PHASE 2 SITE INVESTIGATION

Proposed Mayfield Park, Manchester

for

Mayfield Partnership Ltd



December 2020

COMPLEX CHALLENGES ...
MADE SIMPLE

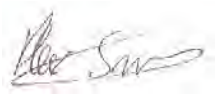
PHASE 2 SITE INVESTIGATION

At

Mayfield Park

On behalf of

Mayfield Partnership Ltd

DESCRIPTION	DATE	AUTHORS		APPROVED BY
Phase 2 Site Investigation Report	18-12-20	Reece McGuinness 	Elizabeth Stewart 	Alex Smiles 

REVISION	DESCRIPTION	DATE	AUTHOR	APPROVED BY
R1	Added missing log sheets Appendix B and updates to Groundwater RA	22/12/20	Liam Daley	Alex Smiles
R2	Update of additional SI data and updated controlled waters RA	08/03/21	Liam Daley	Alex Smiles
R3	Update to include additional chemical testing results from E3P – Text updated to highlight changes from previous revisions	11/03/21	Liam Daley	Alex Smiles

COMPLEX CHALLENGES ...
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1.0 Introduction

1.1 Background

1.1.1 RºC Consulting has been appointed to conduct a Phase 2 Site Investigation across the proposed Mayfield Park and adjacent land (the site). The purpose of this site investigation is to provide information on ground conditions and understand impacts of historical activities to inform on the design for redeveloping the site and support the planning application (124972/FO/2019).

1.1.2 The previous revision of this report has been submitted to regulators for review and approval; and this update is intended to address comments made by the Environment Agency (EA) and Manchester City Council (MCC) regarding supplementary investigations in the proposed Wild-scape Area / former Dirt Factory (Zone 2) and assessment of controlled waters (site wide). Refer to RoC Consulting drawing ES200A for layout details.

1.1.3 The planning application relates to a phased creation of circa 2.4ha of public park and the associated enabling works comprising phased demolition and site clearance, earthworks including reprofiling and construction of retaining walls for the land bounded by the Mayfield Depot to the north, Baring Street to the west, Hoyle Street to the east, and the Mancunian Way to the south. The extent of the planning application is shown on SEW drawings (ref: SEW-ZZ-00-SK-L-000111) provided within Appendix A.

1.1.4 Also, within the planning application are proposals for the erection of a 9-storey office with a basement, complete with associated ground floor landscaping and leisure-led uses. Alongside this, an 11-storey car park is proposed with associated highway and infrastructure works to provide access. These elements of the planning application are discussed within the RºC Consulting report ref: RoCPltd/LD/AS/4134-ROC-XX-XX-RP-ES-P2SI1.

1.1.5 The following assessment has been completed to support earth work design and satisfy planning requirements for the site's redevelopment. This follows on from a number of site investigations relating to the full development site, specifically:

1) Phase 1 Mayfield Regeneration Geoenvironmental and Geotechnical Desk Study Report, completed by Buro Happold dated 10th August 2017, revision 00 (ref: 035548)

2) Phase 2 Site Investigation Plot M, Mayfield, completed by RºC Consulting dated 9th December 2019 (ref: RoCPltd/LD/AS/p2 3986)

3) Phase 2 Site Investigation Plot O+N, Mayfield, completed by RºC Consulting dated October 2020 (ref: RoCPltd/LD/AS/4134-ROC-XX-XX-RP-ES-P2SI1)

4) Phase 2 Site Investigation Freight Island, Mayfield, completed by RºC Consulting dated February 2021 (ref:4153-ROC-XX-XX-RP-ES-PH2FSI)

1.1.6 It is recommended reference be made to the abovementioned report(s) when reviewing the geological model and current assessment.

1.1.7 The scope of the report and its assessment has been based around the site's redevelopment proposals as outlined in SEW's drawings submitted as part of the aforementioned planning application. It should be noted that any subsequent revision of the proposed redevelopment or site boundary away from the abovementioned drawing may result in the full or partial re-interpretation of this report and assessment.

1.2 Terms of Reference

1.2.1 The Phase 2 Site Investigation was carried out following receipt of an instruction to proceed by representatives of the Mayfield Partnership Ltd.

1.3 Objectives

1.3.1 The scope of works has been tailored to meet both planning and design requirements to assist with the site's redevelopment. These considerations include:

1) Review Phase 1 Desktop Study and other related information sources to establish likely geo-environmental and geotechnical considerations and constraints beneath the site.

2) Design a programme of site investigation works using both judgemental and general investigation methods to establish ground conditions beneath the site and target known or suspected sources of contamination.

3) Appoint ground investigation sub-contractors and supervise intrusive investigation fieldworks across the site in accordance with our design and specifications.

4) Obtain representative samples of soils and groundwater during site fieldworks to establish their composition and quality in support of subsequent contaminated land and engineering related assessments.

5) Undertake foundation exposures along the existing River Medlock walls and culvert structure to assist with structural engineering assessments.

6) Undertake a programme of site monitoring using standpipes installed in boreholes during fieldworks to assess the underlying hydrogeological regime.

7) Completion of a geo-environmental assessment utilising information provided by both the current and previous phases of site investigation works sufficient in its scope to assist with the discharge of contaminated land related planning conditions.

8) Consider results of ground investigation works in context of future site earthworks and end uses and feed information where appropriate into the wider design process.

2.0 Limitations of Study Assessment

2.0.1 The report has been produced by RºC Consulting for the client solely for the purposes of a review of information for the abovementioned site. It may not be used by any person for any other purpose other than that specified without the express written permission of RºC Consulting. Any liability arising out of its use by a third party for purposes not wholly connected with the above shall be the responsibility of that party who shall indemnify RºC Consulting against all claims, costs, damages and losses arising out of such use.

2.0.2 This report is written in the context of an agreed scope of work and should not be used in a different context. The report should be read in its entirety. Furthermore, new information, improved practices and changes in legislation may require re-interpretation of this report in whole or in part after its original issue. RºC Consulting reserves the right to alter their conclusions and recommendations in the light of further information that may become available.

2.0.3 Ground conditions can change rapidly, especially in areas of made ground, however, it is assumed that the ground conditions observed are typical and representative of the site as a whole. The ground conditions have been determined from a limited number of exploratory holes formed across the property, therefore, only a small percentage of the total area of the property has been investigated. Interpolation between exploratory holes has enabled a general picture of the subsurface conditions to be produced.

2.0.4 Conclusions drawn from the ground investigation should be read in this context. RºC Consulting cannot accept responsibility for any situations resulting from locally unforeseen ground conditions occurring between exploratory holes.

3.0 Background Information

3.0.1 The overview below outlines the most salient points / considerations, and it is recommended reference be made to the complete findings of previous site investigation reports for additional information / clarification.

3.0.2 For the purposes of this report the Proposed Mayfield Park site has been subdivided into five distinct zones which will be referred to throughout this report, namely:

- Zone 1 "Lawns" proposed as a soft landscaped area with grassland, trees, and footpaths
- Zone 2 "Wild-scape Area" proposed area of landscaped flood water storage
- Zone 3 "Multi use Game Area" proposed as children's play area with associated café building
- Zone 4 "South West Park Area" proposed as a landscaped buffer between proposed commercial office development at SRF Masterplan Plots O and M, and the River Medlock

3.0.3 In addition to the above, a fifth fieldwork Zone "Hoyle Street West" has been included within the site investigation and assessment. Whilst falling outside the proposed Park extent (and associated planning application) this portion of the wider SRF Mayfield Masterplan may be affected by associated earth and enabling works. The subdivision of the site has been indicated on RºC Consulting drawing ref ES200 provided within Appendix A; for further information on the proposed layout for each of the above zones please refer to SEW drawing SEW-ZZ-00-SK-L-000111 (provided within Appendix A).

3.1 Site Description

3.1.1 The proposed Park is located to the south east of Manchester City Centre, approximately 100m southeast of Piccadilly Train Station and immediately north of the Mancunian Way, centred at GR 385134, 397578. The site comprises an area of former industrial and warehousing with the River Medlock bisecting the site through its centre in a roughly east – west direction (including a small, culverted section to the western extent).

3.1.2 The former Mayfield railway station forms the northern boundary of the site, with Baring Street and Hoyle Street forming west and east boundaries, respectively. Currently the site is predominantly hardstanding, with all previous buildings being demolished; with exception to a single warehouse unit in the central area of site (The Dirt Factory). The north western corner is currently used as a social events space connected to the Mayfield Depot (Freight Island).

3.1.3 A detailed description of current site operations and setting has been provided for each of the zones below.

<u>Zone 1 "Lawns": Park Lawns</u>

3.1.4 Fieldworks Zone 1 is situated on the northern bank of the River Medlock in the north western area of the wider SRF site. At the time of writing the majority of Zone 1 "Lawns" was occupied by a relic concrete slab relating to a recently demolished warehouse structure that occupied this portion of the site. To the north and east there is a gravel access ramp running into Zone 3 "Multi Use Game Area", and to the west comprises an area of asphalt car parking. The southern boundary is formed by the River Medlock channel and culvert with the northern boundary is formed by Freight Island and the Mayfield Depot event space.

3.1.5 Site levels across the Zone 1 portion of the site vary between 34.17mAOD in the south eastern corner adjacent the footbridge to 39.44mAOD with a rise in level noted along the site's northern boundary with the Depot and Freight Island event spaces circa 5m. The River Medlock walls are relatively ow in this area at around 34.50mAOD (~3m above riverbed level), increasing to the eastern and western boundary up to a maximum height circa 6m above river bed level.

Zone 2 "Wild-scape Area": Wild-scape Area

3.1.6 Zone 2 "Wild-scape Area" is situated on a meander in the River Medlock to the central and eastern portion of the wider Mayfield SRF site. This portion of the site is currently occupied by The Dirt Factory (an indoor cycling venue) to its central and west extent; and a concrete slab associated with a former brewery to the east. A significant change in level is noted between the Dirt Factory and former brewery site (>4m) which is currently formed from brick and concrete retaining structure of varying age and construction. Zone 2's northern and western boundaries are formed by the River Medlock with the eastern boundary formed by Hoyle Street. Land to the south comprises the "Zone 5" study area including a large waste soil mound.

3.1.7 Site levels across this portion of the site vary between 34.15 and 39.18mAOD with a significant alteration noted between the Dirt Factory and former brewery sites as noted above. The River Medlock walls are relatively low in this area, increasing to eastern boundary along the former brewery up to a maximum height circa 7m above riverbed level. A redundant basement structure was uncovered in this area during site investigation field works further details of which are provided within Appendix B.

Zone 3 "Multi Use Game Area": Multi Game Area (MUGA)

3.1.8 The Multi Game Area is situated in the north eastern corner of the site, an access road to Hoyle street is located in the north and northwest of the zone, centrally and to the west an area of soft landscaping with various stockpiles of material is present and the east of the zone is occupied by a former vehicle maintenance yard elevated 1-2m above the soft landscaped zone with the use of large soil filled metal boxes as retaining walls. The northern boundary of Zone 3 "Multi Use Game Area" is formed by the Mayfield Depot, the eastern boundary is formed by Hoyle Street, the southern boundary is formed by the River Medlock and the western boundary is formed by the River Medlock and Zone 1 "Lawns".

3.1.9 Site levels across this portion of the site vary between 33.98 and 36.93mAOD with the River Medlock wall to the south increasing in height to the west up to a maximum of 5-5.50m above riverbed level.

Zone 4 "South West Park Area": South West Park Area

3.1.10 The South West Park Area forms a buffer zone between the River Medlock to the north and proposed commercial office Plots O and M. At the time of writing, this portion of the site was occupied by an area of asphalt car parking in the west, centrally there is a concrete slab associated with an exposed basement structure around 3-4m below the level of the asphalt carpark.

3.1.11 The northern boundary of Zone 4 "South West Park Area" is formed by the River Medlock channel and culvert and Zone 2 "Wild-scape Area", to the east the zone is bordered by Zone 2 "Wild-scape Area" and a ramped access road, the southern boundary is formed by a basement structure on top of which the site offices are located, the eastern boundary is formed by Plots O and N and Baring Street.

3.1.12 Site levels across this portion of the site vary between 33.20 centrally and 35.20mAOD to the west with the River Medlock wall to the north at a relatively low height of around 2.5m above river bed level increasing to the east (3.5-4m) and significantly increasing to the west (5.2m).

Zone 5 "Hoyle Street West": Hoyle Street West Area

3.1.13 Hoyle Street West is located in the south eastern corner of the site and comprises an asphalt surfaced area of car parking and access road to the south of the Dirt Factory in Zone 2 at an elevation of around 37-38mAOD, a small, vegetated area adjacent the site boundary with Bond Street and a yard area known as "Delaney's Yard". Delaney's Yard is currently occupied by a large stockpile mound the lower elevations of which are around 39.41mAOD rising to the south to a maximum elevation of ~42.20mAOD. The boundaries to Hoyle Street West are formed by Hoyle street to the west, Zone 2 to the north in the Dirt Factory and relic slab of the Britannia Brewery, Plot M and Bond Street to the west and the A635 to the south.

3.2 Geological Characteristics

3.2.1 Review of publicly available BGS geological map records indicate the site is underlain by the following:

Drift Geology: Alluvium / Glacial Till

Solid Geology: Chester Pebble Beds Formation (Sherwood Sandstone Group)

3.2.2 The Buro Happold report indicated that the site is not located in an area which may be affected by historic Coal Mining or Brine Extraction processes.

3.3 Site History and Environmental Characteristics

Site History

3.3.1 With reference to Buro Happold's report and obtained historical records, RoC Consulting drawing ES101 (Appendix A) illustrates the key historical 'phases' of the site; an excerpt is included overleaf with commentary on key historical features within each zone. It is noted a key change occurred post WW2, following the widespread damage caused from aerial bombing (ES103; Appendix A). A large scale copy historical map / topographical

3.3.2 The earliest mapping records for the site show a number of potentially contaminative sources these have been broken down by zone below.

3.3.3 Zone 1 "Lawns": Earliest mapping dated 1891 indicates the zone to be occupied by the Mayfield dye and print works across the entire zone with associated filter pools, tanks and chimneys. Several reservoirs are located to the north of the zone associated with the dye and print works.

3.3.4 By 1948 the Chapelfield rubber works previously only to the south of the river has expanded into Zone 1 "Lawns", records from the 1970's show the works renamed as Chapelfield works. Historic mapping dated 1922 indicates Mayfield station immediately to the north and below ground fuel storage to the northwest below what is currently Freight Island.

3.3.5 Zone 2 “Wild-scape Area”: Earliest mapping dated 1891 indicates the zone to be occupied by the Chapelfield India rubber works and the Britannia Brewery (indicated as disused on plans dated 1922 and appearing to be demolished on records dated 1948).

3.3.6 Zone 3 “Multi Use Game Area”: Earliest mapping dated 1891 indicates the zone to be occupied by residential housing Records from 1948 and the 1970’s indicate the residential housing to have been demolished and a structure is present in the eastern area of the zone. Mayfield station is indicated to the north on mapping dated 1922-1948 but is not present on mapping from the 1970’s.

3.3.7 Zone 4 “South West Park Area”: Earliest mapping dated 1891 indicates the zone to be occupied by the Ardwick Tannery with the Mayfield baths adjacent the western extent. By 1922 the Ardwick Tannery has been converted to be part of the Chapelfield Works (India rubber). An ice factory is indicated to the west of the zone in 1922 and was still present in mapping from the 1970’s.

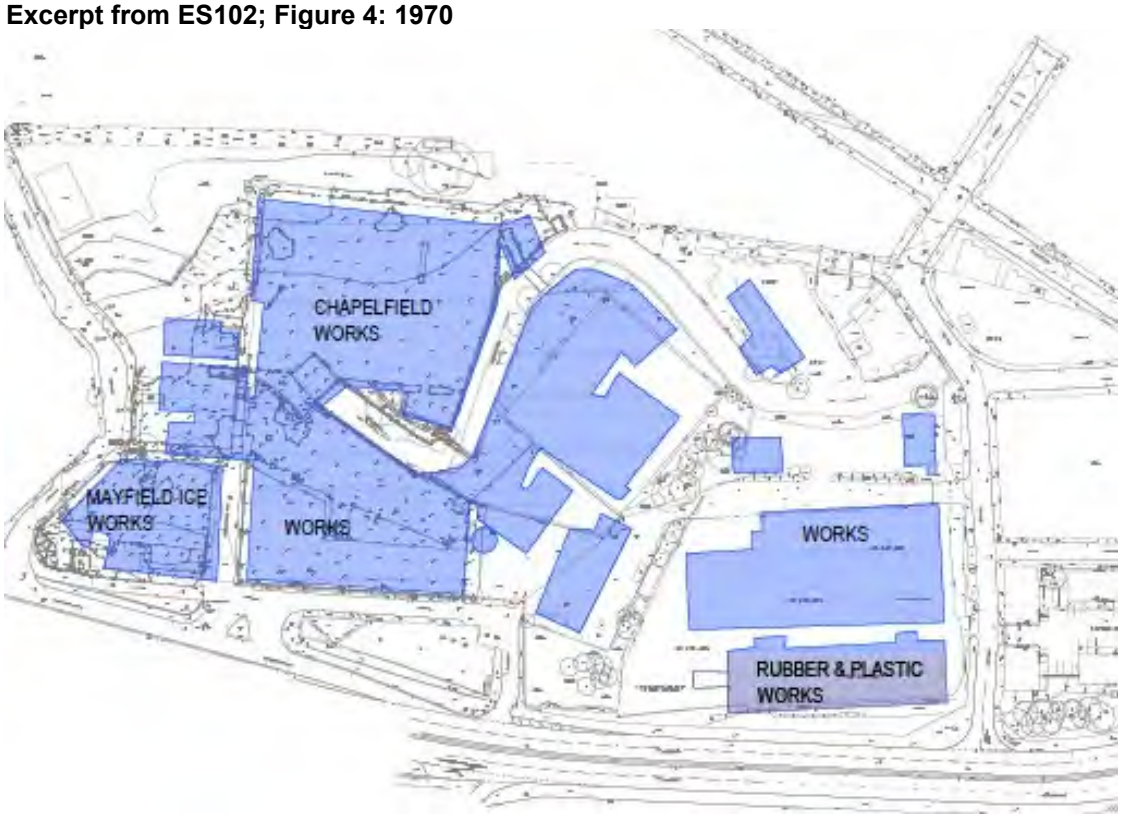
3.3.8 Zone 5 “Hoyle Street West”: Earliest mapping dated 1891 indicates the area to be occupied by residential housing. This remains the case until 1948 where records depict the residential housing to have been cleared and a residential public house present in the southern area of the zone, along with several other buildings the use of which are unknown. In the present-day car parking area of the zone a larger building is depicted believed to be associated with the Chapelfield India rubber works. Mapping dated 1970 shows the Delaney’s Yard area of Hoyle street West to be occupied by a rubber and plastic works and a works with several other smaller buildings in the general vicinity.

Excerpt from ES102; Figure 1: 1891



3.3.9 With reference to RºC Consulting drawing ES103, redevelopment of the site was undertaken during the 1950's to clear the bomb damage; with key feature being the expansion of Chapelfield Rubber works to the north side of the river. By the 1970's it was referred only as 'works', however the south eastern corner still produces rubber and plastic. To the northeast corner a vehicle maintenance yard is present.

Excerpt from ES102; Figure 4: 1970



Environmental Characteristics

3.3.10 The Phase 1 Desk Study completed by Buro Happold indicates the drift geology is classified as Secondary Aquifer (Undifferentiated) with the underlying Sandstone bedrock classed as a Principal Aquifer. The site is not said to be located within any Environment Agency Source Protection Zones or in close proximity to any sensitive water abstraction points (e.g., potable water supply well). There are no surface or groundwater abstraction points; or discharge consents, within 1000m of the site.

3.3.11 The nearest surface water feature intersects through the centre of the site, running east to west, in the form of the River Medlock. No measurable water quality or flow rates are available for this feature. There are no surface or groundwater abstraction points; or discharge consents, within 500m of the site. The river and the area south up to Bond Street (Zone 2 "Wild-scape Area"). is located in a flood risk Zone 2.

3.3.12 Public records of Manchester bombings were consulted for the site, showing records of high explosive impacts in the area of Piccadilly Station and extensive damage to structures and demolition across the site.

3.3.13 An Unexploded Ordnance (UXO) risk assessment was undertaken as part of the aforementioned Phase 1 Desk Study report and concluded that a 'Medium' Ordnance Threat Level applies across the site and wider development and that 'a UXO threat management strategy' is required to be in place prior to intrusive engineering works.

4.0 Site Investigation Design

General

4.0.1 The RoC intrusive investigation was designed and completed to investigate ground conditions and geo-environmental issues identified during the Phase 1 Desktop Study and complement previously completed site investigations completed on the site (Plot M, Plot O+N). In addition, investigations looked to obtain geotechnical and chemical information to facilitate design of the enabling earthworks package (covering site wide materials movement and management) and associated planning condition obligations.

4.0.2 Exploratory hole location plans for all four fieldwork zones have been provided within Appendix A (see drawings ES201 to 203). For the proposed Mayfield park area, the site investigation works comprised the formation of:

- x3 Cable Tool Boreholes, complete with in-situ testing to establish deep ground conditions beneath the site and bedrock depth
- x46 Window Sample "Mini" Boreholes to assess potential sources of contamination and establish the site wide ground model
- x12 Trial Pit excavations to support information obtained from Cable Tool and Window Sample boreholes, particularly in areas of relic building, basements, or other below ground obstructions / structures. (Pictures provided in Appendix B)
- x17 Window Sample Boreholes complete with in-situ testing to a maximum depth of 5mbgl along the existing River Medlock wall to establish composition and quality of backfill
- x11 machine excavated foundation exposure pits along the River Medlock wall to ascertain construction
- x14 Machine excavated Trial Pits to undertaken to assess existing building foundation construction and other below ground structures
- x3 Soakaway tests in accordance with the BRE method to support on going drainage network design.
- Installation of monitoring wells to investigate the gas and groundwater regime

4.0.3 In addition to the works completed within the Mayfield Park area, an additional area of investigation was completed focusing on the "Zone 5 "Hoyle Street West"" Hoyle Street West area of the SRF Mayfield Masterplan (including the former "Delaney's" waste processing yard. These works were completed to assess the composition of a relic waste soil stockpile mound that had been left on site as a result of former processing operations as well as target known or suspected sources of contamination. The scope of these investigations (exploratory hole locations for which are indicated on drawing ES204 within Appendix A) was as follows:

:

- X3 Cable Tool Boreholes, complete with in-situ testing, to a depth proving bedrock
- X8 Window Sample Boreholes, complete with in-situ testing, to a maximum depth of 5mbgl
- X13 Trial Pit excavations to prove the extent of Made Ground soils (Photos provided in Appendix B)
- Installation of monitoring wells to investigate the gas and groundwater regime

4.0.4 Exploratory hole placement was dictated by the findings of the Phase 1 Desktop Study, a review of all historical information and results of contamination testing from the earlier phases of the site investigation to zone in on areas where current / previous industrial activity may have impacted soil quality.

4.0.5 A UXO threat management strategy is required to be in place prior to intrusive engineering works. All locations were cleared of risk prior to investigating, via non-intrusive methods, by the UXO specialist Planit Surveys Ltd.

4.0.6 Samples of soil collected during the investigation works are to be analysed for a variety of determinants associated with the pattern of current / historic industrial activity across the site as outlined within the preliminary conceptual site model.

4.0.7 Table 4.0, 4.1 - 4.5 provided below provides location justification for each exploratory hole formed during the site investigation fieldworks. The purposes of this table are to illustrate the targeting of potential sources of contamination during the Phase 2 site investigation works.

Table 4.0: Zone 1 "Lawns" "Mayfield Lawns" Exploratory Hole Locations

BH/WS ID.	Reason for selection
BH301	Within footprint of former Mayfield Dye Works "Colour Room"
WS303	Investigate any potential contamination within Zone 1 "Lawns" and establish underlying ground conditions.
WS304	Within area of former Above Ground Fuel Storage Tank (TfGM operations)
WS306	Within former Mayfield Dye Works buildings (un-specified)
WS307	Within footprint of former Mayfield Dye works "Dye House"
WS308	Within former Mayfield Dye Works buildings (un-specified)
WS309	Within footprint of former Mayfield Dye works "Bleaching House"
WS310	Within footprint of former Mayfield Dye works "Bleaching House"
WS311A	Within footprint of former Mayfield Dye works "Dye House"
WS312	Within footprint of former Mayfield Dye Works "Bleach House"
WS313	Within former Mayfield Dye Works buildings (un-specified)
WS314	Within footprint of former Chimney structure
WS315	Within former Mayfield Dye Works buildings (un-specified)
WS317	Within footprint of former Mayfield Dye works "Smithy"
WS318	Within footprint of former Mayfield Dye works "Smithy"
WS332	Within area of former Above Ground Fuel Storage Tank (TfGM operations)
TP309	Within former Mayfield Dye Works buildings (un-specified)
TP310	Within footprint of former Mayfield Dye works "Dye House"
TP311	
TP312	Within footprint of former Mayfield Dye Works "Colour Room"
TP312A	
PP TP101	To establish former warehouse foundation construction, also located within area of Bleaching House
PP TP102	
PP TP103	
PP TP104	To establish former warehouse foundation construction.

