	0.02	0.02			
	0.02	0.02				0.02	0.02	0.02	0.02			
	0.02	0.02				0.02	0.02	0.02	0.02			
	0.02	0.02				0.02	0.02	0.02	0.02			
	0.02	0.02				0.02	0.02	0.02	0.02			
	0.02	0.02				0.02	0.02	0.02	0.02			
	0.3	0.3				0.3	0.3	0.3	0.3			
2.05	5.13	0.16	0.16	0.16	0.16	0.16	0.16	161	171	0.16	0.16	0.16
1	1	1	1	1	1	1	1	1	1	1	1	1

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1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
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1	1	1	1	1	1	1	1	94	1	1	1	1
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1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	19.1	1	1	1
1	1	1	1	1	1	1	1	1010	1	1	1	1
1	1	1	1	1	1	1	1	1	56.3	1	1	1
1	1	1	1	1	1	1	1	1	64.8	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1

Envirotreat Solutiins Limited,
LCP House,
The Pensnett Estate,
Kingswinford,
West Midlands,
DY6 7NA

21st February 2022

ADI,
66 Melchett Road,
Kings Norton Business Centre,
Kings Norton,
Birmingham,
B30 3HX

Reference – Supplementary Site Investigation 3rd February 2022.

Dear John / Russell,

Please find below a summary of our site investigation works undertaken on 3rd February 2022.

Six number windowless borehole were advanced across the development area. The areas were chosen based on:-

- Data gaps in our understanding of the underlying soils for specific areas of the site
- Coincide with areas where there is understood to be a cut
- Coincide with area were there may be a requirement for a borrow pit
- Better testing data to facilitate offsite disposal

The location of the windowless boreholes is shown in Figure 1 below.

Figure 1 – Borehole locations.

Borehole were extended to prove the natural soils (clays).

No installations were required in any of the boreholes

Six (6 No.) samples (WS01 to WS06 inclusive) of the natural soils were sent to i2 Analytical for environmental assessment.

Two (2 No.) samples (WS05 and WS06) of the made ground soils were sent to i2 Analytical for environmental assessment.

There was insufficient sample from WS04 to obtain a representative sample for environmental testing.

The borehole logs below show the absence of made ground in WS01 to WS03 (inclusive) with the natural clay laying directly below the concrete hardstanding and associated sub-base.

Made ground was present ranging between 100 mm in WS04 and 500 mm in WS05.

The made ground was black ash / clinker type material.

The natural soils were anticipated, and environmental testing indicated the soils to be **non-hazardous**. Although WAC testing was not undertaken, it is anticipated that these soils would be **inert**. No asbestos was detected in any of the samples.

Figure 2 – Typical Natural Soils encountered.

Environmental testing of the made ground indicated the soils to be **non-hazardous**. Although WAC testing was not undertaken, it is anticipated that these soils would **not** meet the **inert** thresholds. No asbestos was detected in either of the samples.

Figure 3 – Typical made ground soils encountered.

Envirotreat Solutiins Limited,
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Table 1 – Summary of environmental assessment of the Natural Soils (Clay) (one of two).

Lab Sample Number		2164369	2164370	2164371
Sample Reference		WS01	WS02	WS03
Depth (m)		0.25-1.00	0.25-1.00	0.30-1.00
Date Sampled		03/02/2022	03/02/2022	03/02/2022
Time Taken		None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**			
Moisture Content	%	13	13	15
Asbestos in Soil	Type	Not-detected	Not-detected	Not-detected
Total PAH				
Speciated Total EPA-16 PAHs	mg/kg	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	5.0	4.1	5.9
Boron (water soluble)	mg/kg	< 0.2	< 0.2	0.2
Cadmium (aqua regia extractable)	mg/kg	< 0.2	< 0.2	< 0.2
Chromium (aqua regia extractable)	mg/kg	31	16	17
Copper (aqua regia extractable)	mg/kg	22	11	17
Lead (aqua regia extractable)	mg/kg	15	13	21
Mercury (aqua regia extractable)	mg/kg	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	30	12	14
Selenium (aqua regia extractable)	mg/kg	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	54	43	46
Petroleum Hydrocarbons				
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	< 10	< 10	< 10
TPH-CWG - Aliphatic & Aromatic (EC5 - EC35)	mg/kg	< 10	< 10	< 10

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West Midlands,
DY6 7NA

Table 2 – Summary of environmental assessment of the Natural Soils (Clay) (two of two).

Lab Sample Number		2164372	2164374	2164376
Sample Reference		WS04	WS05	WS06
Depth (m)		0.23-1.00	0.70-1.00	0.50-1.00
Date Sampled		03/02/2022	03/02/2022	03/02/2022
Time Taken		None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**			
Moisture Content	%	15	14	18
Asbestos in Soil	Type	Not-detected	Not-detected	Not-detected
Total PAH				
Speciated Total EPA-16 PAHs	mg/kg	< 0.80	< 0.80	< 0.80
Heavy Metals / Metalloids				
Arsenic (aqua regia extractable)	mg/kg	3.7	4.4	5.8
Boron (water soluble)	mg/kg	< 0.2	0.3	0.2
Cadmium (aqua regia extractable)	mg/kg	< 0.2	< 0.2	< 0.2
Chromium (aqua regia extractable)	mg/kg	23	24	24
Copper (aqua regia extractable)	mg/kg	18	16	16
Lead (aqua regia extractable)	mg/kg	19	12	16
Mercury (aqua regia extractable)	mg/kg	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	20	19	18
Selenium (aqua regia extractable)	mg/kg	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	40	49	52
Petroleum Hydrocarbons				
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	< 10	< 10	< 10
TPH-CWG - Aliphatic & Aromatic (EC5 - EC35)	mg/kg	< 10	< 10	< 10

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Table 3 – Summary of environmental assessment of the Made Ground Soils.

Lab Sample Number		2164373	2164375
Sample Reference		WS05	WS06
Depth (m)		0.15-0.65	0.15-0.50
Date Sampled		03/02/2022	03/02/2022
Time Taken		None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**		
Moisture Content	%	17	16
Asbestos in Soil	Type	Not-detected	Not-detected
Total PAH			
Speciated Total EPA-16 PAHs	mg/kg	10.1	< 0.80
Heavy Metals / Metalloids			
Arsenic (aqua regia extractable)	mg/kg	33	49
Boron (water soluble)	mg/kg	0.3	0.4
Cadmium (aqua regia extractable)	mg/kg	< 0.2	< 0.2
Chromium (aqua regia extractable)	mg/kg	35	40
Copper (aqua regia extractable)	mg/kg	380	730
Lead (aqua regia extractable)	mg/kg	260	94
Mercury (aqua regia extractable)	mg/kg	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	69	120
Selenium (aqua regia extractable)	mg/kg	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	170	110
Petroleum Hydrocarbons			
TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7	mg/kg	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	8.1	< 2.0
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	17	< 10
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	37	< 10
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	62	< 10
TPH-CWG - Aliphatic & Aromatic (EC5 - EC35)	mg/kg	62	< 10

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DY6 7NA

Conclusions.

Based on the three borehole installations undertaken, it would appear that the existing building slab of Plot 303 is directly overlaying the natural soils and no made ground was encountered.

Outside of the building footprint, made ground was encountered beneath the concrete hardstanding and subbase, ranging from 100 mm (WS04) to 500 mm (WS05).

No groundwater was encountered within any of the boreholes

The findings of the site investigation support the proposed Remediation Strategy, where there is a surplus of materials as part of the development, natural soils should primarily be removed in lieu of the made ground. The costs / logistics associated with the offsite disposal of the natural soils will be more favourable / sustainable. The made ground have been shown to be suitable for reuse onsite.

Indicative (based on one quote) costs for off site disposal ranged from circa **£21/tonne** for natural soils and circa **£36/tonne** for non-hazardous soils (with no asbestos detected).

Yours faithfully,

Simon Farr

Envirotreat Solutions Limited

Enc / Att

Certificates of Analysis.