Table 4.1: Zone 2 "Wild-scape Area" "Wild-scape Area" Exploratory Hole Locations

BH/WS ID.	Reason for selection
WS301	Investigate any potential contamination within the Dirt Factory and establish underlying ground conditions.
WS301A	
WS302	
WS320	Investigate any potential contamination adjacent the Dirt Factory and establish underlying ground conditions.
WS321	
WS322	
TP306	Investigate ground conditions in the area of the former Britannia Brewery.
TP308	
BH401	Establish depth to bedrock and underlying ground conditions.

Table 4.2: Zone 3 "Multi Use Game Area" "Multi Use Game Area" Exploratory Hole Locations

BH/WS ID.	Reason for selection
WS318	Investigate any potential contamination in the area of former residential housing and establish underlying ground conditions.
WS323	Investigate any potential contamination in the area of the former vehicle service yard and establish underlying ground conditions.
WS324	
WS325	
WS326	Investigate any potential contamination in the area of former residential housing and recent HGV servicing / repair operations.
WS327	
WS328	
WS329	
WS329A	
WS330	
WS331	
TP301	
TP302	
TP303	
TP304	
TP305	
BH302	Establish depth to bedrock and underlying ground conditions.

Table 4.3: Zone 4 "South West Park Area" Exploratory Hole Locations

BH/WS ID.	Reason for selection
BH303	Located within footprint of former Ardwick Dye Works
WS316	
PP TP109	
WS101	Included from previous Plot M investigation, located within footprint of former Tannery
WS106	
BH102	
BH109	Included from previous Plot O and M investigation, located in close proximity to existing River Medlock walls to establish nature of material used as backfill
BH110	
TP105	
REC BH04	

Table 4.4 Zone 5 "Hoyle Street West" "Hoyle Street West" Borehole Locations

BH/WS ID.	Reason for selection
TP401	Investigate ground conditions in Delanie's Yard & material stockpile.
TP402	
TP403	
TP404	
TP405	
TP406	
TP407	Investigate ground conditions in area of former residential housing
TP408	Investigate ground conditions in Delanie's Yard & material stockpile.
TP409	Investigate ground conditions in area of former Ardwick Dye Works
TP410	
WS401	Investigate potential extent of contamination arising from former Above Ground Fuel storage tank recently located in this area.
WS402	
WS403	
WS404	
WS405	
WS406	
WS407	
WS408	
BH401	Establish depth to bedrock and underlying ground conditions.
BH402	
BH403	
PP TP109	Establish ground conditions and existing retaining wall construction
PP TP110	
PP TP111	

Table 4.5 River Medlock Wall Investigation

BH/WS ID.	Reason for selection
PH301-317	To assess contamination present in the area of the river wall to assess suitability for a foundation exposure to be formed. Foundation exposures were subsequently formed at 11 locations where access would allow, namely PH302, PH302A, PH302B, PH303, PH304A, PH306, PH307, PH308, PH309, PH310, PH311, PH314, PH315 & PH316, in order to establish river wall footing and culvert construction.

4.0.8 Following a review of groundwater data and regulatory discussions, a total of x7 additional rotary boreholes (RO101 – RO107), were placed across all Zones to establish the sites hydrogeological regime and permit water sampling from the underlying Principal bedrock aquifer. These boreholes were taken to a maximum depth of 20mbgl with groundwater standpipes appropriately sealed into the Triassic Sandstone bedrock taken. Table 4.6, below, provides justification for borehole placement.

Table 4.6: Bedrock Aquifer Exploratory Hole Locations

BH ID.	Reason for selection
RO101	Target bedrock aquifer in western extent of Zone 1, Investigate any potential contamination migration within bedrock
RO102	Target bedrock aquifer below identified hotspot contamination in Zone 1
RO103	Target bedrock aquifer in southern extent / adjacent River Medlock, Investigate any potential contamination migration within bedrock
RO104	Investigate any potential contamination underlying area of identified contamination, Zone 3.
RO105	Target bedrock aquifer south of River in eastern portion of zone 2. Investigate any potential contamination migration within bedrock
RO106	Target bedrock aquifer in Zone 2 (central), Investigate any potential contamination migration within bedrock
RO107	Target bedrock aquifer in Zone 4 (adjacent Zone 2 boundary), Investigate any potential contamination migration within bedrock

4.0.9 An additional x4 Trial trenches were logged and sampled during the February 2021 archaeological excavation in the footprint of the former Dirt Factory to infill a data gap relating to site operations at the time of the original ground investigation. Observations and sampling from these supplementary works have been used to update and augment the previous site wide assessment.

4.0.10 Access to portions of the site was limited at the time of investigation due to existing business and construction operations. The spatial extent of these limitations is shown on exploratory hole location plans. The nature of these limitations was as follows

1) Off site to the northern and western extent; this area of site currently comprises the "Freight Island" event space with associated bar, tables, seating and staging. In addition, the "Engine Room" commercial office building is also located in this area. This data gap was subsequently infilled via a program of ground investigations in this area during January 2021 (RoC Consulting report ref: 4153-ROC-XX-XX-RP-ES-PH2FSI). The results from this investigation have been augmented into the current study when considering potential risks from off site receptors.

2) Toward the central and north eastern portion of Zone 2 "Wild-scape Area; access was limited by operations of the Dirt Factory indoor bicycle park and specifically the presence of active tracks and cycle routes. This data gap was subsequently removed following the closure and subsequent demolition of the Dirt Factory facility in January 2021, results from investigations in this area have been used to refine the overall assessment for the Zone 2 area.

3) Toward the southern and western portion of Zone 5 "Hoyle Street West"; access was partially impeded by the presence of a large inert waste material stockpile mound (up to 4-5m in height) in this area.

4) The River Medlock culvert; passing through the western portion of Zones 1 and 4 access was limited in this area to prevent damage to the culvert roof (although a number of foundation exposures were completed on this feature).

5) Access and constraints were also revealed relating to a number of River Medlock wall foundation exposures namely,

- PH301, PH317 & PH318, unable to complete due to height of river walls (circa 5-6m) and potential depth to foundation.

- PH304, PH305 and PH312 unable to complete due to ongoing archaeological investigations and associated excavations / surplus spoil movement.

- PH308, unable to complete due to below ground utility constraints in this area (electrical cable).

- PH313, unable to complete due size of excavator and proximity to existing Dirt Factory cycle tracks.

5.0 Site Investigation Fieldworks

5.0.1 The first phase of site investigation fieldworks was completed between the 1st and 15th September 2020 by drilling contractors JB Site Investigation and Earth Engineering. Boreholes were formed using a Dando 150 rig (Cable Tool Boreholes) or Competitor 150 (Window Sampler Boreholes). Trial Pits formed using 20t tracked excavator.

5.0.2 The second stage of the site investigation fieldworks were completed between the 9th of November and 4th of December 2020 by drilling contractors Earth Engineering and excavators were provided by PP O Connor for trial pitting and foundation exposures. Window sample boreholes were formed using a Competitor 150 and trial pits were formed using a 20t tracked excavator.

5.0.3 The additional rotary boreholes, targeting the bedrock aquifer, were completed between the 8th and 11th February 2021 by drilling contractors Geocore. Rotary Open-hole boring was completed utilising a Commachio 401 rotary drilling rig. Furthermore, an additional x4 Trial trenches were logged and sampled during the February 2021 within the footprint of the former Dirt Factory to infill data gaps.

5.0.4 Information with respect to buried services was obtained from relevant providers prior to commencement of the investigation works. However, as a precautionary measure all exploratory hole locations were scanned with a Cable Avoidance Tool prior to the commencement of works. In addition, hand dug service pits were completed to a depth of 1.2mbgl at all borehole locations deemed to fall in close proximity to the suspected location of possible buried service runs / infrastructure.

5.0.5 To ensure no new sources of contamination were introduced to underlying soils / bedrock during the formation of each borehole, steel casing was used throughout as well as vegetable oil as a lubrication medium for all drilling apparatus. Sampling equipment was also cleaned between sampling to reduce cross-contamination risks.

5.0.6 Soil and rock core samples were collected for subsequent chemical and geotechnical laboratory analysis. Soil samples used for geotechnical analysis were collected in 500g plastic sample tubs, U100 wax sealed sample tubes and polythene “bulk” bags. Samples collected for chemical testing were collected in 300g glass jars and 500g plastic sample tubs. Samples were obtained from both made ground and natural strata to assess the overall quality of underlying soils. In situ soil strength was investigated using Standard Penetration Tests (SPT) within superficial deposits as well as to confirm rock head had been reached.

5.0.7 Two rounds of ground and surface water sampling was completed following site investigation works. Prior to the collection of water samples, the resting water level in each of the standpipes was measured and x3 volumes of the total water volume was purged to obtain a representative sample of groundwater. Water samples were subject to chemical analysis to identify any contamination arising from site activities. Water samples were collected in 300ml glass jars and 100ml glass vials and obtained using plastic disposable bailers. Samples were delivered to the chemical testing facility for analysis on the same or next working day. Chemical testing results have been provided within Appendix C.

5.0.8 An additional round of groundwater sampling was completed following the additional bedrock aquifer investigation in February 2021, incorporating existing deeper borehole monitoring wells (BH102, BH108, BH110) as well as new wells RO101-107. All wells were developed (x3 well volume purged) on days prior to the low flow water quality analysis and testing was completed. Water quality parameters (pH, Dissolved Oxygen, Electrical Conductivity) were monitored during sampling, with samples taken utilising a peristaltic low-flow pump. Following the first set of results, targeted sampling of boreholes (with identified groundwater contamination) was undertaken, and resting water levels monitored. All monitoring data is provided with Appendix E.

5.0.9 The shallow soils encountered during construction of the boreholes were described and logged by a suitably qualified engineer in accordance with BS 5930: Code of Practice for Site Investigations (the log sheets for which have been provided within Appendix B).

5.0.10 A total of 30 ground gas and ground water monitoring wells were installed within cable tool, rotary and window sampler boreholes. A total of 4 initial ground gas and groundwater monitoring visits have been undertaken at the site under varying weather conditions, including atmospheric pressures below 1000mbar; with an additional 3 groundwater monitoring visits undertaken following the 2021 additional investigation. Installation details are provided within Table 5.1 overleaf, copies of ground water and gas monitoring records are provided within Appendix E and a well location plan (drawing ES205) has been provided within Appendix A.

Table 5.1: Monitoring Well Installations

BH ID	Monitoring well depth (m)	Response zone (mbgl)	Response zone (mAOD)	Response zone strata
BH301	5.00	3.0 - 5.0	31.50 – 29.50	Alluvium/Sandstone
BH302	2.50	1.0 - 2.5	33.47 – 31.97	Made Ground
BH401	5.00	1.0 – 5.0	38.04 – 34.04	Made Ground
BH402	3.00	1.0 – 3.0	36.65 – 34.65	Made Ground
BH403	3.00	1.0 – 3.0	40.71 – 38.71	Glacial Till
WS304	4.00	1.0 – 4.0	34.00 – 31.00	Made Ground
WS314	1.00	0.5 – 1.0	33.97 – 33.47	Made Ground
WS319	4.00	2.0 – 4.0	32.24 – 30.24	Alluvium
WS320	1.00	0.5 – 1.0	33.70 – 33.20	Made Ground
WS322	1.00	0.5 – 1.0	35.84 – 35.34	Alluvium
WS323	3.00	1.0 – 3.0	35.65 – 33.65	Made Ground
WS324	3.00	1.0 – 3.0	35.58 – 33.58	Made Ground
WS325	1.90	0.5 – 1.9	34.00 – 32.60	Made Ground
WS315	5.00	1.0 – 5.0	33.28 – 29.27	Alluvium
WS317	4.50	1.5 – 4.5	33.39 – 30.39	
WS326	5.00	1.5 – 5.0	33.60 – 30.10	Glacial Clay
WS327	4.00	2.0 – 4.0	32.82 – 30.82	
WS328	3.00	1.0 – 3.0	33.03 – 31.03	
WS318	3.80	2.0 – 3.8	33.21 – 31.41	Alluvium
WS401	4.00	3.0 – 4.0	34.58 – 33.58	
WS406	3.80	2.0 – 3.8	35.35 – 33.55	
WS303	4.85	2.0 – 4.85	32.48 – 29.63	
WS308	4.00	1.5 – 4.00	32.95 – 30.45	
2021 Groundwater Investigation				
RO101	15.00	10.0 – 15.0	24.63 – 19.63	Sandstone Bedrock / Principal Aquifer
RO102	20.00	8.0 – 20.0	26.30 – 14.30	
RO103	15.00	5.0 – 15.0	29.42 – 19.42	
RO104	15.00	7.0 – 15.0	29.33 – 21.33	
RO105	15.00	8.0 – 15.0	31.05 – 24.05	
RO106	20.00	5.5 – 15.0	28.70 – 19.20	
RO107	15.00	6.0 – 20.0	31.32 – 17.32	

6.0 Encountered Ground Conditions

6.0.1 The following ground conditions are summarised from the exploratory holes formed during the RºC Consulting site investigation. The following represents an overview of encountered ground conditions and it is recommended reference be made to the borehole and trial pit log sheets provided within Appendix B for a detailed strata description; all depths shown are given in metres below ground level (mbgl) unless otherwise stated.

6.0.2 For the purposes of description, the ground conditions encountered during the RºC Consulting Phase 2 Site Investigation has been subdivided based upon the proposed development intentions between the following. The extent of each area is shown on RºC Consulting drawing ES200 in Appendix A.

- Mayfield Park Area, consisting of:
    - Zone 1 “Lawns” - Park Lawn
    - Zone 2 “Wild-scape Area” - Wild-scape Area
    - Zone 3 “Multi Use Game Area” - Multi Games Area (MUGA)
    - Zone 4 “South West Park Area” - Southwest Park Area
    - Zone 5 “Hoyle Street East”- Outside of proposed park
    - Foundation exposure pits completed on River Medlock walls
- Proposed Commercial Office and Multi Storey Car Park (Plots O, N and M)

6.0.3 An overview to the findings of ground conditions in Plots O, N and M has been provided for illustrative purposes. It is understood these areas will form part of the wider earthworks and remediation strategy for the "Phase 1" planning consent. Similarly, the ground model for Hoyle Street West has been included as stockpiled materials and soils in this area may also form part of a wider remediation / materials movement strategy.

6.1 Ground Conditions Overview: Mayfield Park

Zone 1 "Lawns"

Made Ground

6.1.1 Made ground was reported at all exploratory hole locations the details of which is provided in table 6.1 below.

Table 6.1: Made Ground Strata Description (Zone 1)

Strata description	The surface covering in Zone one varied with location across the site. Asphalt was reported at two locations (WS332 & WS304) and varied in thickness from 0.05 to 0.1m. A concrete slab (~34.50mAOD) associated with the demolished historical warehousing was reported at is located adjacent to the culvert to the west locations and extends to the River Medlock to the south and east and the slope to the Mayfield Depot to the north. Cores were formed through the concrete which was not reinforced and varied in thickness from 0.1 to 0.6m with a mean thickness of 0.25m. Concrete pad foundations associated with former buildings were exposed at WS313 and TP312A. Four locations were unsurfaced, comprising granular made ground of demolition type fill material (WS303, WS311A, WS307 & WS318). Made ground was encountered at all locations beneath the concrete slab and asphalt surfaced areas. Beneath WS332 a 100mm thick layer of limestone subbase was noted whereas beneath WS304 no limestone subbase was noted beneath the asphalt surfacing. Made ground was primarily granular in nature consisting of gravelly sand and sandy gravels containing demolition fill material such as whole bricks, mortar, glass, slate, concrete and rare ash and clinker. To the west of the slab, adjacent to the culvert, WS304 encountered granular made ground, including ash and clinker, to a depth of 4.05mbgl. Clayey made ground was noted at four locations varying in depth from 4m (unproven) to 0.8m and was found to also contain demolition fill type material although this was primarily bricks. It is noted that beneath much of the concrete slab in Zone 1 are relic walls, basements and foundation structures associated with the historic dyeworks and masonry walls were frequently uncovered during trial pitting works during the site investigation in this area. No ground water strikes were noted within made ground deposits.		
Max Depth	4.05mbgl	**Min Depth**	0.5mbgl
Mean Depth	1.82mbgl	**SPT Range**	1-50

Natural Strata

6.1.2 Natural soils were reported at the base of made ground deposits at 17 of the 21 exploratory hole locations in Zone 1 as described in Table 6.2, Table 6.3 and Table 6.4 below.

Table 6.2: Alluvial Sand and Clay (Zone 1)

Strata description	Immediately underlying the made ground in the large slab area, the natural strata is generally described as a light brown / brown very sandy clay / clayey sand. It is worth noting that glacial till was noted at two locations namely WS317 (4.7-5.1mbgl) and WS315 (0.5-5mbgl).		
Max Depth	5.43mbgl	**Min Depth**	1.70mbgl
Mean Depth	3.67mbgl	**SPT Range**	0-51

Table 6.3: River Terrace Gravels (Zone 1)

Strata description	Underlying the alluvial sand/clay deposits at 5 locations (WS304, WS303, WS315, TP312 and WS307 were alluvial gravel deposits described generally as a sandy fine to medium gravel of mudstone and other lithologies.		
Max Depth	5.17mbgl	**Min Depth**	2.0mbgl
Mean Depth	4.29mbgl	**SPT Range**	50-50

Table 6.4: Weathered Sandstone (Zone 1)

Strata description	Weathered sandstone bedrock was encountered, at 11 locations beneath the large slab, at depths ranging between 1.5mbgl (WS314, northern slab area) to 4.7mbgl (WS317), gradually increasing in depth towards the River Medlock. It is generally described as a reddish-brown gravelly sand, due to its completely weathered condition.		
Max Depth (unproven)	4.70mbgl	**Min Depth (Encountered)**	1.50mbgl
Mean Depth (unproven)	2.97mbgl	**SPT Range**	26-50

Zone 2 "Wild-scape Area"

Made Ground

6.1.3 Made ground was reported at all exploratory hole locations the details of which is provided in table 6.5 below.

Table 6.5: Made Ground Strata Description (Zone 2)

Strata description	The surface covering within the existing warehouse (Dirt Factory) comprises on a reinforced concrete slab, at a level of 34.31mAOD, with an average thickness of 0.2m and rebar 10mm diameter. Across the site of former brewery at the higher elevation of 39.20mAOD, surface covering comprises reinforced concrete (averaging 0.2m thick, with 10mm rebar). It is noted that a change in type of concrete occurs towards the river's retaining wall, measuring 0.15m thick. Upon breaking out at TP306, a 5m deep basement structure was exposed. The extent of this is unknown, however, breaking out at TP307 and 308 did not encounter the sub-structure. Small bunded stockpiles of dark brown, gravelly clay (including brick and concrete) was distributed across the concrete slab in this area (refer to Section 8.0). Higher elevation made ground - To the east of the Dirt Factory warehouse, at the site of the former brewery (BH401), site levels rise 4.8m to 39.13mAOD. Beneath the slab at the highest elevation, granular Made Ground attributed to demolition fill extends to an approximate 5mbgl / 34.00mAOD, including intact brick masonry. It is in this area, a 5m deep basement structure was uncovered adjacent to the river wall (TP306). The higher elevation to the east, where the basement structure was exposed (TP306), is limited to existing masonry walls to a depth of 5mbgl. From nearby BH401, the depth of made ground extends to 5.0mbgl, suggesting the basement to be formed on bedrock. TP308 to the east of this encountered demolition fill and mixed sand and gravel material compacted between a broken brick archway and did not prove the extent of the made ground, although nearby data suggests 5.0mbgl. Lower elevation made ground - Following the river upstream, surrounding the existing warehouse, granular Made Ground was encountered to a depth of 1.70mbgl which relates to the footprint of a historical building (also encountered inside the existing warehouse at WS301 and WS301A).The minimum depth of proven made ground encountered was 0.30mbgl at WS322 to the east of the Dirt Factory and the maximum was 0.96mbgl also on the eastern side of the dirt factory. The average depth of proven made ground in the area of lower elevation of Zone 2 was 0.55mbgl. No ground water strikes were noted within made ground deposits.		
Max Depth	5.00mbgl	**Min Depth**	0.3mbgl
Mean Depth	2.65mbgl	**SPT Range**	8-50

Natural Strata

6.1.4 Natural soils were reported at the base of made ground / sand deposits at 4 of the 10 exploratory hole locations in Zone 2 as described in Table 6.6 below.

Table 6.6: Alluvium and Weathered Bedrock Strata (Zone 2)

Strata description	At locations proving the extent of made ground, the weathered bedrock fraction was reported directly underlying the Made Ground deposits. At one location (WS322) brown fine to coarse sand was noted underlying made ground deposits at 0.3-1.0mbgl. The depth to weathered bedrock ranges from 0.4 – 1.0mbgl with an average encountered depth of 0.79mbgl in the area of the existing warehouse. At the higher elevation to the east weathered sandstone was encountered at 5.0mbgl in BH401. The bedrock was reported to be completely weathered recovered as reddish-brown sand.		
Max Depth	5.0mbgl	**Min Depth**	0.4mbgl
Mean Depth	See text	**SPT Range**	2-7 (Alluvium) 18-50 (Sandstone)

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6.1.5 Shallow Made Ground deposits consisting of granular ashy material were excavated, exposing in-situ structures relating to historical operations (walls, chimney bases, drainage runs). Weathered bedrock is encountered at a depth circa 1mbgl, although it locally varies in depth and comprises of alluvium. This is likely a result of historical flooding and erosional forces from the river. Where bedrock occurs, it is very weak and poorly cemented and excavated as a gravelly sand. Further information is contained within Appendix B.



Zone 3 "Multi Use Games Area" (MUGA)

Made Ground

6.1.6 Made ground was reported at all exploratory hole locations the details of which is provided in table 6.7 below.

Table 6.7: Made Ground Strata Description (Zone 3)

Strata description	Surfacing – A concrete slab associated with the former truck yard, located in the south eastern corner, ranges in thickness between 0.14 and 0.30m. In the western area of the zone, and east of the river's meander, broken concrete (TP301, TP304) and gravels are encountered at surface, with a maintenance pit present adjacent to TP304. Topsoil was also noted in the western area of the zone at four locations. In the raised area of the truck yard, underlying the concrete, Made Ground was encountered to depths between 3.1 and 3.4mbgl, and is generally described as sandy gravel consisting of brick, limestone, sandstone, clinker, ash and concrete. Hydrocarbon odours are noted in the upper 1.0m. The Made Ground in this area is generally described as sandy gravels containing brick, concrete, ash, slate becoming clayey with depth between 0.8 and 2.4mbgl with an average depth of 1.5mbgl; with a perched water table at 0.55mbgl (strong hydrocarbon odour).		
Max Depth	3.40mbgl	**Min Depth**	0.80mbgl
Mean Depth	1.75mbgl	**SPT Range**	1-32

Natural Strata

6.1.7 Natural soils were reported at the base of made ground deposits at 16 of the 18 exploratory hole locations in Zone 3 as described in Table 6.8, Table 6.9 and Table 6.10 below.

Table 6.8: Glacial Till (Zone 3)

Strata description	Glacial Till was encountered at 3 locations in Zone 3 and was overlying alluvial deposits at these locations. And was generally described as a brown sandy/gravelly clay.		
Max Depth	2.7mbgl	**Min Depth**	1.85mbgl
Mean Depth	2.14mbgl	**SPT Range**	N/A

Table 6.9: Alluvium (Zone 3)

Strata description	In Zone 3, underlying Made Ground, noted as predominantly alluvium (sandy clays / sands) ranging in depths between 1.85 to 5.45mbgl; generally described as a light brown sandy slightly gravelly/gravelly clay and clayey/gravelly sand. Sand and gravel deposits were encountered at depth at 3 locations from 5.1-5.45mbgl and was described as coarse – medium sand and fine to medium subangular to rounded gravel of mudstone and sandstone.		
Max Depth	5.45mbgl	**Min Depth**	2.0mbgl
Mean Depth	4.14mbgl	**SPT Range**	0-50

Table 6.10: Weathered Bedrock (Zone 3)

Strata description	Bedrock was encountered in 5 of the 17 exploratory holes. The depth to weathered bedrock ranges from 4-5.1mbgl. The bedrock was reported to be completely weathered recovered as reddish-brown sand.		
Max Depth (Unproven)	4.0mbgl	**Min Depth**	5.1mbgl
Mean Depth (Unproven)	4.65mbgl	**SPT Range**	50-50

Zone 4 "South West Park Area"

Made Ground

6.1.8 Made ground was reported at all exploratory hole locations the details of which is provided in table 6.11 below.

Table 6.11: Made Ground Strata Description (Zone 4)

Strata description	Surfacing – A concrete slab is present associated with the basement of the former works building located centrally within the zone (~33.20mAOD) WS101 BH102 and WS106 of the Plot M SI were located in this area and reported 0.4-0.3m of concrete directly underlain by weathered sandstone. BH303 was located just to the south of Zone 2 in the access road to the Dirt Factory. Here 0.25m of concrete was reported followed by 1.3m granular made ground material overlying the weathered sandstone. WS316 was located in the same area and was terminated in granular made ground at 0.9mbgl. BH110 and BH109A were located in the western area of zone 4 and formed part of the Plots O & N SI. Both encountered granular made ground to a depth of 5.2mbgl before encountering natural strata in the form of alluvial sand/gravel deposits. TP105 and BH109 were also located in this area but were terminated early in made ground due to uncovering a service warning.		
Max Depth	5.2mbgl	**Min Depth**	0.3mbgl
Mean Depth	1.82mbgl	**SPT Range**	2-50

Natural Strata

6.1.9 Weathered bedrock was reported at the base of made ground deposits at 5 of the exploratory hole locations in Zone 4 as described in Table 6.12, below.

Table 6.12: Weathered Sandstone (Zone 4)

Strata description	Weathered sandstone was encountered directly underlying made ground deposits at 5 locations (WS106, WS101 and BH303, BH109A and BH110). Weathered sandstone was fully weathered and recovered as a reddish-brown sand.		
Max Depth (Unproven)	7.20mbgl	**Min Depth (Encountered)**	0.3mbgl
Mean Depth	3.16mbgl	**SPT Range**	50-50

6.2 Ground Conditions Overview: Zone 5 Hoyle Street West

Concrete Slabs / Asphalt

6.2.1 A concrete slab was also encountered in the southwestern extent of the site, beneath stockpiled material, measuring 0.3m thick (Delaney's yard area). To the south of the existing warehouse is an asphalt covered car park area (~37-38mAOD). Asphalt ranged in depth from 0.1-0.2mbgl and the underlying limestone subbase ranged in depth from 0.25-0.35mbgl.

Made Ground

6.2.2 Made Ground was reported across all locations. The car park area south of the existing warehouse, underlying the sub-base, is loose brick masonry and granular made ground to 1.1mbgl in proximity to the former tanks, extending to 3.3mbgl in the area adjacent to Bond Street / Mancunian Way. Asbestos was identified throughout this Made Ground. Clay made ground was also noted at 3 locations (WS406, WS408 and BH402 in the form of brick fill within a clay matrix.

6.2.3 Overall made ground deposits ranged in depth from 0.5 to 3.3mbgl with the deeper deposits being located closer to Bond Street as previously mentioned. The depth of made ground was not proven at 6 locations due to its compact nature when window sampling and instability during trial pitting works.

Stockpiled Material / Delaney's Yard

6.2.4 The area of stockpiled material in the southeast corner of the site, known as Delaney's yard, consists of stiff reworked clay (39.41mAOD) at the lower elevations, to a depth of 0.6mbgl. The site levels rise southward to ~42.20mAOD, where a 0.3m thick concrete slab (footprint of historical building) overlies demolition fill material to a depth of 39.40mAOD, overlying natural soils.

6.2.5 The vegetated stockpiled material overlying the concrete pad is predominantly brown very sandy slightly gravelly clay to a depth of 2.0m, with deleterious material uncovered in small pockets and bands in the form of mixed demolition fill including brick, metal, concrete and plastic sheeting. In areas where the concrete is not encountered, the stockpile resides over stiff friable clay (reworked) at approximately 40.0mAOD. In the area of TP405 and 406, the deleterious material is encountered towards the horizon of reworked clay, circa 2.0m from the top of the stockpile.

Natural Strata

6.2.6 At all exploratory hole locations in Delaney's Yard, the weathered bedrock fraction was reported directly underlying the Made Ground deposits where proven.

6.2.7 In the car park area to the south of the Dirt Factory natural strata was encountered primarily in the form of gravelly / silty clays overlain by sands. Clay deposits range in depth from 2.4 to 3.55mbgl with an average depth of 2.82mbgl, sand deposits were deeper ranging in depth from 3.2 to 4.32mbgl with an average depth of 3.89mbgl.

Completely Weathered Bedrock

6.2.8 To the south of the warehouse, TP409 and BH402 encountered bedrock ranging between 1.1 and 3.3mbgl (37.09 and 34.35mAOD), respectively WS406 and WS407 also encountered bedrock in this area at 3.7 and 2.55mbgl (33.30 and 34.63mAOD) respectively. To the east, at the site of the former brewery, bedrock was encountered at 5.0mbgl / 34.04mAOD (BH401) and at 3.2mbgl / 38.51mAOD south of this at BH403. The bedrock was reported to be completely weathered recovered as reddish-brown sand.

6.3 Ground Conditions Overview: Proposed Plot O and M offices; and Plot N MSCP

6.3.1 The below overview has been summarised from the ground investigations completed by RoC Consulting in 2019 and 2020 across proposed commercial development Plots O, N and M. It is recommended the ground investigation reports for these sites (the references for which are provided within Section 1.0 of the current study) are reviewed in conjunction with this synopsis.

Concrete Slabs

6.3.2 On Plot M, the concrete slab formed the floor level (~36.9mAOD) and basement level (~33.2mAOD) of the former building. The slab at the higher elevation is 0.15m thick and overlies granular made ground deposits, with a second slab encountered at a depth of 0.5mbgl and averages 0.2m thick. The slab at the lower elevation towards the river is 0.15m thick and overlays a second slab which averages 0.15m in thickness. This slab sits on top of natural strata.

6.3.3 Plot O is covered in asphalt at surface, averaging 0.45m thick (including subbase). At an average depth of 1.8m and 2.5mbgl (33.30 to 32.71mAOD), a concrete pad and tiled floor obstruction were encountered. These relate to the historical Mayfield Baths and later Works expansion. These are discussed further in the RoC Consulting's Plot O+N Site Investigation Report

Made Ground

6.3.4 Discounting the hardstanding, Made Ground was reported across locations. Made Ground predominantly comprised of loose granular material consisting of brick, concrete, ash and limestone and frequent brick masonry to depths ranging 1.5mbgl to 2.95mbgl / 35.43 and 33.98mAOD (Plot M; upper level) At the lower level of Plot M, adjacent to the river, Made Ground was not encountered underlying the concrete slab.

6.3.5 On Plot O investigations revealed numerous below ground structures and obstructions relating to the former bath houses, including tiled flooring, basement walls, drainage infrastructure and other related features. Investigations revealed the baths to have been demolished into themselves with fill material comprising an ashy sand and gravel of brick, slate, concrete, limestone and York stone paving. Tile flooring / suspected ceramic brick likely associated with the historic baths were encountered at depths between 1.80mbgl (33.30mAOD) and 2.50mbgl (32.71mAOD). Underlying the tiled floor obstruction (Plot O), crushed Victorian-era subbase and loose gravel material beneath which organic rich alluvial soils were reported.

6.3.6 The depth of made ground varied around the baths to depths between 30.0 and 32.9mAOD with some brick walls and structures found to extend to significant depths beneath the site (possible relating to old drainage infrastructure) e.g., brick wall noted in TP108 that extended to a depth circa 28.8mAOD.

6.3.7 On Plot N made ground typically comprised a demolition fill reported as dark brown gravel of brick and concrete with slate, glass, rebar and timber at some locations to depths between 0.60 and 5.70mbgl.

Natural Strata

6.3.8 Across the northern and eastern area of the site a light brown very silty organic rich sand was reported underlying made ground and subsequently proven to depths circa 33.67mAOD to 31.12 mAOD. At BH109A, BH110 and TP106 a sandy gravel was reported from depths ranging between underlying these silty alluvial sands 30.39 and 28.25mAOD.

6.3.9 Toward the southern and western portion of the site, and particularly in the area beneath the former swimming pools, underlying natural soils comprised a very soft dark grey / black organic rich clay. The clay extended to depths circa 28.5mAOD (e.g., TP107 and TP108) and was underlain by weathered Sandstone.

Completely Weathered Bedrock

6.3.10 Bedrock was encountered at all borehole locations (BH105 – BH110) and trial pits TP106 to 110 at depths ranging between 27.4mAOD (TP107) and 32.38mAOD (REC BH02). The depth to bedrock varied markedly across the site, tending to dip from circa 31mAOD to the northern and eastern portion to circa 28mAOD to the south and west.

6.3.11 Bedrock was reported as being recovered completely weathered as reddish-brown sand generally reported as being extremely weak.

Intact Bedrock

6.3.12 Underlying the completely weathered section, ranging from depths from 27.47maOD (north), 25.09mAOD (centre) and 25.08mAOD (South) across the site. The strength of the rock is noted to be Very Weak and becoming more competent with depth.

6.4 Ground Conditions Overview: River Wall Boreholes and Foundation Exposures

Made Ground

6.4.1 Made ground was reported at all exploratory hole locations the details of which is provided in table 6.13 below. A separate report has been produced providing further details regarding the construction of the river wall and culvert (ROC report ref: 4153-ROC-XX-XX-RP-S-RCW1).

Table 6.13: Made Ground Strata Description

Strata description	Surfacing – A total of 17 boreholes were formed along the river wall/culvert. Of these 4 were surfaced with topsoil (PH301, PH301A PH306 and PH308), 3 were surfaced with asphalt (PH313, PH302 and PH303 all to 0.05mbgl) the remainder of the river wall boreholes were surfaced with concrete which ranged in depth from 0.1 to 0.25mbgl with an average thickness of 0.17mbgl. The majority of concrete cores were around 0.15m thick. In the majority of cases concrete was underlain by granular made ground which was primarily identified as demolition fill in the form of sandy gravel or gravelly sand with brick cobbles. At depths ranging from 0.4mbgl to 4.8mbgl. Generally, the deeper made ground deposits are associated with areas where the river wall is taller and appears to have been used as backfill when the wall was constructed. Made ground with clay as the primary constituent was also noted at 8 holes and was in most cases found below the granular made ground deposits. A black highly organic clay was encountered at PH303 (and BH110). The depth of made ground was not proven at 6 of the 18 boreholes formed as part of the river wall exploratory works. No groundwater table was encountered within made ground deposits.		
Max Depth	4.8mbgl	**Min Depth**	0.40mbgl
Mean Depth	2.82mbgl	**SPT Range**	1-52

Natural Strata

6.4.2 Natural soils were reported at the base of made ground deposits at 11 of the 18 exploratory hole locations in the river wall/culvert boreholes as described in Table 6.14, Table 6.15 and Table 6.16 below.

Table 6.14: Natural Strata (Glacial Till)

Strata description	Beneath made ground deposits glacial till was encountered at two river wall borehole locations (PH316 and PH301A) and was described as sandy slightly gravelly clay / slightly gravelly clay.		
Max Depth	3.80mbgl	**Min Depth**	3.50mbgl
Mean Depth	3.65mbgl	**SPT Range**	1-6

Table 6.15: Natural Strata (Alluvium)

Strata description	The primary natural deposits encountered at the river wall and culvert boreholes wall alluvial sand, clay and gravel deposits which is to be expected given the close proximity to the River Medlock. Alluvial deposits were primarily described as slightly clayey gravelly sands although there was also some sandy clays and sand and gravel encountered at greater depths. At depth, it becomes very dense gravels (river deposits) in 5 locations, suggesting founding depth of wall foundations		
Max Depth	6.00mbgl	**Min Depth**	4.00mbgl
Mean Depth	5.24mbgl	**SPT Range**	0-50

Table 6.16: Weathered Sandstone

Strata description	Weathered sandstone was encountered at 6 of the 18 river wall probe holes at depths ranging 4 - 6mbgl.		
Max Depth	6.00mbgl	**Min Depth**	4.00mbgl
Mean Depth	4.93mbgl	**SPT Range**	50-50

6.4.3 The above data suggests a variable founding depth along the river walls, with very low strength soils from surface to 4.0mbgl, until the very dense gravel alluvium is encountered, overlying the weathered sandstone. Please refer to borehole logs PH30X series and the accompanying foundation exposure logs, contained within Appendix B.

6.5 Groundwater & Contamination Observations

Contamination Observations

6.5.1 During the investigations, a number of visual and olfactory contamination observations were made. These are discussed in Table 6.17, 6.18, 6.19, 6.20, 6.21.

Table 6.17: Zone 1 "Lawns" Contamination Observations

BH ID	Depth		Notes and observations
	mbgl	mAOD	
TP310	1.50	32.98	Suspected dyeworks contamination (brightly coloured clayey material) associated with historic dyeworks operations.
WS304	1.60 - 1.80	33.40 - 33.20	Hydrocarbon odour likely associated with former TFGM Fuel storage tank known to have been located in this area
WS312	1.40 - 2.00	33.09 - 32.49	Slight hydrocarbon odour likely associated with historic dyeworks and works operations.

Zone 2 "Wild-scape Area"

6.5.2 No olfactory or visual evidence of contamination was encountered during the site investigation works in Zone 2.

Table 6.18: Zone 3 "Multi Use Games Area" Contamination Observations

BH ID	Depth		Notes and observations
	mbgl	mAOD	
WS328	0.60 - 1.00	33.43 - 33.03	Some material-stained black hydrocarbon odour present becoming weaker with depth. Likely source associated with historic vehicle maintenance yard.
	1.00 - 1.40	33.03 - 32.63	Strong Hydrocarbon odour. Likely source associated with historic vehicle maintenance yard.
	1.40 - 4.00	32.63 - 29.03	Moderate Hydrocarbon odour. Likely source associated with historic vehicle maintenance yard.
WS329A	0.30	34.21	Black oily sheen and strong hydrocarbon odour noted. Likely source associated with historic vehicle maintenance yard.
BH302	0.55	33.92	Strong hydrocarbon odour. Likely source associated with historic vehicle maintenance yard.
TP303	0.20 - 1.60	34.83 - 33.43	Strong hydrocarbon odour Likely source associated with historic vehicle maintenance yard.
TP305	0.50 - 0.80	34.15 - 33.85	Black colouration with hydrocarbon odour Likely source associated with historic vehicle maintenance yard.
WS323	0.16 - 0.50	36.49 - 36.15	Slight hydrocarbon odour. Likely source associated with historic vehicle maintenance yard.
WS324	0.14 - 0.45	36.81 - 36.50	Slight hydrocarbon odour. Likely source associated with historic vehicle maintenance yard.
	1.00	35.95	Hydrocarbon odour. Likely source associated with historic vehicle maintenance yard.
WS325	1.50	33.00	Organic odour. Likely source associated with historic vehicle maintenance yard.
RO104	6.30	30.03	Strong hydrocarbon odour. Likely source associated with historic vehicle maintenance yard.

Zone 4 "South West Park Area"

6.5.3 No olfactory or visual evidence of contamination was encountered during the site investigation works in Zone 4.

Table 6.19: Zone 5 Hoyle Street West Contamination Observations

BH ID	Depth		Notes and observations
	mbgl	mAOD	
WS401	3.30 - 4.00	34.28 - 34.98	Strong chemical odour. Likely associated with the historic above ground tanks located in the area.
TP403	2.00	40.38	Seepage of black contaminated water impacting soils very strong hydrocarbon odour. Likely associated with the historic above ground tanks located in the area.
TP409	0.35 – 0.75	37.84 - 37.44	Hydrocarbon odour. Likely associated with the historic above ground tanks located in the area.
	0.95 – 1.10	37.24 - 37.09	
TP410	0.30 – 0.70	36.87 - 36.47	
WS404	0.30 – 0.65	38.16 - 37.81	Moderate hydrocarbon odour. Likely associated with the historic above ground tanks located in the area.
RO107	5.50	31.82	

Table 6.20: River Wall Investigation Contamination Observations

BH ID	Depth		Notes and observations
	mbgl	mAOD	
PH311	0.40 - 0.55	33.78 - 33.63	Tar-like substance with very strong hydrocarbon and solvent chemical odour.
PH301A	1.9	33.6	Potential asbestos containing material likely associated with demolition of past phases of development or use of demolition fill as backfill against the river wall.
PH315	1.9	33.32	White paste-like material.

Table 6.21: PPOC Trial Pit Investigation Contamination Observations

BH ID	Depth		Notes and observations
	mbgl	mAOD	
PP105	1.2	33.63	Hydrocarbon odour noted. Likely source associated with historic vehicle maintenance yard.

Groundwater Observations

Zone 1 "Lawns"

6.5.4 Resting groundwater monitoring results (as revealed from borehole standpipes) indicate a groundwater table within the Chester Sandstone Formation at depths ranging between 30.55 and 30.08mAOD. No groundwater strikes or ingresses were noted in exploratory holes across this portion of the site. Full details of monitoring results have been provided within Appendix E. Zone 1 groundwater strikes are summarised in table 6.22 below.

Table 6.22: Zone 1 Groundwater Strike Information

BH ID	Water Strike Depth		Resting Water Level	
	Mbgl	mAOD	mbgl	mAOD
BH301	4.30	30.20	3.95-4.42	30.55-30.08
WS310	4.00	30.45	N/A	N/A

Zone 2 "Wild-scape Area"

6.5.5 No groundwater table was encountered during site investigation works however water was detected on one occasion in WS319 on a subsequent monitoring well visit. However, after this visit, water was not recorded again within the well.

Table 6.23: Zone 2 Groundwater Strike Information

BH ID	Water Strike Depth		Resting Water Level	
	mbgl	mAOD	mbgl	mAOD
WS319	N/A	N/A	2.51	31.73

Zone 3 "Multi Use Game Area"

6.5.6 Water strikes during the SI indicate a potential groundwater table within the alluvial deposits between 2.00 and 4.10mbgl and a perched water table within made ground deposits at 0.20-1.00mbgl although groundwater monitoring in this zone did not reveal a resting water table. Full details of monitoring results have been provided within Appendix E.

Table 6.24: Zone 3 Groundwater Strike Information

BH ID	Water Strike Depth		Resting Water Level	
	mbgl	mAOD	mbgl	mAOD
WS331	4.00	31.00	N/A	N/A
WS330	2.00	32.81	N/A	N/A
WS329	0.20	34.31	N/A	N/A
WS329A	4.00	30.51	N/A	N/A
BH302	0.55	33.92	N/A	N/A
BH302	4.1	30.37	N/A	N/A
TP305	1.0	33.65	N/A	N/A

Zone 4 "South West Park Area"

6.5.7 Resting groundwater monitoring results (as revealed from borehole standpipes) indicate a groundwater table within the Chester Sandstone Formation at depths ranging between 30.35 and 30.40mAOD. Full details of monitoring results have been provided within Appendix E.

Table 6.25: Zone 4 Groundwater Strike Information

BH ID	Water Strike Depth		Resting Water Level	
	mbgl	mAOD	mbgl	mAOD
BH102	N/A	N/A	2.84-2.94	30.36-30.26
BH110	N/A	N/A	4.99-4.94	30.35-30.40

Zone 5 Hoyle Street West

6.5.8 No groundwater strikes were encountered during site investigation works in the area of Hoyle Street West, nor has groundwater been encountered during any subsequent monitoring visits.

River Medlock Walls

6.5.9 During the river wall investigation groundwater was encountered in 7 of a possible 18 exploratory holes. All but one of these water strikes occurred in natural sand deposits, the exception being PH303 relating to a perched water table present in granular made ground deposits. No wells were installed within the river wall and culvert boreholes; therefore, no monitoring data is available.

Table 6.26: River Medlock Walls Groundwater Strike Information

BH ID	Water Strike Depth	
	mbgl	mAOD
PH304	3.90	30.58
PH305	4.00	30.60
PH306	3.90	30.36
PH308	3.30	31.04
PH303	1.54 - 1.70	33.53 - 33.37
PH307	3.00	30.19
PH316	4.00	30.09

Groundwater Quality Investigation

6.5.10 Deep boreholes BH102, BH108, BH110 and RO101 -107 formed into the principal bedrock aquifer encountered the water table within the sandstone at all locations, including BH102, BH108 and BH110 from previous phases of investigation. Resting water levels, as revealed by groundwater monitoring, are indicated in Table 6.27 below:

Table 6.27: 2021 Groundwater Monitoring – Resting Water Level

BH ID	12.02.21		18.02.21		24.02.21		Average	
	mbgl	mAOD	mbgl	mAOD	Mbgl	mAOD	mbgl	mAOD
RO101	4.58	30.05	4.62	30.01	4.74	29.89	4.65	29.98
RO102	3.60	30.68	3.46	30.82	3.65	30.63	3.57	30.71
RO103	3.88	30.54	3.93	30.49	4.05	30.37	3.95	30.47
RO104	5.93	30.40	5.87	30.46	6.01	30.32	5.94	30.39
RO105	8.94	30.11	8.86	30.19	8.67	30.38	8.82	30.23
RO106	3.64	30.53	3.50	30.67	3.65	30.52	3.60	30.57
RO107	7.19	30.13	7.07	30.25	7.23	30.09	7.16	30.16
BH102	2.50	30.70	2.65	30.55	2.77	30.43	2.64	30.56
BH108	4.65	30.07	4.75	29.97	4.91	29.81	4.77	29.95
BH110	4.81	30.53	4.87	30.47	4.98	30.36	4.89	30.45

6.5.11 Groundwater quality monitoring was undertaken during the sampling of the boreholes, as shown in Table 6.28. Monitoring wells were developed to x3 well volume in the days prior to undertaking low-flow sampling. The full details of the results are contained within Appendix E; with chemical testing results contained within appendix C.

6.5.12 During the development of the monitoring wells, rising head test data was obtained from a total of 6 boreholes (refer to Appendix E for full details). The results correlate to indicate a fast-replenishing water table within the sandstone. When reviewed with the continuous monitoring data for Plot O & N boreholes, water levels show a short lag time between periods of heavy rainfall and changes in the water table, at levels similar to the water level of the River Medlock and indicative of the influence of the water course on the groundwater table.

6.5.13 RoC Consulting drawing ES207 illustrates the range of groundwater levels (29.95mAOD – 30.71mAOD) represented as contours. Although the water table ranges between these depths, the shallower levels correlate to the downstream area adjacent to the meander of the river channel (RO102, RO106, BH102).

Table 6.28: Water Quality Probe Data

ID	Temp ºC	pH	Conductivity (us/mg)	Dissolved Oxygen (mg/l)
RO101	8.4	7.44	604.6	1.74
RO102	4.3	7.04	2592*	10.84
RO103	7.9	6.61	1060	5.09
RO104	11	6.48	1025	11.88
RO105	10.1	6.80	1098	7.79
RO106	8.4	6.96	287.9	5.7
RO107	10.3	6.60	1524	1.86
BH102	5.9	6.71	1209	8.21
BH108	11.2	6.83	1991	3.03
BH110	10.5	7.17	1119	2.74

*compare data value with laboratory results

Commentary on Hydrogeology and Groundwater Flow

6.5.14 Groundwater was largely absent from the majority of boreholes and trial pits formed during initial SI works, which terminated within upper weathered fraction due to its density / difficult drilling conditions. A number of groundwater strikes, or ingresses were noted during site works, tending to occur at the boundary between zones of differing permeability (e.g. made ground and glacial clays as noted in WS329) or at a level comparable with the River Medlock bed level (circa 30-31mAOD).

6.5.15 A water table associated with the River Medlock is also evident in exploratory holes formed in close proximity to this feature. At some locations, the water table appears to be partially confined at depth by less permeable silty sand / clay alluvial at depth within a layer of River Terrace gravels, responding to increases in water level within the channel during periods of heavy rainfall (as shown in continuous monitoring data for BH110).

6.5.16 The deeper composition and make-up of the Sandstone Bedrock aquifer has been investigated during the Plot O, N and M site investigation works and the additional 2021 groundwater investigation. The bedrock topography beneath the site is at or around 30-32mAOD, dipping to the southwest in the area of Plot O & N (refer to drawings GEO101 and 102 within Appendix A).