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Borehole Logs

Borehole	WS01	
Date	03-02-2022	
Depth (mm bgl)	Strata description	
0 - 150	Concrete floor slab	
150 - 225	Type 1 sub-base	
225 – 1,000	Brown sandy CLAY	Env sample taken 0.25 – 1.00 m

Borehole	WS02	
Date	03-02-2022	
Depth (mm bgl)	Strata description	
0 - 150	Concrete floor slab	
150 - 225	Type 1 sub-base	
225 – 1,000	Brown sandy CLAY	Env sample taken 0.25 – 1.00 m

Borehole	WS03	
Date	03-02-2022	
Depth (mm bgl)	Strata description	
0 - 200	Concrete floor slab	
200 - 250	Type 1 sub-base	
250 – 1,000	Brown sandy CLAY	Env sample taken 0.30 – 1.00 m

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Borehole	WS04	
Date	03-02-2022	
Depth (mm bgl)	Strata description	
0 - 150	Concrete hardstanding	
150 - 250	Ash / clinker sub-base	No odour / no VOC
250 – 1,000	Brown sandy CLAY	Env sample taken 0.23 – 1.00 m

Borehole	WS05	
Date	03-02-2022	
Depth (mm bgl)	Strata description	
0 - 150	Concrete floor slab	
150 - 650	Ash / clinker sub-base	No odour / no VOC Env sample taken 0.15 – 0.65
650 – 1,000	Brown sandy CLAY	Env sample taken 0.70 – 1.00 m

Borehole	WS06	
Date	03-02-2022	
Depth (mm bgl)	Strata description	
0 - 150	Concrete floor slab	
150 - 350	Type 1 sub-base	No odour / no VOC Env sample taken 0.15 – 0.50
350– 1,000	Brown sandy CLAY	Env sample taken 0.50 – 1.00 m

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-

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Analytical Report Number : 22-38060

Project / Site name:	Eastleigh	**Samples received on:**	07/02/2022
Your job number:		**Samples instructed on/ Analysis started on:**	08/02/2022
Your order number:		**Analysis completed by:**	21/02/2022
Report Issue Number:	1	**Report issued on:**	21/02/2022
Samples Analysed:	8 soil samples		

[redacted]

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.

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 22-38060
Project / Site name: Eastleigh

Lab Sample Number				2164369	2164370	2164371	2164372	2164373
Sample Reference				WS01	WS02	WS03	WS04	WS05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.00-1.00	0.00-1.00	0.00-1.00	0.00-1.00	0.00-0.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
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	42
Moisture Content	%	0.01	NONE	13	13	15	15	17
Total mass of sample received	kg	0.001	NONE	0.50	0.50	0.50	0.50	0.50

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	JSW	JSW	JSW	JSW	EC

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	0.41
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	1.7
Pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	1.9
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	1.1
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	1.1
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	1.1
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.62
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	1.1
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	0.44
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	0.64

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80	< 0.80	10.1

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	5.0	4.1	5.9	3.7	33
Boron (water soluble)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	0.2	< 0.2	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	31	16	17	23	35
Copper (aqua regia extractable)	mg/kg	1	MCERTS	22	11	17	18	380
Lead (aqua regia extractable)	mg/kg	1	MCERTS	15	13	21	19	260
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	30	12	14	20	69
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	54	43	46	40	170

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Analytical Report Number: 22-38060
Project / Site name: Eastleigh

Lab Sample Number				2164369	2164370	2164371	2164372	2164373
Sample Reference				WS01	WS02	WS03	WS04	WS05
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.00-1.00	0.00-1.00	0.00-1.00	0.00-1.00	0.00-0.50
Date Sampled				Deviating	Deviating	Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Monoaromatics & Oxygenates								
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Petroleum Hydrocarbons								
TPH-CWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH_CU+HS_1D_AL}$	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0	< 2.0	8.1
TPH-CWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	17
TPH-CWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	37
TPH-CWG - Aromatic (EC5 - EC35) $_{EH_CU+HS_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10	< 10	62

U/S = Unsuitable Sample I/S = Insufficient Sample

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 22-38060
Project / Site name: Eastleigh

Lab Sample Number				2164374	2164375	2164376
Sample Reference				WS05	WS06	WS06
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.50-1.00	0.00-0.35	0.35-1.00
Date Sampled				Deviating	Deviating	Deviating
Time Taken				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
Moisture Content	%	0.01	NONE	14	16	18
Total mass of sample received	kg	0.001	NONE	0.50	0.50	0.50

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	Not-detected
Asbestos Analyst ID	N/A	N/A	N/A	EC	EC	EC