6.5.17 A resting water table was reported in deep monitoring wells formed into the Sandstone at depths circa 30-31mAOD (i.e., broadly corresponding with base of river channel) in the area of Plots O, N and M; with the more recent investigation across the Mayfield Park correlating with this range of groundwater levels. The levels within monitoring wells formed across the park (RO10X series) range between 30 - 31mAOD and confirms the relatively flat bedrock and slight flow from east to west.

6.5.18 Water levels of the Medlock, as measured during the topographical survey dated December 2020, range between 31.2 and 32.38mAOD with base levels in the range 30.20 to 32.30mAOD. Given the general trend of groundwater encountered in monitoring wells, and the tendency for resting water levels to correlate to the base level of the river channel, it is considered likely that groundwater table is in some form of hydraulic conductivity with the River Medlock on a localised basis.

6.5.19 Specifically locations down-flow of river meanders, which show approx. 20cm increase in water levels (RO102, BH102, RO106). This data correlates to the hydrological characteristics associated and expected with river meanders. Water may be able to percolate from the River through the walls in these areas to surrounding soils (and vice vera), although the potential for this movement will be a function of river wall integrity and instruction. It is also of note the majority of river wall foundation exposures did not encounter significant volumes of water ingress during excavation.

6.5.20 Away from those wells formed in close proximity to river channel (and particularly wells on the outside bends of the Medlock), there is likely to be less hydrological connectivity with the river. Although the general trend of groundwater flow is to the west, it appears to be dictated by depth of bedrock, as the dip to the southwest (BH108) shows deeper groundwater in this portion of the site. River wall structures such as the culvert and former brewery appear to be limiting the hydraulic connectivity in these areas.

6.5.21 Soakaway testing completed in support of the emerging drainage strategy revealed the made ground deposits (and to a lesser degree) Sandstone bedrock possess a reasonable degree of permeability. The rates of infiltration at the proposed invert levels (refer to Appendix D for further information) are as follows:

- SA1: 4.542 x 10^{-4} m/s
- SA2: 1.486 x 10^{-4} m/s
- SA3: 2.486 x 10^{-5} m/s

6.5.22 As such it is reasonable to assume any rainfall or surface water infiltration percolates down through the shallow soils and into the Sandstone bedrock. This percolation and the highly weathered / broken nature of shallow bedrock will likely explain why the resting water table does not occur till at depth (>1m) within the Sandstone (and was not encountered during the initial phase of ground investigation works).

6.5.23 A groundwater contour plan based on average water levels during spot monitoring observations (RoC Consulting drawing ES207) has been provided within Appendix A to illustrate assumed hydrogeological flow characteristics.

6.6 Below Ground Obstructions

6.6.1 Numerous below ground obstructions were reported during the course of site investigation fieldworks the majority of which relate to relic building foundations, basements, walls or floors associated with previous phases of development.

6.6.2 Subsequent more extensive archaeological investigation works have revealed structures relating to previous phases of development across the majority of the site (i.e., former Mayfield Dye works, Swimming Pool etc) remain largely intact beneath the site, having been demolished to ground level and constructed on top of during subsequent phases of development.

6.6.3 As such, and away from areas that have been covered by site investigation fieldworks, the presence of relic structures relating to previous phases of development should be anticipated the approximate spatial extent of which will broadly accord with the layouts shown on RoC drawing ES101 provided within Appendix A.



Figure 6.1: Photograph from archaeological survey works within former Mayfield Dye Works portion of the site showing relic structures dating from this phase have been constructed on top of the weathered Sandstone bedrock.

6.6.4 Observations of below ground obstructions made during site investigation works are provided in Table 6.27 to 6.32.

Zone 1 "Lawns"

Table 6.27: Zone 1 Below Ground Obstruction Details

BH ID	Depth		Notes and observations
	mbgl	mAOD	
TP312A	0.50	33.98	Concrete footing was encountered, and the trial pit terminated due to difficulty in breaking out the footing. The footing is likely associated with the historic industrial building in this area of the site known as the Chapelfield works
WS312	3.21	31.28	refusal in made ground. It is unknown what the obstruction was, but it is likely to have been compacted brick cobbles given the nature of the Made Ground.
WS313	0.60	33.87	The borehole was terminated due to a suspected concrete foundation pad likely associated with the historic Chapelfield Works that was in this area.
WS332	4.00	30.91	Window sampler refused and from SPT arisings it appears the window sampler refused on concrete. It is not clear what the concrete obstruction was although given the proximity to the culvert it is potentially associated with the culvert construction

Zone 2 "Wild-scape Area"

Table 6.28: Zone 2 Below Ground Obstruction Details

BH ID	Depth		Notes and observations
	mbgl	mAOD	
TP306	5.00	39.19 - 34.19	A basement structure was encountered beneath a 450mm thick concrete slab. The basement is believed to be around 5m deep and associated with the old Britannia Brewery which was present in this area.
WS301 & WS301A	0.40	33.91	Brick masonry was encountered, and the boreholes terminated due to the difficulty in breaking through the intact masonry. The masonry is believed to be part of a historical building.
WS320	1.50	32.72	The sampler began refusing and an SPT was undertaken to try and break through the obstruction (25 for 110mm/50 for 90mm). It is suspected the obstruction in question was a relic footing associated with a historic building.
WS316	0.90	33.25	Possible surface water drain was encountered, and borehole terminated.

Zone 3 "Multi Use Game Area"

Table 6.29: Zone 3 Below Ground Obstruction Details

BH ID	Depth		Notes and observations
	mbgl	mAOD	
WS325	2.00	32.50	A suspected void was encountered. It is unknown what the void may have been although given the historic residential housing that was present in the area it is possible that the void was part of a relic basement structure.
WS329	0.30	34.21	A concrete obstruction was encountered along with groundwater in the hand pit and the hole was terminated due to difficulty in observing the excavation and associated safety risks.

Zone 4 "South West Park Area"

6.6.5 No obstructions were noted in Zone 4.

Hoyle Street West

Table 6.30: Hoyle Street West Below Ground Obstruction Details

BH ID	Depth		Notes and observations
	mbgl	mAOD	
WS402, WS403 & WS404	0.50 0.70 0.65	38.09 37.51 37.81	cobble setts were encountered, and the boreholes were terminated due to difficulty in completing the hand dug inspection pit. It is likely that the cobble setts are associated with a historic road.
WS405	0.45	36.48	Loose brick masonry coated with asbestos cement was encountered and the borehole was terminated due to the asbestos. It is likely that the asbestos coated masonry originated from the demolition of historic buildings in the area (likely buildings associated with the Chapelfield India Rubber works circa 1946).

Medlock River Wall Investigation

Table 6.31: Medlock River Wall Below Ground Obstruction Details

BH ID	Depth		Notes and observations
	mbgl	mAOD	
PH301	0.65	34.85	A concrete obstruction was encountered in the hand-pit and the borehole was terminated due to difficulty in excavating. It is not clear where the concrete originated from although it is possibly associated with the river wall given its proximity.
PH302	0.60	34.56	A masonry wall was encountered, and the borehole was terminated due to concerns that this was part of the culvert wall given its proximity.
PH314	1.00	36.24	A concrete obstruction was encountered, and the hole was terminated due to difficulty in excavation. It is suspected that this concrete is associated with the river wall construction
PH309	1.40	31.76	A concrete obstruction was encountered, and the hole was terminated due to the window sampler refusing. It is suspected that the concrete obstruction is a relic footing associated with the historic Chapelfield works.
PH311	0.55	33.63	A concrete obstruction was encountered, and the hole was terminated due to difficulty in excavating. It is suspected that the concrete obstruction is a relic footing associated with the historic Chapelfield works.

Below Ground Obstruction Trial Pits (PP10X)

6.6.6 Below ground obstruction / relict foundation trial pits (PP TP10X series) were undertook at the direction of the enabling works contractor a number of trial pits to inform on below ground obstructions and relict foundations to support enabling works package. At the time of writing PP106 had not been completed due to constraints on site. Once received this section of the report will be updated with any relevant information from the outstanding trial pits. Please refer to photograph annotations contained within Appendix B for further information.

Table 6.32: PP Trial Pits Below Ground Obstruction Details

BH ID	Surface Level mAOD	Notes and Observations
PP101	34.46	Concrete pad foundation 5400 x 2300 x 800mm dimensions, associated with Chapelfield Works
PP102	34.50	'H' frame concrete foundation 1200 x 1200 x 800mm
PP103	34.42	Concrete footing with H frame 1200 x 1000 x 1200mm, associated with the historic Chapelfield Works.
PP104	34.49	Concrete pad foundation 5500 x 2300 x 1800mm dimensions, associated with Chapelfield Works
PP105	34.95	Machine pit- Brick wall: 230mm thick; Pit 1200mm deep x 1200mm wide. Base thickness is 300mm. Concrete base in north pit face: 250mm thick overlying 150mm gap overlying 800mm concrete.
PP107	36.36	Concrete 100mm thick; A masonry wall was noted (35.96-35.16mAOD) in the southern face of the trial pit. This is likely a relic structure associated with the historic residential housing in Zone 3.
PP108	36.77	Concrete thickness 200mm. High cobble content of brick
PP109	35.29	Concrete footings of retaining wall were encountered at 31.90mAOD but could not be understood due to pit instability.
PP109A	34.44	Retaining wall concrete footing (32.8mAOD) extending out 1000mm and 1000mm founded on sandstone. A sandstone brick wall was encountered running north – south through the pit. It is likely this is a relic structure associated with the historic Chapelfield Works.
PP110	37.32	Concrete footing of retaining wall 35.62mAOD, extending out 1000mm and 500mm deep; founded on sandstone.
PP111	38.81	A loose brick masonry wall was encountered and a second masonry wall in the south eastern corner of the pit was encountered at 0.8-1.60mbgl. It is believed these are relic structures from historic buildings associated with the Chapelfield works on the southside of the River Medlock.
PP112	36.64	Internal weighbridge 1600mm deep (silted); external wall 550mm thick and 1600mm deep
PP113	35.29	Machine pit 1500mm deep; 300 base thickness; concrete footing extending 450mm into the pit
PP114	35.25	Stone Sett (former cobbled roadway)

6.7 Soakaway Testing

6.7.1 Following discussions with the flood risk and drainage design consultants Buro Happold, RoC Consulting completed a program of Soakaway testing within the proposed park in order to establish soil infiltration rates. A total of 3 test pits were completed at (or as close as site constraints would allow) to the proposed locations of soakaway pits indicated by the drainage consultants' designs.

Table 6.33: Soakaway location information

Test Pit ID	Location	Current Surface Level	Proposed Invert Level	Strata at invert level
SA1	Rain Garden 1	34.35mAOD	33.13mAOD	Made ground (Demolition type fill material held in Sand and Gravel matrix with frequent semi-intact brick inclusions)
SA2	Rain Garden 2	34.49mAOD	32.54mAOD	
SA3*	Rain Garden 3	33.18mAOD	34.06mAOD	Sandstone bedrock

* Proposed invert level for SA3 is above that of existing ground level, test taken at base of existing concrete floor slab within Sandstone bedrock

Test Method & Results

6.7.2 Tests pits were excavated on 25th and 26th November 2020 in accordance with the BRE 365. Pits were excavated to indicated to indicated invert levels and filled with water from a bowser 3 times with observations made on resting water levels. Each test successfully drained away within 30minutes for SA1 and SA2 to reach less than 90% volume, with slower rates shown in SA3 (contained within natural bedrock), averaging 90minutes.

6.7.3 Measurements of pit dimensions was taken prior to commencement of each test with water levels recorded, and at regular intervals throughout. A copy of the results from these measurements (including pit dimensions) has been provided within Appendix B. Further discussion regarding contamination can be found in Section 8.6.

6.7.4 The rates of infiltration at the proposed invert levels are as follows:

- SA1: 4.542 x 10^{-4} m/s
- SA2: 1.486 x 10^{-4} m/s
- SA3: 2.486 x 10^{-5} m/s

7.0 Laboratory Testing

7.0.1 To establish the physical and chemical properties of underlying soils, a programme of laboratory analysis was completed utilising samples obtained during site investigation works. This analysis comprised the testing of soil samples to assist with the estimation of risks posed by contaminated land related concerns.

Chemical Testing

7.0.2 RºC Consulting submitted a total of 150 soil and 15 water samples to a UKAS accredited testing facility for analysis against a range of determinands synonymous with the site's former industrial activity.

Determinands	No. of Tests
Soil	
Toxic and phytotoxic metals and metalloids	152
Total & Speciated Polycyclic Aromatic Hydrocarbons (PAH),	152
Total & Speciated Petroleum Hydrocarbons (TPH CWG)	81
Other inorganic substances (e.g. Sulphate, Cyanide etc)	152
Asbestos ID	153
VOC & SVOC's	8
Water Soluble Sulphate & pH	152
Leachate	
Toxic and phytotoxic metals and metalloids	32
Total & Speciated Polycyclic Aromatic Hydrocarbons (PAH),	32
Total & Speciated Petroleum Hydrocarbons (TPH CWG)	32
PCB EC7	24
Other inorganic substances (e.g. Sulphate, Cyanide etc)	32
Water	
Toxic and phytotoxic metals and metalloids	27
Total Polycyclic Aromatic Hydrocarbons (PAH),	27
Total & Speciated Petroleum Hydrocarbons (TPH CWG)	27
Water Soluble Sulphate & pH	27

7.0.3 A photo-ionisation detector was employed to screen for presence of volatile compounds within soil samples. Results have been given on borehole logs provided within Appendix B. Copies of chemical testing results have been provided within Appendix C.

Geotechnical Testing

7.0.4 A programme of geotechnical laboratory analysis was also completed on tub and undisturbed soil samples obtained during site investigation works.

Plasticity Index

7.0.5 A total of 7 soil samples were tested for the determination of the glacial clays plasticity index. The depth range of samples tested varied from 0.45 to 3.00m with a mean depth of 1.70mbgl. The plasticity index range varied between 10 and 18% with a mean value of 13.70%. These results indicate clays to be of a low plastic nature.

Undrained Shear Strength

7.0.6 A single glacial clay sample was tested for the determination of undrained shear strength from a depth of 3.00 – 3.50m. Resulting shear strength was indicated to be 31kPa (low strength).

Particle Size Distribution

7.0.7 A total of 27 bulk samples were subject to particle size distribution testing to confirm their principal constituent parts. Results from these tests indicate granular deposits are between 0.0 and 43.6% cobbles, 0.3 and 64.4% gravel, 13.3 and 62.9% sand and between 1.9 and 85.1% silt and clay.

Compaction Testing (2.5kg)

7.0.8 A total of 13 bulk samples of granular material were subject to compactions testing to establish the relationship between dry density and moisture content for a given degree of compactive effort. Results from these tests indicate a maximum dry density between 1.62 and 2.15 mg/m^3 and optimum moisture content between 7.6% and 16.5%

7.0.9 Results from geotechnical laboratory testing have been provided within Appendix D.

8.0 Geo-Environmental Assessment

8.0.1 The information obtained during the desk-based study has been reviewed to establish the Preliminary Conceptual Model for the site. This model is based around the Source / Pathway / Receptor methodology as outlined in Figure 8.0.

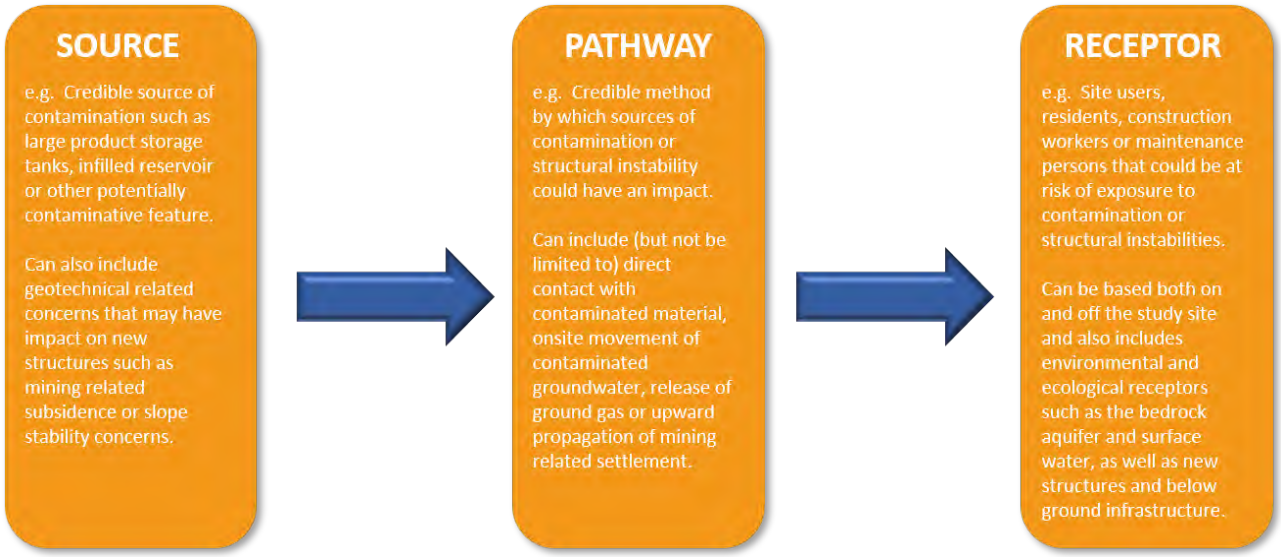


Figure 8.0 Source Pathway Receptor Diagram

8.0.2 Risk assessment is the process of collating known information on a hazard or set hazards in order to establish actual or potential risks to receptors. The receptor may be human health, controlled waters, a sensitive local ecosystem or even construction materials. Receptors can be connected with the hazard under consideration via one or several exposure pathways (e.g. the pathway of direct skin contact and oral exposure).

8.0.3 Risks are generally managed by isolating or removing the hazard, isolating the receptor, or by intercepting the exposure pathway. Without the three essential components of a source (hazard), pathway and receptor, there is deemed to be no risk. In other words, the mere presence of a hazard at a site does not mean that there will necessarily be risks.

8.0.4 A CLEA CLR 8 provides a selection of contaminants that may be relevant for the assessment of contaminated land, based on site usage, because they are likely to be found on a large number of industrial sites in the UK and have the potential to affect human health and the environment. The CLEA CLR 8 documentation, along with other relevant guidance, forms the basis against which the site has been assessed.

8.0.5 A Preliminary desk-based risk assessment has been completed for the site utilising the current and historical environmental information available (refer to Buro Happold report ref: 035548). This report formed the basis from which the current programme of ground investigations was designed and undertaken.

8.0.6 The results from these intrusive site investigations have allowed a geo-environmental risk assessment to be completed in accordance with the guidelines and principals of the Environment Agency CLEA Methodology and with reference to the guidance outlined within CIRIA 552 "Contaminated land risk assessment. A good practise guide". This risk assessment methodology considers the potential consequence / severity of risks that may be present within soils in comparison with the likelihood of exposure to or and occurrence of said risk.

8.0.7 A range of risk classifications are provided within CIRIA 552 further details of which are provided in Table 8.0 below.

Table 8.0: Definition of Risk Class and Consequence.

Risk Class	Definition	Example
Minor	Potential for harm, although not significant, which may result in financial loss to resolve. Ground conditions where the use of PPE would readily mitigate risks posed to human health.	Low level contamination hotspots within made ground / demolition fill materials. Stunted or impeded plant growth due to poor soil quality.
Mild	Pollution of non-sensitive water resources or damage to crops, plant growth, below ground utilities or structures.	Perched groundwater contamination overlying low permeability aquifer or aggressive sulphate concentrations in soils.
Medium	Sources of contamination identified on site have the potential to cause both long and short term health effects on site residents / users. Alternatively (or in conjunction with) sources of contamination may have the potential to impact surface or groundwater quality or impede vegetation growth	Elevated concentrations of hydrocarbon contamination reported within topsoil tested within residential gardens as a result of inadequate or incomplete previous remediation works. Movement of contaminated groundwater from leaking below ground storage tank into adjacent surface water course.
Severe	Sources of contamination pose a credible and acute risk to human health with potential for "Significant Harm" occurring as defined by the Part IIA of the Environmental Protection Act (1990). Alternatively (or in conjunction with risks posed to human health) sources of contamination may pose an immediate risk to controlled water resources or ecosystems.	Grossly contaminated soils are encountered or disturbed during excavation works, causing an immediate release of toxic soil vapour and leachate / contaminated groundwater flow across adjacent land.

8.0.8 As previously discussed the contaminated land risk assessment model evaluates both the severity of risks that may be present within soils / groundwaters in the context of threats posed to identified receptors before deriving the actual risk rating based on the probability of occurrence. Table 8.1 (provided overleaf) outlines the range likelihood of risk.

Table 8.1: Probability Assessment

Classification	Definition
High likelihood	A credible pollutant linkage has been identified and it is very likely contaminants will impact identified receptors in both the short or long term (or is already actively doing so). The potential for harm to be caused is thus highly likely.
Likely	Pollutant linkages between the sources of contamination and identified receptors are present and it is considered likely they will become active given the right set of circumstances (e.g. contaminants currently buried below ground that are likely to be exposed or disturbed during construction / excavation works. The circumstances are such that an event is not inevitable, however, it is possible in the short term and likely over the longer term.
Low likelihood	A theoretical pollutant linkage has been identified that has the potential to exposure receptors to contaminates under the correct circumstances. However, the likelihood of such an event occurring is not a certainty, even in the long term
Unlikely	There is no / minimal likelihood a pollutant linkage would occur, even over the long term.

8.0.9 The risk assessment process is a combination of probability and consequence, recognising that it may be possible to have a significant source of contamination beneath a site (such as a large below ground chemical storage tank) that may only present a relatively moderate to low risk (owing to the fact it may be contained within a secure concrete bund). Table 8.2 indicates how the actual nature of risk is established with Table 8.3 illustrating how the risk is interpreted in the context of contaminated land risk assessment.

Table 8.2: Risk Definition

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk
	Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate / Low Risk	Low Risk	Very Low Risk	

Table 8.3: Description of risks posed

Risk Definition	Description
Very High	Active pollutant linkages between a significant source of contamination and identified receptors have been establish and there is a high likelihood of severe harm occurring to said receptors unless immediate investigation and remediation action is not taken.
High Risk	Harm is likely to arise to receptors from an identified hazard in the short and long term. Urgent investigation of the contaminant issue will be required, and remedial treatment is likely.
Moderate Risk	The possibility of harm has been identified toward receptors under the right circumstances, although the severity of harm would be relatively mild. Further investigation of identified issues would be prudent and possible need for remedial measures in the long term.
Low Risk	It is possible harm could arise to a designated receptor from identified hazard, but it is likely (if realised) any harm would be (at worst) mild.
Very Low Risk	No significant pollutant linkages have been identified and the possibly of harm occurring to receptors is low.

8.0.10 A geo-environmental risk assessment has been completed to quantify the risks posed to identified receptors (as outlined in the preliminary site conceptual model) using the information obtained during site investigation fieldworks. Broadly speaking, this risk assessment process can be divided based on the receptor group in question between:

1) Risks posed to human health by soil contamination (both construction persons and future site users).

2) Risks posed to human health by hazardous ground gas ingress (both construction persons and future site users).

3) Risks posed to controlled waters by soil or groundwater contamination (both surface water features and bedrock aquifers).

4) Risks posed to new building construction by aggressive ground conditions (namely elevated sulphate concentrations).

8.0.11 It is noted the site is being developed for use as a public park circa 2.4ha in area. The associated enabling works comprise the phased demolition and site clearance, earthworks including reprofiling and construction of retaining walls for the land bounded by the Mayfield Depot to the north, Baring Street to the west, Hoyle Street to the east, and the Mancunian Way to the south.

8.0.12 Appropriate assessment have been completed for each of the above utilising the latest statutory and non-statutory guidance documents; for details of risks posed to human health refer to Section 8.1 (soils) and Section 8.2 (ground gas), for details of risks posed to controlled waters refer to Section 8.3 and risks posed to new structures refer to Section 8.4.

8.1 Assessment of Soil Contamination

8.1.1 In order to estimate the risks posed to human health from soil contamination, a quantitative risk assessment has been completed utilising the latest Environment Agency CLEA methodology. The assessment utilises the chemical testing results obtained during the site investigation fieldworks to characterise site conditions and facilitate the completion of the risk assessment process.

8.1.2 The assessment is based on the comparison of soil chemical testing results with published Environment Agency Category Four Screening Levels (C4SL's) under the proposed end use scenario to determine the sites suitability for use. C4SL values represent the highest acceptable values for contaminants within site soils under the proposed end use and are derived using the Environment Agency CLEA risk assessment methodology. A result in exceedance of a C4SL level may indicate the presence of contaminants within site soils and require further assessment.

8.1.3 It is noted only a limited number of C4SL values have been derived by the Environment Agency for use and reference has been made to LQM/CIEH Suitable For Use Values (S4UL's) for a wider range of other contaminants (Heavy Metals, Poly Aromatic Hydrocarbons, TPH, SVOC and VOC's) to increase the depth and robustness of our assessment.

8.1.4 Chemical testing results are compared against C4SL and S4UL values for each determinant with any results reported in exceedance of screening criteria identified and their significance reviewed. When determining the significance of any exceedances within the dataset the magnitude and frequency of the exceedance need to be taken into account, for example, a single exceedance of a screening value may be considered a localised hotspot whereas consistently elevated levels of a substance at multiple locations across the site may indicate a more prevalent contamination issue.

8.1.5 In addition to this assessment, an Asbestos Identification test (via the visual inspection method) has been completed on all samples of made ground obtained during the investigation to determine risks posed. Any positive occurrences of Asbestos will be subject to quantification analysis to further assess the extent and significance of risks posed.

8.1.6 As required, for each exceedance reference will be made to the Conceptual Site Model to establish the most likely source of contaminants and initial commentary given as to the likely scope of remedial measures. In addition, reference will also be made to the assumptions used to derive generic assessment criteria (C4SL and S4UL values) to determine their comparability with the proposed end use.

8.1.7 For the purposes of this assessment we have assumed a "Public Open Space - Park" end use scenario when reviewing chemical testing data against C4SL / S4UL values; a "worst case" Soil Organic Matter content value of 1% has been assumed for the initial assessment.

8.1.8 Results from chemical testing analysis indicate the following sources of contamination within site soils when screened against a Public Open Space (Park) end-use scenario:

BH ID	Depth (m)	Determinant/s Exceeded
Zone 1 "Lawns" : Park Lawns		
WS304	1.20 – 1.40	Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Chrysene Dibenzo(ah)anthracene
BH301	0.60	Lead
WS303	1.20 – 1.60	Arsenic
WS309	0.60 – 0.70	Arsenic
WS306	1.30 – 1.50	Arsenic
WS317	1.50 – 1.80	Arsenic
TP311	1.50	Arsenic Lead
	2.00	Arsenic
PH302	0.40	Arsenic Lead
WS310	0.80 – 1.00	Lead
SP4	0.20	Lead
TP310	0.60	Lead
	1.50	Arsenic Lead Mercury
Zone 3 "Multi Use Game Area" : MUGA		
TP305	0.50	Lead
WS323	2.20 – 2.50	Lead
PH314	0.20	Lead Dibenzo(ah)anthracene
Zone 4 "South West Park Area" : South West Park		
PH307	1.30 – 1.40	Lead
PH303	4.40 – 4.70	Arsenic
PH309	1.30 – 1.40	Benzo(a)pyrene Benzo(b)fluoranthene Dibenzo(ah)anthracene
BH109a	1.00	Lead
BH110	1.50	Arsenic
Zone 5 "Hoyle Street West"		
TP403	2.00	Lead
TP404	2.50	Benzo(a)pyrene Benzo(b)fluoranthene Dibenzo(ah)anthracene
WS408	0.40	Lead
Plot O + N		
BH106	1.00	Dibenzo(ah)anthracene
TP103	0.50	Lead
	1.20	Lead
TT02	0.60	Arsenic
TP102	1.80	Lead
SP1	0.20	Benzo(a)pyrene Benzo(b)fluoranthene Dibenzo(ah)anthracene
SP2	0.20	Benzo(a)pyrene Benzo(b)fluoranthene Dibenzo(ah)anthracene

8.1.9 Asbestos and asbestos containing materials were identified at numerous locations as detailed below

BH ID	Depth (m)	Type, matrix and quantity in soil
Zone 1 "Lawns" : Park Lawns		
PH302	0.40	Chrysotile, cement
TR1	1.00	Chrysotile, loose fibres, <0.001%
SA1	1.25	Chrysotile, loose fibres, <0.001%
Zone 2 "Wild-scape Area" : Southern Park		
WS321	0.20 – 0.30	Chrysotile, loose fibres, 0.001%
WS302	0.40 – 0.50	Amosite, loose fibres, 0.002%
WS320	0.20 – 0.30	Chrysotile, loose fibres, <0.001%
WS319	0.40 – 0.50	Chrysotile, loose fibres, 0.154%
TT103	0.60	Amosite & Amosite, loose fibres
Zone 3 "Multi Use Game Area" : MUGA		
TP304	0.50	Chrysotile, loose fibres, <0.001%
TP305	0.50	Chrysotile, loose fibres, <0.001%
WS324	0.20 – 0.30	Chrysotile, bitumen product, 0.03%
TP303	0.40	Amosite, loose fibres, <0.001%
PH314	0.20	Amosite, loose fibres, <0.001%
Zone 4 "South West Park		
PH309	0.30 – 0.50	Chrysotile, loose fibres, <0.001%
	1.30 – 1.40	Chrysotile, loose fibres and cement, 0.062%
BH109a	1.00	Chrysotile, loose fibres, <0.001%
Plots O+N		
TT03	0.80	Chrysotile, loose fibres
	1.50	Chrysotile, cement 15%
	1.80	Chrysotile, loose fibres
TT02	0.60	Chrysotile, loose fibres
	2.00	Chrysotile, loose fibres
TT01	1.80	Chrysotile, cement, 15%
Zone 5 "Hoyle Street West"		
BH401	1.00	Chrysotile, cement, 0.465%
WS401	0.50	Chrysotile, loose fibres
WS408	0.40	Amosite and chrysotile, board and loose fibres, 0.015%
WS404	0.40 – 0.50	Amosite and Chrysotile, loose fibres, <0.001%
TP407	1.00	Amosite, Loose fibres and board, 0.016%
	2.00	Amosite, loose fibres, 0.005%
TP405	0.50	Chrysotile, loose fibres, <0.001%
TP402a	1.00	Chrysotile, loose fibres, 0.003%
TP401	2.00	Amosite and Chrysotile, board and loose fibres, <0.001%

8.1.10 In addition to the above, elevated concentrations of petroleum hydrocarbons were noted at numerous locations however were not found to be in exceedance of screening criteria. Locations where hydrocarbons were identified in soil where TPH concentrations exceeded 100mg/kg are provided in the below table (as they indicate anecdotal evidence of hydrocarbon impact).

BH ID	Depth (m)	TPH concentration (mg/kg)
Zone 1 "Lawns" : Park Lawns		
WS304	1.20 – 1.40	11,000
	2.20 – 2.50	1,300
TP311	1.50	103
WS317	0.30	130
	1.50 – 1.80	195
WS307	0.85	769
TR1	1.00	2750
PH302	0.40	856
Zone 2 "Wild-scape Areas"		
TP308	0.50	792
PH313	1.40 – 1.80	200
Zone 3 "Multi Use Game Area"		
WS324	0.60 – 0.70	1080
WS323	0.30 – 0.40	2830
BH302	1.50	1750
TP301	0.50	288
TP303	1.20	12500
TP304	0.50	3000
TP305	0.50	1200
TP305	1.20	1290
WS331	0.20	136
WS326	0.40	823
PH314	0.20	2540
Zone 4 "South West Park Area"		
WS316	0.30 – 0.50	120
PH301a	0.50	723
PH307	0.50 – 0.70	101
PH311	0.40 – 0.55	14,700
Zone 5 "Hoyle Street West"		
BH401	1.00	279
BH402	0.50	935
WS404	0.40 – 0.50	7,680
TP407	1.00	226
TP403	2.00	42,800
WS408	0.40	200
WS401	3.30 – 3.70	5,080

Plots O+N		
BH106	1.00	1580
TP103	1.20	191
TT03	1.80	448
TT02	2.00	226
TP101	1.20	1130
TP102	0.80	118
TT01	0.50	286
SP1	0.20	3,480
SP2	0.20	3,040
SP4	0.20	140
Other		
Riverbed 2	N/A	155

8.1.11 Additional sampling undertaken post-demolition of Dirt Factory (TT101-TT104) show the concentrations to below the POS screening criteria, with exception to trace asbestos fibres detected in TT103.

8.1.12 In addition to the above, whilst falling outside of the proposed park demise, the specific risks posed by Tannery operations formerly located to the central southern portion of the wider SRF masterplan have been further considered. A technical note on this issue (TN1.1) has been prepared and is provided within Appendix G of the current report.

8.1.13 Whilst the likelihood of encountering Tannery wastes (with associated risks from biological contamination) is likely to be low, a number of mitigation measures are proposed to reduce risks posed. It is considered construction operatives are most at risk of exposure to any Tannery waste during earthwork operations in and adjacent the former Tannery site. The majority of the historic Tannery operation was located within the proposed Plot M office and similar mitigation measures will be required in this area during future construction works.

8.1.14 In addition to sources of contamination on site the presence of offsite sources of contamination have been identified relating to the former operations in the Freight Island event space to the north and west of the proposed park. Records indicate this area formerly contained a petrol filling station associated with the former Mayfield Depot railway operation including several below ground fuel storage tanks.

8.1.15 A program of targeted ground investigation works was completed by RoC Consulting across this portion of the site in January 2021 to assess the potential for on site contaminant migration toward the proposed Park. Ground investigation failed to reveal any significant plume of TPH contamination within soils, although localised hotspots were noted in the footprint of former below ground storage tanks. Similarly, no TPH impacts were noted in groundwater sampling down gradient of the Freight Island site within the proposed Park (or during any boreholes or trial pits formed along this boundary. As such it is considered unlikely the site is at risk from contamination arising from this off site source.

8.1.16 The findings of the above have been used to update the Refined Conceptual Site Model (provided within Section 9.0) as well as inform the scope of any further investigation or remedial works deemed necessary to support the sites development.

8.2 Ground Gas Risk Assessment

8.2.1 The Preliminary Conceptual Site model identified the decay of organic material within Made Ground as being a potential source of ground gas generation. The site is not said to be located within in an area at risk from Radon gas ingress.

8.2.2 With reference to the proposed development layout the only internal or confined spaces still present on site following completion of the park construction will be around a small existing building within the former City Excavations yard (Zone 3 MUGA). On this portion of the site the existing site weigh bridge is to be retained and converted for use as a park office / maintenance building. Away from these risks, it is considered the most probable exposure pathways are likely to be limited to construction workers during the sites redevelopment and future site users occupying any buildings across the site. In areas of public open space the risk is considered to be negligible due to lack of confined spaces.

8.2.3 To estimate the risks posed by ground gas generation a total of 27 boreholes (including those as part of previous investigations) were installed with gas monitoring wells across the site. The purpose of these standpipes is to investigate ground gas generation potential of shallow and at depth soils and the associated implications this may have for new building design.

8.2.4 A total of four ground gas monitoring visits have been completed on site during varying weather conditions and atmospheric pressure, including atmospheric pressures below 1000atm (refer to Appendix E for further information).

8.2.5 The results from these monitoring works revealed a maximum Carbon Dioxide concentration of 9.2% with peak gas flow rates ranging between 0.0 and 3.9 l/hr. Steady gas flow rates were recorded as 0.0 l/hr across all locations during all visits. Marginal concentrations of methane (0.1 and 0.3%) were recorded at WS323 only during two visits. All other methane readings were 0.0 l/hr. The results also indicated depleted oxygen levels within monitoring wells and an absence of carbon monoxide and hydrogen sulphide gases.

8.2.6 With reference to guidance provided in CIRIA C665 "*Assessing risks posed by hazardous ground gases to buildings*" and assuming the development comprises Public Open Space; the above-mentioned worst case gas levels and borehole flow rates equate to a gas screening value of 0.00092 l/hr with CO2 concentrations above 5%. Given the site primary use as public open space, there is considered to be negligible risk to future site users due to the lack of confined spaces and no remedial measures are required in areas of park.

8.2.7 The proposed MUGA includes the retaining of the existing small brick structure for future maintenance and commercial led uses. A total of 5 monitoring wells in the area of the retained structure show elevated carbon dioxide (maximum of 9.2%), marginal methane concentrations (0.3%) and depleted oxygen levels in three locations, with consistent 0.0l/hr flow rate. This corresponds to a Characteristic 1 Situation, although it is noted peak Carbon Dioxide levels exceed the 5% threshold and that further consideration should be given to increase the classification toward CS2.

8.2.8 Having considered the gas regime further in the context of future proposed end uses for the building we do not feel any increase is warranted, owing to an absence of site wide elevations of ground gas in this area and negligible flow rates. As such we do not consider there is justification to employ a Characteristic Situation 2 classification (with associated gas protection measures required).

8.2.9 It is noted the building falls in relatively close proximity to a known plume of TPH contamination (situated to the south in the adjacent City Excavations yard area). Whilst this plume could present a source of soil vapour ingress this area will require remediation (via source removal and disposal of hydrocarbon impacted soils / ground water) for the protection of the controlled waters. As such it is considered unlikely the building will be at risk of gas vapour ingress post completion of remediation works.

8.3 Controlled Waters

8.3.1 It is understood the site is underlain by a Principal Aquifer and is not said to be located within any Environment Agency Zone source protection zones or in close proximity to sensitive groundwater abstraction boreholes. The nearest surface water feature is indicated on site in the form of the River Medlock and is considered to be at risk of contaminant migration from the study site.

8.3.2 Site investigation works have revealed hotspots of heavy metal and PAH contamination within made ground materials. The contamination appears to have arisen from historical site operations and use of demolition materials / ash fill beneath the site. The distribution of hotspots is largely at random across the site. A more defined area of hydrocarbon impacted soils in the area to the north east around the former City Excavations yard (Proposed MUGA) and a plume of TPH contamination impacting soils at the horizon of natural material in the area of a historical above ground fuel tank in Zone 5 (Hoyle Street West; TP409) migrating to the west (WS401, RO107).

8.3.3 Initial groundwater level monitoring, completed in 2020, indicated groundwater levels between 3.40 and 5.40mbgl (30.17 and 33.81mAOD). Outside of Plots O+N, groundwater was only encountered at BH301 at depths of 4.10mbgl (30.90mAOD). Where groundwater was encountered, it was recorded as a perched water table within Made Ground deposits, and within natural granular river deposits / alluvium (area in close proximity to river walls) and within the sandstone bedrock (principal aquifer). Subsequent formation of deeper boreholes and monitoring wells sealed into the Sandstone bedrock aquifer across the park has revealed a water table around a similar level with a relatively flat gradient and locally influenced by flows within the adjacent River Medlock.

Preliminary Groundwater Analysis

8.3.4 A preliminary risk assessment has been completed on both soil-leachate and groundwater samples obtained during the initial site investigation. Groundwater samples (where obtained), surface water samples and leachate analysis of soil samples have been screened against either the UK Drinking Water Standards, EQS Freshwater standards or the WHO Drinking Water Standards. Surface water samples obtained from the River Medlock were sampled at up-stream, mid-stream and down-stream points to the site.

8.3.5 A review of groundwater and leachate analysis indicates a theoretical risk to controlled waters at the site from a range of contaminants including heavy metals comprising Arsenic and Chromium, PAHs and TPH. Exceedances of Chromium were recorded in leachate analysis only and at three locations.

8.3.6 A review of exceedances by Arsenic indicates that 7 of the 11 exceedances recorded were of the same order of magnitude to the screening values. Four locations were identified as having significantly elevated Arsenic concentrations comprising BH110 (groundwater), TP311, PH303 and PH304 (leachate analysis).

8.3.7 Exceedances of numerous PAH was recorded within leachate analysis; however these were typically marginal exceedances. However, leachate analysis at WS401 at 3.30 – 3.70m revealed exceedances an order of magnitude greater than the screening values for numerous compounds comprising anthracene, fluoranthene and naphthalene.

8.3.8 Exceedances of banded TPH was noted in leachate analysis at three locations specifically WS401, WS404 and TP303. At these locations high in-soil concentrations of TPH were reported alongside visual and olfactory evidence of hydrocarbon contamination.

8.3.9 Exceedances of PAH comprising anthracene, fluoranthene and benzo(a)pyrene and numerous banded TPH fractions was reported in groundwater samples at a single location only (WS328) within Zone 1. Visual and olfactory evidence of hydrocarbon contamination was noted at this location within Made Ground and extending to the underlying natural strata. Exceedances of PAH or TPH were not recorded within any other groundwater samples during the initial round of sampling.

Table 8.1 : Leachate Analysis – Surface Water Risks

Contaminant	Screening Criteria Value	Range of Exceedances		Number of Exceedances	
		Leachate Analysis	Groundwater Analysis	Leachate Analysis	Groundwater Analysis
Sulphate	250mg/kg*	501 – 1600mg/kg		5	
Arsenic	10* and 50**	11 - 2930	60 - 597	9	2
Chromium	50* and 8.1**	67 - 124		3	
Anthracene	0.1**	0.13 – 15.7	1.34	3	1
Benzo(a)pyrene	0.01* and 0.00017**	0.09 – 0.14	1.49	3	1
Fluoranthene	0.0063**	0.02 – 6.38	2.50	12	1
Naphthalene	2**	2.62 – 19.9		3	
Sum of benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, Indeno(123cd)pyrene	0.1*	0.3 – 0.42		3	
Aliphatic C8 – C10	300 (WHO)	6148		1	
Aliphatic C10 – C12	300 (WHO)	3225 - 12050	3400	2	1
Aliphatic C12 – C16	300 (WHO)	31240 - 27780	12000	2	1
Aliphatic C16 – C21	300 (WHO)		14000		1
Aliphatic C21 – C35	300 (WHO)		6800		1
Aromatic C8 – C10	300 (WHO)	2968		1	
Aromatic C10 – C12	90 (WHO)	1041 - 14800	1100	2	1
Aromatic C12 – C16	90 (WHO)	209 - 63710	5400	3	1
Aromatic C16 – C21	90 (WHO)	653 - 34100	11000	3	1
Aromatic C21 – C35			2500		1
Aromatic C35 -C44	90 (WHO)	311 - 1682		2	

*UK DWS criteria value **EQS Freshwater criteria value

2021 Additional Groundwater Investigation Update

8.3.10 The additional 2021 ground water investigation was completed to further understand groundwater flow of the deeper groundwater table. The groundwater levels across the site correlate with base levels of the river, showing ~20cm variations in areas immediately down-flow of the meander bends of the river channel, as shown on ES207 (Appendix A; RO102,106 & BH102). This indicates a hydrological connection to the River Medlock in these localised areas. Table 8.2 below indicates the average water depths from the 2021 monitoring.

Table 8.2: Average resting water level (2021)

BH ID	Average	
	mbgl	mAOD
RO101	4.65	29.98
RO102	3.57	30.71
RO103	3.95	30.47
RO104	5.94	30.39
RO105	8.82	30.23
RO106	3.60	30.57
RO107	7.16	30.16
BH102	2.64	30.56
BH108	4.77	29.95
BH110	4.89	30.45

8.3.11 The groundwater flow, contained within the bedrock, shows a relatively flat profile, resting between 29.95 to 30.71mAOD. This range of groundwater levels correlate with bed levels of river channel, suggesting that there is interchange between the river and the aquifer; with the groundwater table providing baseflow to the river when the river's levels are low and the river supplying groundwater when the river's levels are higher. This is evidenced further by the continuous monitoring data (refer to RoCPltd/4134-ROC-XX-XX-RP-ES-P2SI1) for BH110, showing a short lag time between increased rainfall events (rise in river levels) and rising of the groundwater table.

8.3.12 A localised rise in groundwater levels is noted in the centre of site (in areas immediately down gradient from the river meander bends) and becoming deeper towards the west of the site. This follows the general flow direction of the River Medlock (east to west).

8.3.13 It is apparent that some river wall structures are limiting the influence of the River on the water table, with RO105 showing deeper water level than its corresponding opposite location (RO104) and the presence of the culverted section of the river and deeper water level of RO101 suggests it is acting as a physical barrier. In the area of Plots O & N, the bedrock and water table dip to the southwest showing some variance to groundwater flow across the site. The effect of the river walls and breaking the linkage between the site and Medlock will vary along their length as they are all of differing age, condition and construction.

8.3.14 Comparing these water levels with the wider site monitoring, a total of x5 locations have been identified as to potentially being within the hydrological influence of from the River Medlock, immediately down-stream from the meanders in the river channel (RO106, RO102, RO103, BH102, BH110). It is considered that the physical barrier of the river walls limits the influence to an extent, but they are not considered totally impermeable. As these bends are located on the outside of river flow the associated hydraulic forces acting on the walls will be increased and will further promote potential interaction with the water table in the adjacent area.

8.3.15 There were no exceedances of any EQS Freshwater screening criteria noted within any of the upstream, mid-stream or downstream surface water samples obtained from the River Medlock, and. values for all TPH fractions and PAH compounds were reported to be below the limit of detection. Given that the surface water samples from the Medlock do not indicate a significant alteration in water quality, it is likely the assumption that groundwater is flowing vertically rather than horizontally beneath the site may be appropriate, with only soils that fall within close proximity the existing river walls likely to be interacting with the water table in the Medlock.

8.3.16 As there is no measurable impact to the River Medlock, protection of the principal aquifer is the key driver for remediation. However short-term risks exist with respect to controlling excavations, suspended solids and sediment rich run-off, which would be addressed in the Contractor's method statement.

8.3.17 To understand the risk to the Principal Aquifer, groundwater samples and leachate analysis of soil samples have been screened against the UK Drinking Water Standards or best nearest equivalent, as shown in table 8.3. Interim Level 1 Leachate Screening Criteria for Material Reuse, as agreed with the Environmental Agency in Technical Note 1.2, have been used in identified instances (ref: ROCPLtd/4153-ROC-XX-XX-RP-ES-TN1.2).

Table 8.3 Exceedances of DWS (or best nearest equivalent)

BH ID	Exceedances	Screening Criteria Value (µg/l)	Concentration of Exceeded Determinands (µg/l)	
			Leachate (Made Ground)	Groundwater
RO101	Arsenic Naphthalene	30* 0.075	83 0.48	14 0.01
RO102	Arsenic Selenium	30* 10	82.0 3	683 39
RO103	No Exceedances	-	-	-
RO104	Lead TPH: Aromatic >C12-C16	18* 90	61 No Exceedance	- 150
RO105	Benzo(a)pyrene	0.01*	0.02	-
RO106	Benzo(a)pyrene	0.01*	0.02	0.06
RO107	Naphthalene Total PAH (16MS) TPH: Aro >C5-C7 TPH: Aro >C10-C12 TPH: Aro >C12-C16 TPH: Aro >C16-C21	0.075 - 1.0 90 90 90	0.39 / 0.1 2.05 / 1.6 - - - -	8.27 13.6 3.0 321 513 251
BH102	Benzo(a)pyrene Benzo(b)fluoranthene	0.01* 0.1*	N/A	0.21 0.19
BH108	No Exceedances	-	N/A	-
BH110	Ammoniacal Nitrogen as N Arsenic Cyanide	339 30* 1.0	N/A	1180 940 60

* Interim Level 1 Leachate Screening Criteria for Material Reuse, Technical Note 1.2.

8.3.18 RO102, located within the identified contamination hotspot contained within Mayfield Park, encountered heavy Arsenic contamination within the bedrock water table. The low concentrations of arsenic at RO103 and RO101 indicate that the gross arsenic contamination is localised and has not migrated towards the river or impacted the wider groundwater table. A second arsenic hotspot was identified at BH110 and its localised surroundings, including PH303 (leachate), which correlates to the previous investigation findings.

8.3.19 Marginal exceedance of TPH Aromatic was detected within RO104, in the historical service yard, which correlates with the soil analysis for the wider area. The presence of alluvial clay in this area suggests potential for lateral migration as well as vertical migration of TPH contamination into the groundwater table.

8.3.20 The TPH hotspot identified within Zone 5 (Hoyle St West) from the historical above ground fuel tanks was encountered at the horizon of the sandstone in RO107 and visual and olfactory evidence indicated a black sheen and odour. Exceedances of Naphthalene and Aromatic TPH bands, associated with diesel and other fuels, indicates the contamination plume to be locally impacting the groundwater and is laterally migrating with the flow of water to the west. However, the impacts on water quality in the bedrock appear to be localised with no TPH contamination reported in down gradient boreholes BH102 and RO106.