Speciated PAHs

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

Total PAH

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

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	4.4	49	5.8
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	0.4	0.2
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	24	40	24
Copper (aqua regia extractable)	mg/kg	1	MCERTS	16	730	16
Lead (aqua regia extractable)	mg/kg	1	MCERTS	12	94	16
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	19	120	18
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	49	110	52

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Analytical Report Number: 22-38060
Project / Site name: Eastleigh

Lab Sample Number				2164374	2164375	2164376
Sample Reference				WS05	WS06	WS06
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.50-1.00	0.00-0.35	0.35-1.00
Date Sampled				Deviating	Deviating	Deviating
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Monoaromatics & Oxygenates						
Benzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Toluene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
o-xylene	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 $_{HS_1D_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC6 - EC8 $_{HS_1D_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC8 - EC10 $_{HS_1D_AL}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aliphatic >EC10 - EC12 $_{EH_CU_1D_AL}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 $_{EH_CU_1D_AL}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 $_{EH_CU_1D_AL}$	mg/kg	8	MCERTS	< 8.0	< 8.0	< 8.0
TPH-CWG - Aliphatic (EC5 - EC35) $_{EH_CU+HS_1D_AL}$	mg/kg	10	MCERTS	< 10	< 10	< 10

TPH-CWG - Aromatic >EC5 - EC7 $_{HS_1D_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC7 - EC8 $_{HS_1D_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC8 - EC10 $_{HS_1D_AR}$	mg/kg	0.001	MCERTS	< 0.001	< 0.001	< 0.001
TPH-CWG - Aromatic >EC10 - EC12 $_{EH_CU_1D_AR}$	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 $_{EH_CU_1D_AR}$	mg/kg	2	MCERTS	< 2.0	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 $_{EH_CU_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) $_{EH_CU+HS_1D_AR}$	mg/kg	10	MCERTS	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number : 22-38060
Project / Site name: Eastleigh

* 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 *
2164369	WS01	None Supplied	0.00-1.00	Brown clay and sand.
2164370	WS02	None Supplied	0.00-1.00	Brown clay and sand.
2164371	WS03	None Supplied	0.00-1.00	Brown clay and sand.
2164372	WS04	None Supplied	0.00-1.00	Brown clay and sand.
2164373	WS05	None Supplied	0.00-0.50	Brown clay and sand with stones.
2164374	WS05	None Supplied	0.50-1.00	Brown clay and sand with vegetation.
2164375	WS06	None Supplied	0.00-0.35	Brown sandy gravel.**
2164376	WS06	None Supplied	0.35-1.00	Brown clay and loam.

**Non MCERTS Matrix.

Analytical Report Number : 22-38060
Project / Site name: Eastleigh

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
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	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.	In-house method based on USEPA 8270	L064-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.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.
For method numbers ending in 'PL' 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 +)

Analytical Report Number : 22-38060
Project / Site name: Eastleigh

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
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total				

Sample Deviation Report

Analytical Report Number : 22-38060
Project / Site name: Eastleigh

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis.Please note that the associated result(s) may be unreliable and should be interpreted with care.

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS01	None Supplied	S	2164369	ab	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS01	None Supplied	S	2164369	ab	TPHCWG (Soil)	L088/76-PL	b
WS02	None Supplied	S	2164370	ab	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS02	None Supplied	S	2164370	ab	TPHCWG (Soil)	L088/76-PL	b
WS03	None Supplied	S	2164371	ab	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS03	None Supplied	S	2164371	ab	TPHCWG (Soil)	L088/76-PL	b
WS04	None Supplied	S	2164372	ab	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS04	None Supplied	S	2164372	ab	TPHCWG (Soil)	L088/76-PL	b
WS05	None Supplied	S	2164373	ab	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS05	None Supplied	S	2164373	ab	TPHCWG (Soil)	L088/76-PL	b
WS05	None Supplied	S	2164374	ab	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS05	None Supplied	S	2164374	ab	TPHCWG (Soil)	L088/76-PL	b
WS06	None Supplied	S	2164375	ab	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS06	None Supplied	S	2164375	ab	TPHCWG (Soil)	L088/76-PL	b
WS06	None Supplied	S	2164376	ab	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS06	None Supplied	S	2164376	ab	TPHCWG (Soil)	L088/76-PL	b

Key: **a** - No sampling date **b** - Incorrect container
c - Holding time **d** - Headspace **e** - Temperature