8.3.21 Given the predominantly granular nature of Made Ground and natural deposits, it is apparent that vertical migration of contamination contained within the source material (made ground) has occurred and locally impacted the ground water table contained within the sandstone bedrock, however, there is potential for lateral migration at relatively shallow levels where alluvial clay is present. i.e. former service yard / proposed MUGA.

8.3.22 With reference to groundwater analysis from within the Principal Sandstone aquifer it is noted localised impacts in water quality have occurred. These impacts tend to occur in areas where known soil contamination hotspots are present (as shown in RoC Consulting drawings REM101 – 103) and likely arise through the vertical movement of contaminated groundwater and leachate. A site wide or significant ground contamination plume was not reported beneath the site, although the aforementioned localised impacts will require treatment via remedial works.

8.3.23 These remediation works, which are descried in detail in the Phase 3a Remediation Strategy for the Park will entail the source removal of more grossly contaminated soils and identified contamination hotspots. Where removed replacement fill material will need to be of a chemical composition that does not introduce any additional sources of contamination to site soils that could pose a risk to controlled waters. Similarly, any residual made ground material being left in situ beneath the park will require confirmation it does not contain any contamination hotspots. Further details of remedial requirements are provided in Section 9.1.

8.4 Below Ground Concrete Construction

8.4.1 Peak potential sulphate concentrations and pH values are highly variable across the site. Peak potential sulphate concentrations range between 10 and 1620 with soil pH values ranging between 1.94 and 11.80. It is noted that redevelopment proposals will include the bulk movement and potential movement of Made Ground at the site. It is recommended that further testing be completed at the proposed locations of below ground structures following bulk earthworks movements.

8.5 Below Ground Utilities and Service Runs

8.5.1 Elevated levels of PAH, TPH and other contaminants have been identified during the site investigations which poses a risk to drinking water supply pipes. However, it is noted that bulk earthworks and possible removal are required as part of the redevelopment and as such it is recommended further testing and a United Utilities Risk Assessment is completed along the proposed route of water supply pipes following bulk earthworks operations.

8.6 Soakaway Testing

Contamination Analysis

8.6.1 Soil samples were obtained at the base of each test pit for leachate analysis at a UKAS accredited chemical testing facility against a range of determinands synonymous with previous site operations (namely Heavy Metals, Total Petroleum Hydrocarbons and Poly Aromatic Hydrocarbons). The purpose of this testing was to establish the risks of increased contaminant mobility as a result of rainwater infiltration into soils in and around proposed soakaway locations.

8.6.2 Copies of laboratory testing certificates have been provided within Appendix C. Results indicate these soils contain elevated levels of heavy metals and PAH which could pose a risk to controlled waters, with exception to SA3.

8.6.3 In order to mitigate these risks, we would recommend consideration is given excavating and replacing soils at the base of soakaway pits until clean natural strata is encountered, and then backfilling pits to desired level with suitable permeable clean inert strata. The use of a liner system would also be prudent to seal the pit sites and prevent lateral mobilisation of contaminants the surrounding soils. Records from nearby exploratory borehole / trial pit locations indicate deeper ground conditions in the area of proposed rain gardens is as follows

- Rain Garden 1: Made ground overlying Sandstone bedrock at depth circa 1.5 to 2.0m (c32.97mAOD), based on nearby borehole “WS314”

- Rain Garden 2: Made ground overlying clayey silty fine to coarse sand at depth circa 1.5m (c32.92mAOD), based on nearby borehole “WS306”

8.6.4 In the area of Rain Garden 3 weathered Sandstone bedrock was reported at the base of the existing concrete floor slab and the need to adopt remedial measures in the construction of this pit is not considered justified, although any demolition type made ground materials encountered during the formation of the pit should be removed.

9.0 Refined Conceptual Site Model

9.0.1 The Environmental Protection Act Part IIA: 1990, defines contamination as land containing levels of contamination which form a risk to human health, controlled waters or other ecosystems. Therefore, contamination in exceedance of the relevant screening values is considered a source. Table 9.0 assesses and summarises the sources, pathways and receptors that may exist at the site, a visual representation of the issues raised below has been provided on drawing CS101 within Appendix A;

Table 9.0: Refined Conceptual Site Model

Table 9.0		Refined Conceptual Site Model					
Source		Pathway	Receptor	Severity	Probability	Risk definition	Comments
On Site	Heavy Metal, PAH, Asbestos and TPH contamination identified in site soils arising from previous industrial operations	Dermal contact and / or ingestion; inhalation of vapours / dusts	Current Site Users	Medium	Unlikely	Low	Current site users are not considered at risk from direct contact with contaminated site soils due to hardstanding across the majority of the site. Given the current site use, it is unlikely that current site users would come into contact with contaminated site soils for sustained periods of time.
			Construction workers	Medium	Likely	Moderate	It is considered the risks posed to construction personnel, by sources of contamination, can be adequately mitigated against via the use of full PPE and the adoption of good hygiene and site practices. * Appropriate personal ground gas detection equipment should be deployed by all site operatives when working in below ground or confined spaces.
			Future Site Users	Medium	Low	Low	The site is to be developed to comprise an area of Public Open Space. It is noted that a programme of earthworks are required to facilitate suitable levels and as results some Made Ground will be removed from site. Residual risks to future site users will remain and it is recommended that a 600mm clean soil capping is employed in all areas of landscaping, reducing risks toward park users to low.
			Ecological - Plant Uptake	Medium	Low	Low	Contaminants within site soils may contribute to poor plant health and are unlikely to provide a suitable growing medium. It is understood that clean soil capping layers (placed at extra depth in areas of tree planting) will provide a suitable growing medium for vegetation at the finished site.

Table 9.0		Refined Conceptual Site Model					
Source		Pathway	Receptor	Severity	Probability	Risk definition	Comments
On site	Heavy Metal, PAH and TPH leachate and groundwater contamination hotspots arising from previous industrial operations	Leaching of contaminated soil & impact beneath site	Controlled Waters: Aquifer	Medium	Unlikely	Moderate	A review of groundwater and leachate analysis indicates hotspots of contamination within Made Ground deposits are locally impacting groundwater quality. A relationship has been noted between in-soil concentrations and visual or olfactory evidence of contamination and the local impact on groundwater. As such, groundwater contamination is not considered to be a site wide issue. It is recommended that source removal of areas identified as being grossly contaminated is undertaken as part of the site's development which will improve local groundwater quality over time through natural attenuation processes. In addition, any site won made ground materials being retained insitu beneath the park area should be subject to appropriate validation testing to confirm no new sources of contamination are being introduced that could pose a risk to controlled waters.
			Controlled Waters: River Medlock	Medium	Unlikely	Low to Moderate	The permeable nature of soils and bedrock at depth and relatively flat topography of the site / bedrock is likely to promote vertical rather than horizontal flow paths, in areas of granular material, however there is potential for lateral migration in areas where alluvial clay is present (MUGA). This assumption is supported by the depth of groundwater within the bedrock monitoring wells (except those in close proximity to the Medlock or where confining lower permeability soils exist). There is no measurable impact on the River Medlock; with no exceedances of EGS freshwater values present. However, due consideration and mitigation of short term risks toward the Medlock during park construction works will be required by contractors, with respect to controlling excavations and preventing sediment rich run-off
			Adjacent Sites	Minor	Unlikely	Low	No sensitive groundwater uses have been identified at adjacent sites.

Table 9.0		Refined Conceptual Site Model					
Source		Pathway	Receptor	Severity	Probability	Risk definition	Comments
		Below ground service runs	Below ground infrastructure & construction	Medium	Likely	Moderate	Peak potential sulphate concentrations and pH values are highly variable across the site. It is recommended that further testing be completed at the proposed locations of below ground structures following bulk earthworks movements Elevated levels of PAH, TPH and other contaminants have been identified during the site investigations which poses a risk to drinking water supply quality. it is recommended further testing and a United Utilities Risk Assessment is completed along the proposed route of water supply pipes following bulk earthworks operations.
	Sediment rich surface water run off	Over land flow during periods of flooding / rainfall	River Medlock	Medium	Likely	Moderate	The management of surface water runoff and temporary flood water control will be critical during the construction process in order to prevent contamination of the River Medlock. This will include both surface water run off from areas of bare soils / material stock piles infiltrating existing drainage networks or directly entering the channel; or the flow of floodwaters during high flow events. Construction contractors will need to ensure adequate provision is made within their site operation to mitigate risks posed
	Ground Gas Generation	Migration / Accumulation	Current Site Users	Severe	Unlikely	Low - Moderate	Ground gas monitoring has revealed elevated CO2 levels at numerous locations at the site, an absence of maintained gas flow, carbon monoxide and hydrogen sulphide gases. Marginally elevated levels of methane gas was recorded at a single location. Given the current site use, site users are not considered to be at risk.
			Construction workers	Severe	Low	Low - Moderate	Construction workers are considered to be at risk when working in below ground excavations or confined spaces. It is recommended that personal gas detection equipment is used to mitigate this risk.
			Future Site Users	Severe	Unlikely	Low - Moderate	Areas of public open space are considered to low risk due to absence of confined spaces. A review of gas data in the area of the retained building in the proposed MUGA indicated there to be a low risk.

Table 9.0		Refined Conceptual Site Model					
Source		Pathway	Receptor	Severity	Probability	Risk definition	Comments
Off site	Potentially Contaminative Sources; namely former Petrol Filling Station operations and TPH contamination plume identified to south of Park	Leaching of contaminated soil onto site	Controlled Waters: Aquifer	Medium	Unlikely	Moderate	Ground investigation works across the adjacent Freight Island event space (former petrol filling station) have failed to reveal any significant plume of TPH contamination within soils. Similarly, no TPH impacts were noted in groundwater sampling down gradient of the Freight Island site within the proposed Park (or during any boreholes or trial pits formed along this boundary. As such it is considered unlikely the site is at risk from contamination arising from this off site source. A plume of TPH contamination was also identified to the south of the proposed Park (Zone 5)relating to a former above ground storage tank. The long term leakage of fuel oil was found to have impacted made ground and natural soils and also locally impacted water quality in the bedrock aquifer (e.g. RO107). The plume is well defined, and boreholes formed down gradient within the park did not show any TPH impacts, indicating the propagation of contaminants into the saturated zone of the Principal aquifer is localised.
			Controlled Waters: Surface Water	Medium	Unlikely	Moderate	
		Ground gas Migration / Accumulation	Construction workers	Severe	Unlikely	Low - Moderate	Appropriate personal ground gas detection equipment should be deployed by all site operatives when working in below ground or confined spaces.
			Future Site Users	Severe	Unlikely	Low - Moderate	No significant sources of off-site ground gas generation have been identified.

9.1 Preliminary Remedial and Earthworks Considerations

9.1.1 Re-appraisal and reassessment of the conceptual site model (following completion of investigation works) has revealed specific sources of contamination that may require specific remedial measures.

9.1.2 Risks to Human Health (both construction operatives and future site users) and controlled waters (River Medlock and Sandstone Aquifer) receptors have been identified. These risks include:

- A risk to human health from elevated heavy metals, PAH and asbestos within Made Ground;
- A risk to the River Medlock and bedrock Aquifer from elevated heavy metals, PAH and TPH;
- A risk to construction workers from contaminants within site soils including heavy metals. PAH, TPH and asbestos;
- Construction workers and future site users are at risk of hazardous ground gas accumulation within confined spaces;
- Foundations / below ground structures including utilities may be at risk of chemical attack from aggressive ground conditions; and,
- The River Medlock is at risk of contaminated surface water run-off during construction / earthworks movements

Human Health Remedial Measures

9.1.3 Elevated levels of contaminants have been identified within site soils that pose a risk to future site users. It is noted that development proposals comprise either a 650mm clean soil capping layer or hardstanding which is considered sufficient to break the exposure pathway and negate the risk to future site users.

9.1.4 Soils used in soft landscaping capping should be natural nonreworked origin and will be subject to a programme of chemical testing to confirm suitability for use in this context.

Controlled Waters

9.1.5 As discussed, a site wide issue relating to contaminated groundwater has not been identified during the site investigation. However, hotspots of contamination in soils have been identified as locally impacting groundwater quality, alongside heavy metal hotspots in portions of the Park. Two areas of TPH contamination have been identified within the Zone 3 MUGA area, and off site to the south of the park within the Zone 5 Hoyle Street West area. These hotspots will require removal and treatment as part of park construction works

9.1.6 It is noted that earthworks proposed as part of the development will likely remove some contaminated soils from site, thus reducing the risk. In addition, hotspots of contamination (PAH, TPH and heavy metals) as identified during site investigation, will require specific remedial measures comprising excavation to clean natural soils and disposal from site to ensure protection of local groundwater quality.

9.1.7 In addition areas of the site will require build-up to facilitate the proposed levels at the site. It is understood that the intention is to use site-won material for areas of fill. In addition to physical characterisations of soils, any site-won material will be subject to screening for chemical composition to ensure protection of human health and controlled waters at the site.

9.1.8 The management of surface water runoff and temporary flood water control will be critical during the construction process in order to prevent contamination of the River Medlock. This will include both surface water run-off from areas of bare soils / material stockpiles infiltrating existing drainage networks or directly entering the channel, or the flow of floodwaters during high flow events. Construction contractors will need to ensure adequate provision is made within their site operation to mitigate risks posed

General Remedial Comments

9.1.9 It is recommended all construction contractors take reasonable precautions to control environmental impacts that may occur as a result of redevelopment works with respect of soil and groundwater quality. These measures should include (and not be limited to):

1) Any sources of contamination uncovered during site development works should be brought to the immediate attention of RoC Consulting for consideration and comment. As required, the findings and recommendations of the current assessment may require amendment to reflect changes in site condition.

2) The operation of plant, refuelling facilities and general basement excavation works should include appropriate provision to reduce the risk of leakage / spillage, particularly into the site's groundwater table or exposed natural soils.

3) Appropriate dust mitigation measures should be deployed during basement excavation works, particularly when handling and excavating made ground deposits.

4) All excavated materials stockpiled should be periodically dampened down to control dust release. Similarly, the disposal of any material from site should be completed using covered wagons.

10.0 Geotechnical Assessment

Background Information

10.0.1 It is understood the site is to be redeveloped to comprise an area of public park with associated bridge structures, raised walkways, hard surfacing, jetties, retaining structures and repairs to the existing River Medlock Walls.

10.0.2 Site investigations have revealed variable depths of demolition type made ground materials underlie the proposed park to depths ranging between 0.3 and 5m (mean depth circa 1.8 to 2.0m). These soils were in turn underlain by a combination of poorly compacted Alluvial deposits (at the majority of exploratory hole locations), or the weathered fraction of the Sandstone Bedrock (locally toward the central and southern portion of the site.

10.0.3 The site will be subject to a cut / fill earthworks operation to adjust levels in accordance with design and flood mitigation requirements (further details within earthworks drawings provided in Appendix F of the current report). In general terms the levels will be reduced across the majority of the site, a comparison of site levels at exploratory hole locations vrs proposed formation indicates a mean reduction of circa 0.5m across the site; although local variance does occur with up to 2-3m being removed in areas where River Medlock walls are to be reduced.

10.0.4 The strata at anticipated formation level is likely to comprise demolition type fill material with frequent occurrences of intact / semi intact relic brick walls, basement floor slabs and other structures associated with previous phases of development across the site. A limited number of locations will expose the Sandstone bedrock at formation level (e.g., along the south bank of the Medlock in the area adjacent Plot M and across part of the Zone 2 “Wild-scape” zone); with others revealing Alluvial deposits (primarily comprising poorly compacted silty Sands).

10.0.5 Groundwater was encountered at depths ranging 30-30.75mAOD and should be anticipated in excavations during construction works at these depths.

10.1 Geotechnical Construction Considerations

10.1.1 It is not recommended new foundations for significant structures (e.g., Bridges, Jetties or large retaining walls) be constructed on top of made ground deposits. The variable composition and in situ strength of these materials is such that unacceptable levels of total and differential settlement will occur as a result.

10.1.2 A minimum CBR value of 5% will be required for all external surfacing areas (e.g. pavements, walkways etc) and it is recommended contractors complete confirmatory testing at formation level to properly characterise its strength. Where soils fall below this value treatment will be required to achieve the required CBR; where granular fill material is present in depths greater than 0.5m this treatment could take the form of rolling and compaction to consolidate soils, with levels restored to formation on completion and tested using suitable granular fill.

10.1.3 Where poorly compacted alluvial soils are present at formation level deposits should either be excavated and removed to underlying bedrock (where deposits are less than 0.5m) or subject to treatment via the installation of 200mm thick layers granular fill material that is well rolled and compacted.

10.1.4 At all locations the extent of any treated or replaced soils should be surveyed for inclusion within as built information. A detailed Earthworks Specification for the park development has been prepared by RoC Consulting (ref: 4153-ROC-XX-XX-SP-C-D20) and should be reviewed in conjunction with this assessment. All below ground structures during earthworks should be broken out and backfilled with compliant engineering fill to prevent localised hard spots and potential differential settlement.

10.1.5 With respect to more significant structures (large retaining structures, bridges, jetties etc; it is recommended these structures are founded within the underlying Sandstone Bedrock. An allowable bearing capacity of 500kN/m2 can be assumed for this stratum based on the assumption all foundations will be inspected prior to construction to confirm they are resting on the solid bedrock / very dense weathered fraction.

10.1.6 Although less desirable, the adoption of piled foundations may be required where structures fall in close proximity to existing river walls, buildings or other related infrastructure.

10.1.7 Peak potential sulphate concentrations and pH values are highly variable across the site. Peak potential sulphate concentrations range between 10 and 1620 with soil pH values ranging between 1.94 and 11.80. It is noted that redevelopment proposals will include the bulk movement and potential movement of Made Ground at the site. It is recommended that further testing be completed at the proposed locations of below ground structures following bulk earthworks movements.

10.2 General Comments

10.2.1 No entry should be permitted into excavations exceeding 1.2m depth without appropriate risk assessments, shoring and support. Whilst groundwater was not encountered in significant volumes during site investigation works the presence of a perched water table cannot be precluded. Appropriate provisions should be made to dewater excavations as and when required.

10.2.2 As previously discussed the control of surface waters from the site will need to be properly managed by contractors to ensure flows pass into the River Medlock, particularly from areas of bare soil or during periods of flood.

11.0 Conclusions & Recommendations

11.0.1 This report has been updated from its first revision, following comments from the Environment Agency and Manchester City Council. We have addressed these comments by completion of supplementary site investigations across the wider site, to support the assessment of controlled waters, and the previously restricted area within the Wild-scape area (Zone 2) / former Dirt Factory (as shown in RoC Consulting drawing ES200A). The site investigation undertaken is sufficient to inform the remediation strategy, with reference to section 11.0.10.

11.0.2 The site is to be redeveloped for use as public open space with the creation of a 2.4ha public park in Manchester City Centre.

11.0.3 Site investigations have revealed variable depths of demolition type made ground materials underlie the proposed park to depths ranging between 0.3 and 5m (mean depth circa 1.8 to 2.0m). These soils were in turn underlain by a combination of poorly compacted Alluvial deposits (at the majority of exploratory hole locations), or the weathered fraction of the Sandstone Bedrock (locally toward the central and southern portion of the site.

11.0.4 Numerous relic below ground structures were reported during site investigation works, subsequent more detailed investigations by Salford Archaeology has revealed a significant portion of previous buildings that were present on site remain in situ below ground level (Mayfield Dye Works, Ardwick Dye Works, Mayfield Baths etc).

11.0.5 Groundwater monitoring indicates a water table between 30-31mAOD, correlating with the bed levels of the river channel and showing a 0.2m variation in areas down-flow of the meander bends. This suggests there is interchange between the river and the aquifer. There is no measurable impact on the River Medlock from the site conditions.

11.0.6 The permeable nature of soils and bedrock at depth and relatively flat topography of the site / bedrock is likely to promote vertical rather than horizontal flow paths in areas of granular material, however there is potential for lateral migration in areas where alluvial clay is present (MUGA). Localised hotspots (shown on RoC Consulting drawing REM103) impacting groundwater through vertical migration were identified in area of RO102, RO104, RO107 and BH110. The contamination is localised in each area and not a site-wide issue and is a further indicator of limited connectivity to the river.

11.0.7 Chemical assessment of site soils has revealed sources of soil contamination when compared against a “Public Open Space - Park” end use scenario. Contamination broadly comprises elevated levels of heavy metals (primarily arsenic and lead) and numerous PAHs as “hotspots” within Made Ground soils (refer to RoC Consulting drawing REM101-102). Asbestos was also reported at multiple locations as loose fibres and asbestos containing materials. Localised hydrocarbon contamination was also noted to varying degrees however the soil concentrations were not found to be in exceedance of screening criteria. Due care and attention should be taken at all times when excavating site soils and any suspected sources of contamination identified brought to the immediate attention of RoC Consulting.

11.0.8 A programme of earthworks will be required at the site to facilitate proposed levels and some areas of contamination will likely be removed as a result. However, initial analysis indicates that some sources of contamination that may be locally impacting water quality will remain.

11.0.9 A Phase 3a Remediation Strategy will be required to provide further information on the range of remediation works required and associated soil screening criteria. This strategy should also specify the removal of any hotspots required for the protection of human health or controlled waters.

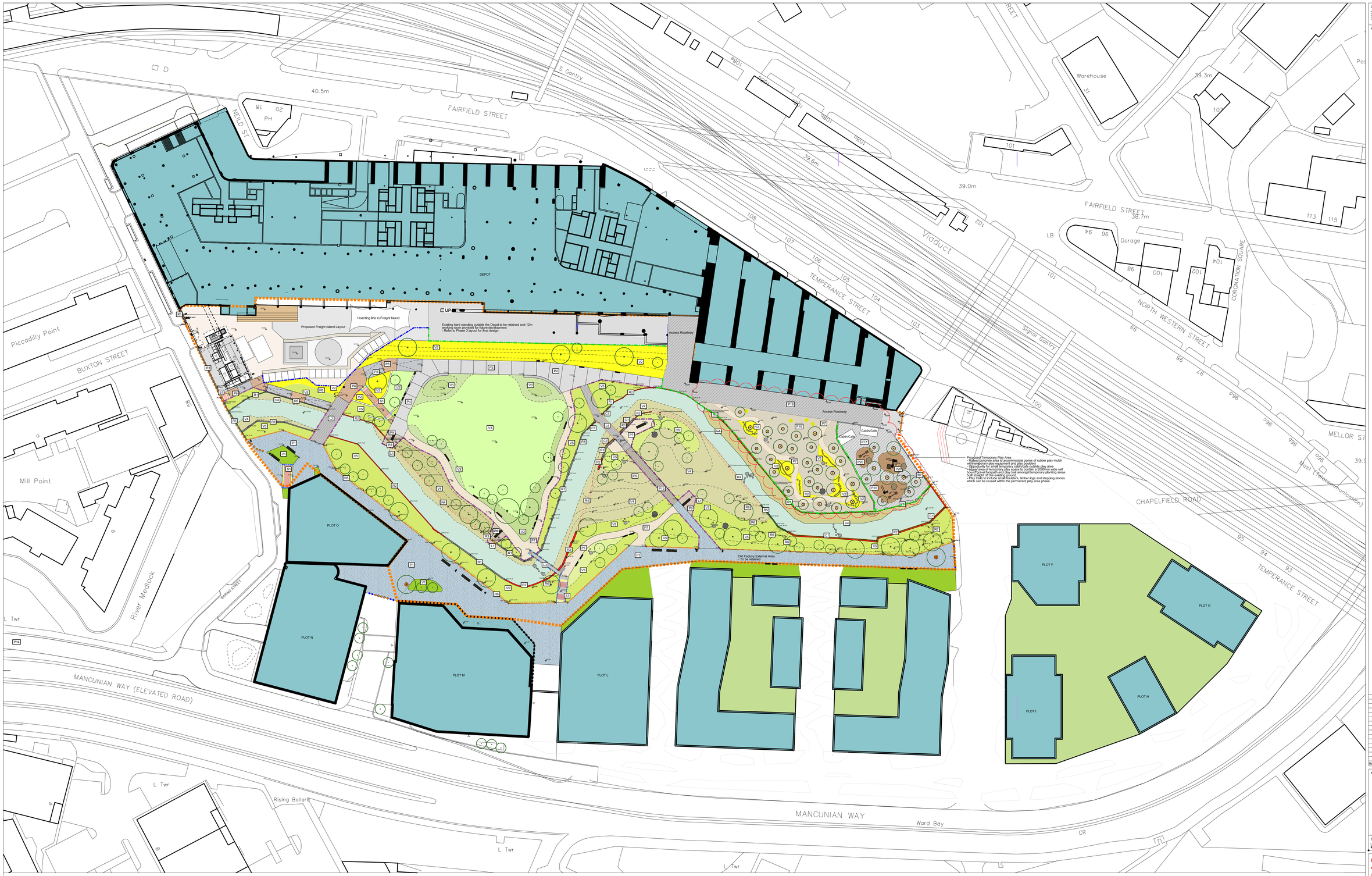
11.0.10 Ground gas monitoring indicates that the site is classified as a Characteristic Situation 2 due to elevated CO2 levels above 5%. However, in areas of Public Open Space this risk is eliminated by absence of enclosed spaces. Where buildings are proposed with Made Ground within the footprint, some remedial measures may be required to protect against ground gas ingress. For the existing building in MUGA being retained for commercial uses, gas data show negligible flow rate and as such is a Characteristic Situation 1.

11.0.11 A minimum 5% CBR value will be required at formation level for all new hard surfaced zones; as required the localised treatment, removal or improvement of soils may be required at locations to meet this criterion. Larger structural foundations should be formed within the underlying Sandstone bedrock, owing to the poorly compacted nature of made ground and shallow alluvial deposits.

11.0.12 As required, any suspected sources of contamination discovered during the site development (outside those discussed in this report) should be brought to the attention of RºC Consulting and their implications assessed. Depending on the extent and severity, the findings and assessment of the current study may require re-interpretation and a remediation strategy proposed to support the sites development.

11.0.13 Copies of the current report, along with the Phase 1 Desktop Study, should be submitted to the local planning authority for consideration and comment. As required, any feedback received from the local authority should be passed back to RºC Consulting for review.

APPENDIX A – SITE DRAWINGS



General Notes

Ayrshire Bervie Limited. This drawing should not be used to calculate areas for any purpose whatsoever. All dimensions are in millimetres and should be checked on site by the contractor and such dimensions to be their responsibility. Any discrepancies are to be brought to the attention of the architect's requirements. Drawing errors and omissions to be reported to the architect.

Notes

Rev	Date	Reason for Issue	Chk

Keyplan

Scale Bar

sew Studio Egret West

3 Shrewsbury Yard
Clerkenwell
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Client
Mayfield Partnership

Project
Mayfield Park

Drawing Title
Grant Aided Phase 1 - Site Overall GA

DRAFT

Project Number	Status
0345	For Information
Scale at A0	Date
1:500	07.07.20
Drawn by	Checked by
MA	SEW

Drawing Number: 0345-SEW-ZZ-00-SK-L-000111
Revision: 90

KEY

Boundaries
- Mayfield Park Boundary

Levels
- Existing level
- Proposed level
- Top of Wall level
- Bottom of Wall level

Paving Types

P1 Paving Type 01
Description: Clay Paving Bricks
Source: UK sourced from the stoke area for heritage continuity (Eg Ibstock Red Multi Stock Facing)
Finish: Diamond chequer square edged
Colour: Blue
Dimensions: 200 x 100 x 65mm
Laying pattern: stretcher bond
Bedding: Stainlec bedding sand and jointing sand, flexible 3mm butt joint, laid to falls
Edging: Kirkley Metal edge for lateral support
Subbase: design to accommodate Pedestrian and occasional maintenance traffic

P2 Paving Type 02
Description: In situ reinforced Concrete surface
Finish: Horse/fine brush finish
Movement joints: located approximately every 5m (to be aligned with architectural features)
Depth: 150mm (To Engineer's specification)
Colour: Integrated Grey
Edging: formwork removed, no edging necessary
Subbase: design to accommodate Vehicular, Servicing & Pedestrian traffic

P3 Paving Type 03
Description: In situ reinforced Concrete surface
Finish: Exposed aggregate
Movement joints: located approximately every 5m (to be aligned with architectural features)
Depth: 150mm (To Engineer's specification)
Colour: Integrated Grey
Edging: formwork removed, no edging necessary
Subbase: design to accommodate Vehicular, Servicing & Pedestrian traffic

P4 Paving Type 04
Description: In situ reinforced Concrete surface
Finish: Good quality brush and trowel finish Movement joints: located approximately every 5m (to be aligned with architectural features)
Depth: 150mm (To Engineer's specification)
Bedding: laid above a dpm
Edging: formwork removed, no edging necessary
Subbase: design to accommodate Vehicular, Servicing & Pedestrian traffic

P5 Paving Type 06
Description: Clay Paving Bricks
Source: UK sourced from the stoke area for heritage continuity (Eg Ibstock Brick or equal & approved)
Finish: Flat Rough
Colour: Red
Dimensions: 200 x 100 x 65mm
Laying pattern: stretcher bond
Bedding: Stainlec bedding sand and jointing sand, flexible 3mm butt joint, laid to falls
Edging: Kirkley Metal edge for lateral support
Subbase: design to accommodate Pedestrian and occasional maintenance traffic

P7 Paving Type 07
Description: Self binding gravel
Source: UK sourced (eg CED or equil and approved)
Aggregate size: 0-6mm
Depth: Compacted depth of 50mm
Colour: Integrated
Bedding: LateCover a membrane and within a stabilising mesh
Edging: Improved flood resilience and DDA trafficking
Edging: Kirkley Metal edge for lateral support
Subbase: design to accommodate Pedestrian traffic

P9 Paving Type 09
Description: Steel Grating
Source: UK sourced
Finish: To Engineer's specification
Colour: Weathered Steel
Finish: Pressure-welded slip resistant steel grating
Structure: To Engineer's specification

P13 Paving Type 13
Description: Timber Boardwalk
Finish: Natural Treated Timber
Accessories: Allowance for slip resistant strips
Structure: To Engineer's specification

Tactile Paving Type 01
Description: Tactile Hazard Warning Paving at the top and bottom of steps.
Finishes: Light Buff
Dimensions: 400mm x 400mm

P16 Paving Type 16
Description: Existing Tarmac
Notes: To be retained and cleaned of debries and unwanted materials

P17 Paving Type 17
Description: Existing Concrete
Notes: To be retained and cleaned of debries and unwanted materials

P18 Paving Type 18
Description: Existing Hardstanding
Structural Specification: To be provided by Engineers
Notes: To be retained and cleaned of debries and unwanted materials

P19 Paving Type 19
Description: Proposed Type 1 Sub Base
Notes: To be used as coated is used to form hardstanding area and reused for later phases

P20 Paving Type 20
Description: Proposed Rubber Mulch Play Surface
Notes: 50mm depth of rubber mulch laid onto existing cleaned hard standing to provide impact absorbent play surface

Landscape Structures

L1 Landscape Structure Type 01
Description: Riverside jetty
Source: UK sourced
Finish: To Engineer's specification
Colour: Weathered Steel
Finish: Pressure-welded slip resistant steel grating
Structure: To Engineer's specification

L2 Landscape Structure Type 02
Description: Existing section of culvert retained to form bridge
Structural Specification: To be provided by Engineers.
Allowance: New exposed aggregate concrete deck surface, repointed brickwork, rebuilt and historical jack arch beams exposed and made good.
Design: TBC

L3 Landscape Structure Type 03
Description: Existing steel pipe bridge retained
Structural Specification: To be provided by Engineers
Notes: To be compliant 1100mm high balustrade, repainted and made good.
Design TBC

L4 Landscape Structure Type 04
Description: Existing concrete bridge retained
Structural Specification: To be provided by Engineers
Notes: Existing deck to be removed with all associated fitted. Deck surface made good or replaced with an exposed aggregate concrete finish.
Design TBC

Steps

S1 Step Type 01
Description: Access Steps - Pre cast concrete steps
Finishes: Variety of concrete finishes to differentiate treads from risers
Dimensions: 150mm risers x 280mm treads
Accessories: allowance for handrails either/side, allowance for integrated nosing visibility detail

Retaining Structures & River Edge Treatment

R1 Existing River Wall - Type 01
Wall retained at full height
Nose coping stone added
Engineer to provide detail of refurbishment scope

R2 Existing River Wall - Type 02
Wall to be reduced in height
New coping stone added
Engineer to provide detail of refurbishment scope

R3 Existing River Wall - Type 03
Wall height lowered to accommodate jetties
Engineer to provide detail of refurbishment scope

R4 Existing River Wall - Type 04
Wall to be lowered to below surface level and vegetated
Engineer to provide specification

R5 Proposed River Wall - Type 05
Proposed concrete retaining wall to Engineer's specification
Wall to be clad in 6mm weathered sheet steel

R6 Proposed Edge - Type 06
Gabion retaining edge to form low level planting terraces and tie into existing wall stepping.
Gabion filled with concrete or brick material harvested from demolition works
Engineer to provide specification

R7 Existing River Wall - Type 07
Existing river walls to be retained within Phase 1. Visual survey to confirm all walls are suitable for temporary uses.

C1 Proposed Cladding - Type 01
Weathered sheet steel cladding 6mm thick. Fixed to face and top of existing wall. Fixing to engineers details

Trees

Tree Specimen 01
Size: Varied
Fixing: Underground guyed
Accessories: Rootrain precinct system
Tree Pit Dimensions: 1.5m deep
Target soil volume per tree: 20m3
- An allowance for a root cell system will be required for all trees planted in hard landscape

Tree Specimen 02
Size: Varied
Selected trees for later phases to be planted in Air Pots and planters across temporary locations.

Planting

V1 Planting Type 01
Description: Street Planting

V2 Planting Type 02
Description: Railway Wildflower Meadow & Alpine Steppe Meadow

V3 Planting Type 03
Description: Grassland

V4 Planting Type 04
Description: Wetland Riverside Mosaic

V5 Planting Type 05
Description: Native Habitat Managed for Wildlife

V7 Planting Type 07
Description: Existing Vegetation Retained

Seating & Exercise Equipment

Seating 01
Description: Large rustic timber beams and weathered steel bases
Dimensions:
Large bench - 4000(l) x 450(h) x 1000(w) mm
Small bench - 2000(l) x 450(h) x 500(w) mm
Finish: Treated hardwood timber, galvanised metal fixings and weathered steel base.
Example product: Drifter Benches from Streetlife NL or equal approved -
www.streetlife.nl

Seating 02
Description: Bespoke exposed aggregate concrete base with hardwood timber slatted bench top
Dimensions: Refer to plan
Finish: Treated hardwood timber and galvanised metal fixings
Timber top example product: Solid Top Seats from Streetlife NL or equal approved - www.streetlife.nl

Seating 03
Description:Integrated Boardwalk seating - Weathered steel side panels and hardwood timber slatted bench top
Dimensions: Refer to plan
Finish: Treated hardwood timber and galvanised metal fixings
Example product: Drifter Benches from Streetlife NL or equal approved - www.streetlife.nl

Exercise Feature 01
Description: 5 Outdoor gym/exercise equipment elements
Material: Steel
Dimensions: Varied
Colour: Yallow
Kauppi Kauppi or equall approved - - www.kauppikauppi.se

Rocks & Boulders
Description: Feature Boulders
Source: Cemex (Rock Armour) & Cornish Landscaping Stone
Size: Varied sizes (indicative sizes shown below).
Structure: Base and structure to Engineer's specification

2500x2500mm Granite Feature Boulder with additional climbing features
2500x2500mm Granite Feature Boulder
1500x1500mm Natural stone quarry blast rocks
500x500mm Natural stone quarry blast rocks

Balustrade & Handrails

Balustrade 01
Description: Steel post and slatted rail balustrade
Dimensions: 1100mm high
Finish: Powder coated steel - colour TBC

Balustrade 02
Description: Varied concrete wall and slatted steel balustrade
Dimensions: 1100mm
Finish: Exposed aggregate concrete and powder coated steel - colour TBC

Bridge Balustrade 03
Description: Existing Baring Street bridge balustrade retained

Bridge Balustrade 04
Description: Powder coated steel post and slatted rail bridge balustrade
Dimensions: 1100mm
Finish: Powder coated steel - colour TBC

Handrail 01
Description: Powder coated steel post and slatted handrail
Dimensions: 900 - 1000mm
Finish: Powder coated steel - colour TBC

Temporary Balustrade 01
Description: Temporary post and rail steel telescopic edge protection
Height: 1100mm

Furniture

Waste & Recycling Bin
Description: Powder coated steel waste and recycling bins product example: Corten Box Bin from Streetlife NL or equal approved -
www.streetlife.nl

Dog Waste Bin
Description: Powder coated steel dog bins

Water Fountain
Description: Powder coated steel water foundations Product example: Caudal water foundation from Santa Cole or equall approved www.santacole.com

Bollard 01
Description: Existing concrete bollard retained

Bollard 02
Description: Powder coated steel and timber bollards Dimensions: 900mm high x 150mm dia
Finish: Powder coated / colour TBC
Product example: Rough&Ready Bollard from Streetlife NL or equal approved - www.streetlife.nl

Bollard 03
Description: Retractable Powder coated steel bollards Dimensions: 900mm high x 150mm dia
Finish: Powder coated / colour TBC

Cycle Stands
Description: Powder coated cycle stands
Finish: Powder coated - colour TBC
Product example: Corten Bicycle Racks from Streetlife NL or equal approved - www.streetlife.nl

Tree Grille
Description: Circle Tree Grille
Dimensions: 1800mm dia
Finish: Corten with pattern inlay
Product example: Corten Circular Tree Grille with pattern from Streetlife NL or equal approved -
www.streetlife.nl

Mayfield Depot

The Poulton

Freight Island - Area shown indicatively only. No as built information available.

Brick Wall Height 2000mm

Brick Wall Height 2000mm

Section of wall to be removed to allow for new access into the park

Retaining bank edge to be confirmed by RoC

Indicative location of stepped connection to be built and designed by others.

Unknown extents of existing wall. RoC to confirm.

To match existing levels TOW 37.10

Unknown bottom of wall level

Unknown bottom of wall level

TOW as existing

Wall & H/R 1100mm

TOW as existing

Culvert Bridge to be 3 jack arches wide. To be confirmed on site.

Existing Culvert Wall

Existing Culvert Wall

Existing Culvert Wall

Existing Culvert Wall

TOW Reduced circa 500mm to accommodate jetty

TOW Reduced below surface level

Please refer to Drawing 0345-SEW-ZZ-00-DR-L-007111 for 1:200 scale drawing of May'Field' Lawn Space

KEY

Boundaries

- Park Boundary

Levels

- Proposed Levels
- Existing Levels
- Top of Wall
- Bottom of Wall

Paving Types

- P01a — Paving Type 01a
  Description: Vehicular Clay Paving Bricks
  Please refer to spec clause Q24/120A.
- P01c — Paving Type 01c
  Description: Staggered Pedestrian Clay Paving Brick edge. Please refer to spec clause Q25/325A
- P01d — Paving Type 01d
  Description: Clay Quarry Tiles within recessed cover.
  Please refer to spec clause Q25/133A
- P02 — Paving Type 02
  Description: In situ reinforced Concrete surface 01.
  Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*
  Seeded stone aggregate in concrete paving. Please refer to spec clause Q23/165A
- P03 — Paving Type 03
  Description: In situ reinforced Concrete surface 02.
  Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*
- P06 — Paving Type 06
  Description: In situ reinforced Concrete surface 05.
  Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*
- P07 — Paving Type 07
  Description: Self-binding gravel, Please refer to spec clause Q23/135A
- P08 — Paving Type 08
  Description: Steel Grating
  Refer to boardwalks and jetties design intent 0345-SEW-ZZ-ZZ-DR-L-003402
- P13a — Paving Type 13a
  Description:Vehicular Loaded Resin bound gravel. Please refer to spec clause Q23/225A
- Tactile Paving Type 01
  Description: Tactile Hazard Corduroy Warning Paving at the top and bottom of steps.
  Please refer to spec clause Q25/320
- Tactile Paving Type 02
  Description: Tactile Hazard Corduroy Warning Paving at the top and bottom of steps, Please refer to spec clause Q25/322

For typical details of paving types Refer to drawings:

Paving Type 01: 0345-SEW-ZZ-00-DR-L-003201 and 0345-SEW-ZZ-00-DR-L-003202
Paving Type 02: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 03: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 06: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 07: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 08: 0345-SEW-ZZ-ZZ-DR-L-003402
Paving Type 13: 0345-SEW-ZZ-00-DR-L-003204

Steps

- S01 — Step Type 01
  Description: Pre cast or In situ concrete steps
  Refer to typical step detail drawing 0345-SEW-ZZ-00-DR-L-003208
  For S01a refer to 0345-SEW-ZZ-00-DR-L-003209
  For S01c refer to 0345-SEW-ZZ-00-DR-L-003211

Retaining Structures

- R01 — Retaining Wall Type 01 - Existing River Wall
  Description:Wall retained at full height and new coping added
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R02 — Retaining Wall Type 02 - Existing River Wall
  Description: Wall to be reduced in height and new coping added
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R03 — Retaining Wall Type 03 - Existing River Wall
  Description: Wall height lowered to accommodate jetties
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R04 — Retaining Wall Type 04 - Existing River Wall
  Description: Wall to be lowered to below surface level and vegetated bank
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R05 — Retaining Wall Type 05 - Proposed Rock Wall
  Description: Proposed Rock rip-rap river edge
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R06 — Retaining Wall Type 06 - Proposed Gabion Wall
  Description:Gabion retaining edge to form low level terraces.
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R07a — Retaining Wall Type 07 - Proposed Concrete Wall
  Description: Proposed concrete retaining wall
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R07b — Retaining Wall Type 07 - Proposed Concrete Wall
  Description: Proposed concrete retaining wall with tensile wire system.
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R09 — Retaining Wall Type 09 - Proposed Concrete Wall
  Description: Low concrete wall to form informal seating plinths
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R10 — Retaining Wall Type 10 - Proposed Retaining Bank
  Description:Vegetated retaining structure
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R12 — Retaining Wall Type 12 - Existing River Wall
  Description:Existing wall to be rebuilt
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R13 — Retaining Wall Type 13 - Proposed Concrete Wall
  Description:Proposed Concrete Retaining Wall
  Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

Landscape Structures & Bridges

- L01 — Landscape Structure Type 01
  Description: Proposed riverside jetty. Please refer to design intent drawings.
  Refer to Jetty Design Intent drawing SEW-ZZ-ZZ-DR-L-003401 and SEW-ZZ-ZZ-DR-L-003402
- B01 — Bridge 01
  Description: Culvert Bridge
  Please refer to Culvert Bridge design intent drawing SEW-ZZ-ZZ-DR-L-003403 and SEW-ZZ-ZZ-DR-L-003404

Street Furniture

For Street Furniture GA
Refer to drawing 0345-SEW-ZZ-00-DR-L-007105

Play & Exercise Equipment

For all Play & Exercise Equipment GA
Refer to drawing 0345-SEW-ZZ-00-DR-L-007114

Boundaries, Balustrade & Handrails

For all Boundaries, Balustrades & Handrails GA
Refer to drawing 0345-SEW-ZZ-00-DR-L-007116

River Edge Treatments

* Please note river edge treatment to be confirmed following River Morphology Survey and Buro Happold information

Trees

Soft Landscaping package to form seperate contract of works.

- Tree Specimen 01
  Rootball & guyed
  900mm minimum growing medium depth

Planting

Soft Landscaping package to form seperate contract of works.

- Planting Type 01
  Description: Street Planting
  450mm minimum growing medium depth
- Planting Type 02
  Description: Railway Wildflower Meadow & Alpine Steppe Meadow
  450mm minimum growing medium depth
- Planting Type 03
  Description: Grassland
  150mm minimum growing medium depth
- Planting Type 04
  Description: Wetland Riverside Mosaic
  450mm minimum growing medium depth
- Planting Type 05
  Description: Natve Habitat Managed for Wildlife
  450mm minimum growing medium depth
- Planting Type 06
  Description: Rain Garden
  450mm minimum growing medium depth

General Notes

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Notes

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Rev	Date	Description	Chk
T06	14.12.20	Stage 4 DRAFT	SEW
T05	16.11.20	TENDER UPDATES	SEW
T04	04.11.20	TENDER	SEW
T03	07.10.20	TENDER	SEW
T02	02.10.20	Design ammendement	SEW
T01	18.09.20	Design ammendement	SEW
T00	04.09.20	DRAFT	SEW

Keyplan

Scale Bar 0 10m

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Client: Mayfield Partnership

Project: Mayfield Park

Drawing Title: Gatehouse Entrance & The Poulton

Project Number	Status
0345	TENDER
Scale at A1: 1:200	Date: 04.09.20
Drawn by: MA	Checked by: SEW
Drawing Number: 0345-SEW-ZZ-00-DR-L-007110	Revision: T06

Freight Island - Area shown indicatively only. No as built information available.

Depot Interface to be 1.8m nominal temporary macadam finish.

Flat

The Poulton

Extent of permanent park finishes

Existing Culvert Wall

Indicative dry river bed. Extent and specification of surface to be confirmed following low flow river modelling and river morphologist input.

Area to be graded to align with existing levels.

Please refer to Drawing 0345-SEW-ZZ-00-DR-L-007110 for 1:200 scale drawing of Gatehouse Entrance & Baring Street Office No.1

Please refer to Drawing 0345-SEW-ZZ-00-DR-L-007112 for 1:200 scale drawing of Wildscape Area

KEY

Boundaries

- Park Boundary

Levels

- Proposed Levels
- Existing Levels
- Top of Wall
- Bottom of Wall

Paving Types

- P01a — Paving Type 01a. Description: Vehicular Clay Paving Bricks. Please refer to spec clause Q24/120A.
- P01c — Paving Type 01c. Description: Staggered Pedestrian Clay Paving Brick edge. Please refer to spec clause Q25/325A
- P01d — Paving Type 01d. Description: Clay Quarry Tiles within recessed cover. Please refer to spec clause Q25/133A
- P02 — Paving Type 02. Description: In situ reinforced Concrete surface 01. Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'* Seeded stone aggregate in concrete paving. Please refer to spec clause Q23/165A
- P03 — Paving Type 03. Description: In situ reinforced Concrete surface 02. Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*
- P04 — Paving Type 04. Description: In situ reinforced Concrete surface 03. Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*
- P05 — Paving Type 05. Description: In situ reinforced Concrete surface 04. Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*
- P07 — Paving Type 07. Description: Self-binding gravel, Please refer to spec clause Q23/135A
- P08 — Paving Type 08. Description: Steel Grating. Refer to boardwalks and jetties design intent 0345-SEW-ZZ-ZZ-DR-L-003402
- P10a — Paving Type 10a. Description: Temporary asphalt footpath surface with occasional vehicular traffic, Please refer to spec clause Q22/154A
- P11 — Paving Type 11. Description: Steel Grating. Refer to Veiled Bridge Design Intent drawing 0345-SEW-ZZ-ZZ-DR-L-003405
- P12 — Paving Type 12. Description: Gravel Layer. Please refer to spec clause Q23/160
- P13a — Paving Type 13a. Description:Vehicular Loaded Resin bound gravel. Please refer to spec clause Q23/225A
- Tactile Paving Type 01. Description: Tactile Hazard Corduroy Warning Paving at the top and bottom of steps. Please refer to spec clause Q25/320
- Tactile Paving Type 02. Description: Tactile Hazard Corduroy Warning Paving at the top and bottom of steps, Please refer to spec clause Q25/322

For typical details of paving types Refer to drawings:

Paving Type 01: 0345-SEW-ZZ-00-DR-L-003201 and 0345-SEW-ZZ-00-DR-L-003202
Paving Type 02: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 03: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 04: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 05: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 07: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 09: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 10: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 11: 0345-SEW-ZZ-ZZ-DR-L-003405
Paving Type 12: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 13: 0345-SEW-ZZ-00-DR-L-003204

Retaining Structures

- R01 — Retaining Wall Type 01 - Existing River Wall. Description:Wall retained at full height and new coping added. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R02 — Retaining Wall Type 02 - Existing River Wall. Description: Wall to be reduced in height and new coping added. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R03 — Retaining Wall Type 03 - Existing River Wall. Description: Wall height lowered to accommodate jetties. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R04 — Retaining Wall Type 04 - Existing River Wall. Description: Wall to be lowered to below surface level and vegetated bank. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R06 — Retaining Wall Type 06 - Proposed Gabion Wall. Description:Gabion retaining edge to form low level terraces. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R07a — Retaining Wall Type 07 - Proposed Concrete Wall. Description: Proposed concrete retaining wall. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R07b — Retaining Wall Type 07 - Proposed Concrete Wall. Description: Proposed concrete retaining wall with tensile wire system. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R09 — Retaining Wall Type 09 - Proposed Concrete Wall. Description: Low concrete wall to form informal seating plinths. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R10 — Retaining Wall Type 10 - Proposed Retaining Bank. Description:Vegetated retaining structure. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R13 — Retaining Wall Type 13 - Proposed Concrete Wall. Description:Proposed Concrete Retaining Wall. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

Steps

- S01 — Step Type 01. Description: Pre cast or In situ concrete steps. Refer to typical step detail drawing 0345-SEW-ZZ-00-DR-L-003208. For S01a refer to 0345-SEW-ZZ-00-DR-L-003209. For S01b refer to 0345-SEW-ZZ-00-DR-L-003210

Landscape Structures & Bridges

- L01 — Landscape Structure Type 01. Description: Proposed riverside jetty. Please refer to design intent drawings. Refer to Jetty Design Intent drawing SEW-ZZ-ZZ-DR-L-003401 and SEW-ZZ-ZZ-DR-L-003402
- L02 — Landscape Structure Type 02. Description: Proposed Raised Walkway. Please refer to Raised Walkway design intent drawing SEW-ZZ-ZZ-DR-L-003401 and SEW-ZZ-ZZ-DR-L-003402
- B02 — Bridge 02. Description: Proposed Steel Bridge. Please refer to Steel Bridge design intent drawing SEW-ZZ-ZZ-DR-L-003405
- B03 — Bridge 03. Description: Northern Bridge. Please refer to Northern Bridge design intent drawing SEW-ZZ-ZZ-DR-L-003406 and SEW-ZZ-ZZ-DR-L-003407

Street Furniture

For Street Furniture GA Refer to drawing 0345-SEW-ZZ-00-DR-L-007105

Play & Exercise Equipment

For all Play & Exercise Equipment GA Refer to drawing 0345-SEW-ZZ-00-DR-L-007114

Boundaries, Balustrade & Handrails

For all Boundaries, Balustrades & Handrails GA Refer to drawing 0345-SEW-ZZ-00-DR-L-007116

River Edge Treatments

* Please note river edge treatment to be confirmed following River Morphology Survey and Buro Happold information

Trees

Soft landscape package to form seperate contract of works.

- Tree Specimen 01. Rootball & guyed. 900mm minimum growing medium depth

Planting

Soft landscape package to form seperate contract of works.

- Planting Type 01. Description: Street Planting. 450mm minimum growing medium depth
- Planting Type 02. Description: Railway Wildflower Meadow & Alpine Steppe Meadow. 450mm minimum growing medium depth
- Planting Type 03. Description: Grassland. 150mm minimum growing medium depth
- Planting Type 04. Description: Wetland Riverside Mosaic. 450mm minimum growing medium depth
- Planting Type 05. Description: Natve Habitat Managed for Wildlife. 450mm minimum growing medium depth
- Planting Type 06. Description: Rain Garden. 450mm minimum growing medium depth

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Notes

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T06	14.12.20	Stage 4 DRAFT	SEW
T05	16.11.20	TENDER UPDATES	SEW
T04	04.11.20	TENDER	SEW
T03	12.10.20	TENDER	SEW
T02	02.10.20	Design ammendements	SEW
T01	18.09.20	Design ammendements	SEW
T00	04.09.20	DRAFT	SEW

Keyplan

N

Scale Bar 0 10m

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Client: Mayfield Partnership

Project: Mayfield Park

Drawing Title: May'Field' Lawn Space

Project Number	Status
0345	TENDER
Scale at A1	Date
1:200	04.09.20
Drawn by	Checked by
MA	SEW

Drawing Number	Revision
0345-SEW-ZZ-00-DR-L-007111	T06

Depot Interface to be 1.8m nominal temporary macadam finish.

Unknown bottom of wall. RoC to confirm.

Mayfield Depot (Arches)

Extent of permanent park finishes

Hatch indicates surfaces within play yard to be installed in temporary state.

TOW Reduced below surface level

TOW Reduced circa 500mm to accommodate jetty

Retain existing engine base

Indicative dry river bed. Extent and specification of surface to be confirmed following low flow river modelling and river morphologist input.

Area to be regraded to align with existing levels.

Please refer to Drawing 0345-SEW-ZZ-00-DR-L-007111 for 1:200 scale drawing of May'Field' Lawn Space

Please refer to Drawing 0345-SEW-ZZ-00-DR-L-007113 for 1:200 scale drawing of Play Yard

KEY

Boundaries

- Park Boundary

Levels

- Proposed Levels
- Existing Levels
- Top of Wall
- Bottom of Wall
- Top of Feature

Paving Types

- P01a — Paving Type 01a. Description: Vehicular Clay Paving Bricks. Please refer to spec clause Q24/120A.
- P03 — Paving Type 03. Description: In situ reinforced Concrete surface 02. Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*
- P04 — Paving Type 04. Description: In situ reinforced Concrete surface 03. Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*
- P05 — Paving Type 05. Description: In situ reinforced Concrete surface 04. Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*
- P07 — Paving Type 07. Description: Self-binding gravel, Please refer to spec clause Q23/135A
- P08 — Paving Type 08. Description: Steel Grating. Refer to boardwalks and jetties design intent 0345-SEW-ZZ-ZZ-DR-L-003402
- P09a — Paving Type 09a. Description: Play Safety Surface 01. Please refer to spec clause Q26/365A
- P09b — Paving Type 09b. Description: Play Safety Surface 02. Please refer to spec clause Q26/367A
- P10a — Paving Type 10a. Description: Temporary asphalt footpath surface with occasional vehicular traffic, Please refer to spec clause Q22/154A
- P10b — Paving Type 10b. Description: Temporary asphalt footpath surface with occasional vehicular traffic and graphical road markings. Please refer to spec clause Q22/158A
- P11 — Paving Type 11. Description: Steel Grating. Refer to Veilled Bridge Design Intent drawing 0345-SEW-ZZ-ZZ-DR-L-003405
- P12 — Paving Type 12. Description: Gravel Layer. Please refer to spec clause Q23/160
- P13a — Paving Type 13a. Description:Vehicular Loaded Resin bound gravel. Please refer to spec clause Q23/225A
- Tactile Paving Type 01. Description: Tactile Hazard Corduroy Warning Paving at the top and bottom of steps. Please refer to spec clause Q25/320
- Tactile Paving Type 02. Description: Tactile Hazard Corduroy Warning Paving at the top and bottom of steps, Please refer to spec clause Q25/322
- Hatch indicates surfaces within play yard to be installed in temporary state.

For typical details of paving types Refer to drawings:

Paving Type 01: 0345-SEW-ZZ-00-DR-L-003201 and 0345-SEW-ZZ-00-DR-L-003202
Paving Type 03: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 04: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 05: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 07: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 09: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 10: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 11: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 12: 0345-SEW-ZZ-00-DR-L-003204

Retaining Structures

- R01 — Retaining Wall Type 01 - Existing River Wall. Description:Wall retained at full height and new coping added. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R02 — Retaining Wall Type 02 - Existing River Wall. Description: Wall to be reduced in height and new coping added. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R03 — Retaining Wall Type 03 - Existing River Wall. Description: Wall height lowered to accommodate jetties. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R04 — Retaining Wall Type 04 - Existing River Wall. Description: Wall to be lowered to below surface level and vegetated bank. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R05 — Retaining Wall Type 05 - Proposed Rock Wall. Description: Proposed Rock rip-rap river edge. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R06 — Retaining Wall Type 06 - Proposed Gabion Wall. Description:Gabion retaining edge to form low level terraces. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R07a — Retaining Wall Type 07 - Proposed Concrete Wall. Description: Proposed concrete retaining wall. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R07b — Retaining Wall Type 07 - Proposed Concrete Wall. Description: Proposed concrete retaining wall with tensile wire system. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R08 — Existing River Wall - Type 05. Description: Wall to be reduced in height and clad in weathered sheet steel. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R09 — Retaining Wall Type 09 - Proposed Concrete Wall. Description: Low concrete wall to form informal seating plinths. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115
- R10 — Retaining Wall Type 10 - Proposed Retaining Bank. Description:Vegetated retaining structure. Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

Steps

- S01 — Step Type 01. Description: Pre cast or In situ concrete steps. Refer to typical step detail drawing 0345-SEW-ZZ-00-DR-L-003208. For S01b refer to 0345-SEW-ZZ-00-DR-L-003210

Landscape Structures & Bridges

- L01 — Landscape Structure Type 01. Description: Proposed riverside jetty. Please refer to design intent drawings. Refer to Jetty Design Intent drawing SEW-ZZ-ZZ-DR-L-003401 and SEW-ZZ-ZZ-DR-L-003402
- L02 — Landscape Structure Type 02. Description: Proposed Raised Walkway. Please refer to Raised Walkway design intent drawing SEW-ZZ-ZZ-DR-L-003401 and SEW-ZZ-ZZ-DR-L-003402
- B02 — Bridge 02. Description: Proposed Steel Bridge. Please refer to Steel Bridge design intent drawing SEW-ZZ-ZZ-DR-L-003405
- B03 — Bridge 03. Description: Northern Bridge. Please refer to Northern Bridge design intent drawing SEW-ZZ-ZZ-DR-L-003406 and SEW-ZZ-ZZ-DR-L-003407

Street Furniture

For Street Furniture GA Refer to drawing 0345-SEW-ZZ-00-DR-L-007105

Play & Exercise Equipment

For all Play & Exercise Equipment GA Refer to drawing 0345-SEW-ZZ-00-DR-L-007114

Boundaries, Balustrade & Handrails

For all Boundaries, Balustrades & Handrails GA Refer to drawing 0345-SEW-ZZ-00-DR-L-007116

River Edge Treatments

* Please note river edge treatment to be confirmed following River Morphology Survey and Buro Happold information

Trees

Soft landscape package to form seperate contract of works.

- Tree Specimen 01. Rootball & guyed. 900mm minimum growing medium depth
- Retain existing tree

Planting

Soft landscape package to form seperate contract of works.

- Planting Type 01. Description: Street Planting. 450mm minimum growing medium depth
- Planting Type 02. Description: Railway Wildflower Meadow & Alpine Steppe Meadow. 450mm minimum growing medium depth
- Planting Type 03. Description: Grassland. 150mm minimum growing medium depth
- Planting Type 04. Description: Wetland Riverside Mosaic. 450mm minimum growing medium depth
- Planting Type 05. Description: Natve Habitat Managed for Wildlife. 450mm minimum growing medium depth
- Planting Type 06. Description: Rain Garden. 450mm minimum growing medium depth

General Notes

No implied licence exists. This drawing should not be used to calculate areas for the purposes of valuation. Do not scale this drawing. All dimensions to be checked on site by the contractor and such dimensions to be their responsibility. All work must comply with relevant British Standards and Building Regulations requirements. Drawing errors and omissions to be reported to the architect.

Notes

All drawings represent design intent and are based on assumptions with limited input from structural and civil engineers. Please refer to Outline Specification - Section A for further clarification.

Rev	Date	Description	Chk
T06	14.12.20	Stage 4 DRAFT	SEW
T05	16.11.20	TENDER UPDATES	SEW
T04	04.11.20	TENDER	SEW
T03	12.10.20	TENDER	SEW
T02	02.10.20	Design ammendement	SEW
T01	18.09.20	Design ammendement	SEW
T00	04.09.20	DRAFT	SEW

Keyplan

Scale Bar 0 10m

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Drawing Title: Wildscape Area

Project Number	Status
0345	TENDER
Scale at A1	Date
1:200	04.09.20
Drawn by	Checked by
MA	SEW

Client: Mayfield Partnership

Project: Mayfield Park

Drawing Number	Revision
0345-SEW-ZZ-00-DR-L-007112	T06

Proposed fence line to go round existing stairwell.

Toilet Block

Road throat and gate into play yard to be retained.

Road throat and gate into service yard to be retained.

Hatch indicates surfaces within play yard to be installed in temporary state.

Secured yard space with temporary surface finish. Use TBC. Area to become part of the extended playground in the future phases of the park.

Brick Wall Height 1700mm

Hoyle Street subject to full risk assessment and contractor to provide sufficient edge protection to highway's requirements.

Trief kerb proposed (within S278 works) as nominal edge protection to contain vehicles along Hoyle Street, subject to closure of Chapelfield Road.

Hoyle Street bridge parapet subject to full risk assessment and contractor to provide sufficient edge protection to highway's requirements.

Indicative dry river bed. Extent and specification of surface to be confirmed following low flow river modelling and river morphologist input.

Retaing wall treatment to be confirmed by RoC.

Extent of permanent park finishes

Area to be regraded to align with existing levels.

Please refer to Drawing 0345-SEW-ZZ-00-DR-L-007112 for 1:200 scale drawing of Wildscape Area

KEY

Boundaries

Park Boundary

Levels

Proposed Levels

Existing Levels

Top of Wall

Bottom of Wall

Paving Types

P01b — Paving Type 01a
Description: Vehicular Clay Paving Bricks
Please refer to spec clause Q24/120A.

P02 — Paving Type 02
Description: In situ reinforced Concrete surface 01.
Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*
Seeded stone aggregate in concrete paving. Please refer to spec clause Q23/165A

P03 — Paving Type 03
Description: In situ reinforced Concrete surface 02.
Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*

P04 — Paving Type 04
Description: In situ reinforced Concrete surface 03.
Please refer to *'Visual Concrete Specification REV B - Part 1 FORMED CONCRETE FINISHES'* and *'Visual Concrete Specification REV B - WORKED FINISHES Part 2 Hardscape Mayfield Park'*

P07 — Paving Type 07
Description: Self-binding gravel, Please refer to spec clause Q23/135A

P08 — Paving Type 08
Description: Steel Grating
Refer to boardwalks and jetties design intent 0345-SEW-ZZ-ZZ-DR-L-003402

P09a — Paving Type 09a
Description: Play Safety Surface 01,
Please refer to spec clause Q26/365A

P09b — Paving Type 09b
Description: Play Safety Surface 02,
Please refer to spec clause Q26/367A

P10a — Paving Type 10a
Description: Temporary asphalt footpath surface with occasional vehicular traffic, Please refer to spec clause Q22/154A

P10b — Paving Type 10b
Description: Temporary asphalt footpath surface with occasional vehicular traffic and graphical road markings.
Please refer to spec clause Q22/158A

P12 — Paving Type 12
Description: Gravel Layer.
Please refer to spec clause Q23/160

Tactile Paving Type 01
Description: Tactile Hazard Corduroy Warning Paving at the top and bottom of steps.
Please refer to spec clause Q25/320

Tactile Paving Type 02
Description: Tactile Hazard Corduroy Warning Paving at the top and bottom of steps, Please refer to spec clause Q25/322

Hatch indicates surfaces within play yard to be installed in temporary state.

For typical details of paving types Refer to drawings:

Paving Type 01: 0345-SEW-ZZ-00-DR-L-003201
Paving Type 02: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 03: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 04: 0345-SEW-ZZ-00-DR-L-003203
Paving Type 07: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 09: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 10: 0345-SEW-ZZ-00-DR-L-003204
Paving Type 12: 0345-SEW-ZZ-00-DR-L-003204

Retaining Structures

R01 — Retaining Wall Type 01 - Existing River Wall
Description:Wall retained at full height and new coping added
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R02 — Retaining Wall Type 02 - Existing River Wall
Description: Wall to be reduced in height and new coping added
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R03 — Retaining Wall Type 03 - Existing River Wall
Description: Wall height lowered to accommodate jetties
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R04 — Retaining Wall Type 04 - Existing River Wall
Description: Wall to be lowered to below surface level and vegetated bank
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R05 — Retaining Wall Type 05 - Proposed Rock Wall
Description: Proposed Rock rip-rap river edge
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R06 — Retaining Wall Type 06 - Proposed Gabion Wall
Description:Gabion retaining edge to form low level terraces.
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R07a — Retaining Wall Type 07 - Proposed Concrete Wall
Description: Proposed concrete retaining wall
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R08 — Retaining Wall Type 08 - Existing River Wall
Description: Wall to be reduced in height and clad in weathered sheet steel.
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R09 — Retaining Wall Type 09 - Proposed Concrete Wall
Description: Low concrete wall to form informal seating plinths
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R10 — Retaining Wall Type 10 - Proposed Retaining Bank
Description:Vegetated retaining structure
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R11 — Retaining Wall Type 11 - Existing Wall
Description:Existing wall to be painted in colour TBC
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R13 — Retaining Wall Type 13 - Proposed Concrete Wall
Description:Proposed Concrete Retaining Wall
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

R14 — Retaining Wall Type 14 - Proposed River Wall
Description: Proposed concrete wall with cladding
Refer to Retaining Wall GA drawing 0345-SEW-ZZ-00-DR-L-007115

Steps

S01 — Step Type 01
Description: Pre cast or In situ concrete steps
Refer to typical step detail drawing 0345-SEW-ZZ-00-DR-L-003208
For S01d refer to 0345-SEW-ZZ-00-DR-L-003212

Landscape Structures & Bridges

L01 — Landscape Structure Type 01
Description: Proposed riverside jetty. Please refer to design intent drawings.
Refer to Jetty Design Intent drawing SEW-ZZ-ZZ-DR-L-003401 and SEW-ZZ-ZZ-DR-L-003402

River Edge Treatments

* Please note reiver edge treatment to be confirmed following River Morphology Survey and Buro Happold information

Trees

Soft landscape package to form seperate contract of works.

Tree Specimen 01
Rootball & guyed
900mm minimum growing medium depth

Retain existing tree

Planting

Soft landscape package to form seperate contract of works.

Planting Type 01
Description: Street Planting
450mm minimum growing medium depth

Planting Type 02
Description: Railway Wildflower Meadow & Alpine Steppe Meadow
450mm minimum growing medium depth

Planting Type 03
Description: Grassland
150mm minimum growing medium depth

Planting Type 04
Description: Wetland Riverside Mosaic
450mm minimum growing medium depth

Planting Type 05
Description: Natve Habitat Managed for Wildlife
450mm minimum growing medium depth

Street Furniture

For Street Furniture GA
Refer to drawing 0345-SEW-ZZ-00-DR-L-007105

Play & Exercise Equipment

For all Play & Exercise Equipment GA
Refer to drawing 0345-SEW-ZZ-00-DR-L-007114

Boundaries, Balustrade & Handrails

For all Boundaries, Balustrades & Handrails GA
Refer to drawing 0345-SEW-ZZ-00-DR-L-007116

General Notes

No implied licence exists. This drawing should not be used to calculate areas for the purposes of valuation. Do not scale this drawing. All dimensions to be checked on site by the contractor and such dimensions to be their responsibility. All work must comply with relevant British Standards and Building Regulations requirements. Drawing errors and omissions to be reported to the architect.

Notes

All drawings represent design intent and are based on assumptions with limited input from structural and civil engineers. Please refer to Outline Specification - Section A for further clarification.

Rev	Date	Description	Chk
T06	14.12.20	Stage 4 DRAFT	SEW
T05	16.11.20	TENDER UPDATES	SEW
T04	04.11.20	TENDER	SEW
T03	12.10.20	TENDER	SEW
T02	02.10.20	Design amendments	SEW
T01	18.09.20	Design amendments	SEW
T00	04.09.20	DRAFT	SEW

Keyplan

N

Scale Bar 0 10m

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egretwest.com

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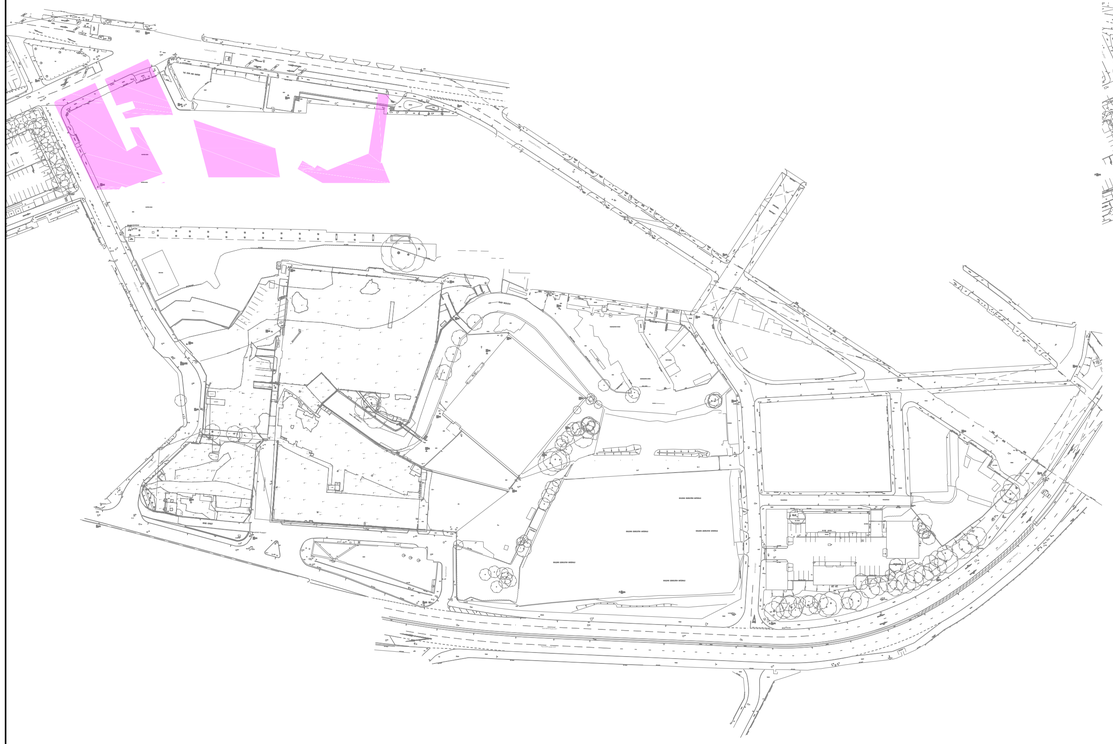
Client: Mayfield Partnership

Project: Mayfield Park

Drawing Title: Play Yard

Project Number	Status
0345	TENDER
Scale at A1	Date
1:200	04.09.20
Drawn by	Checked by
MA	SEW

Drawing Number: 0345-SEW-ZZ-00-DR-L-007113 Revision: T06



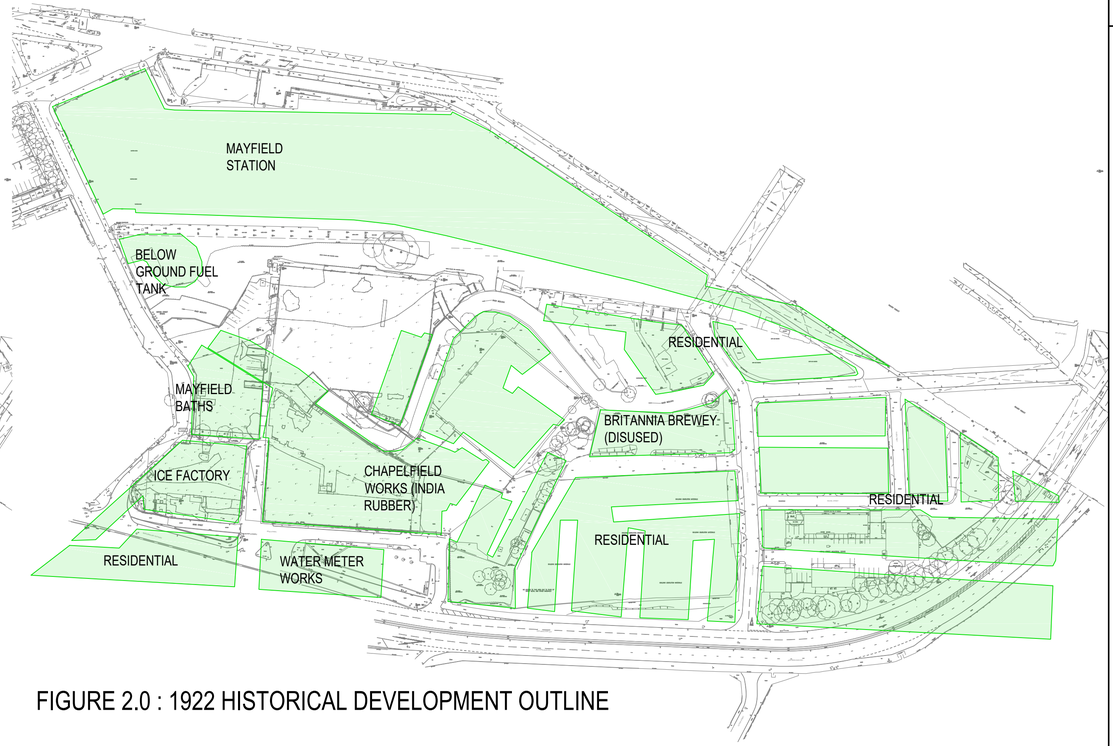
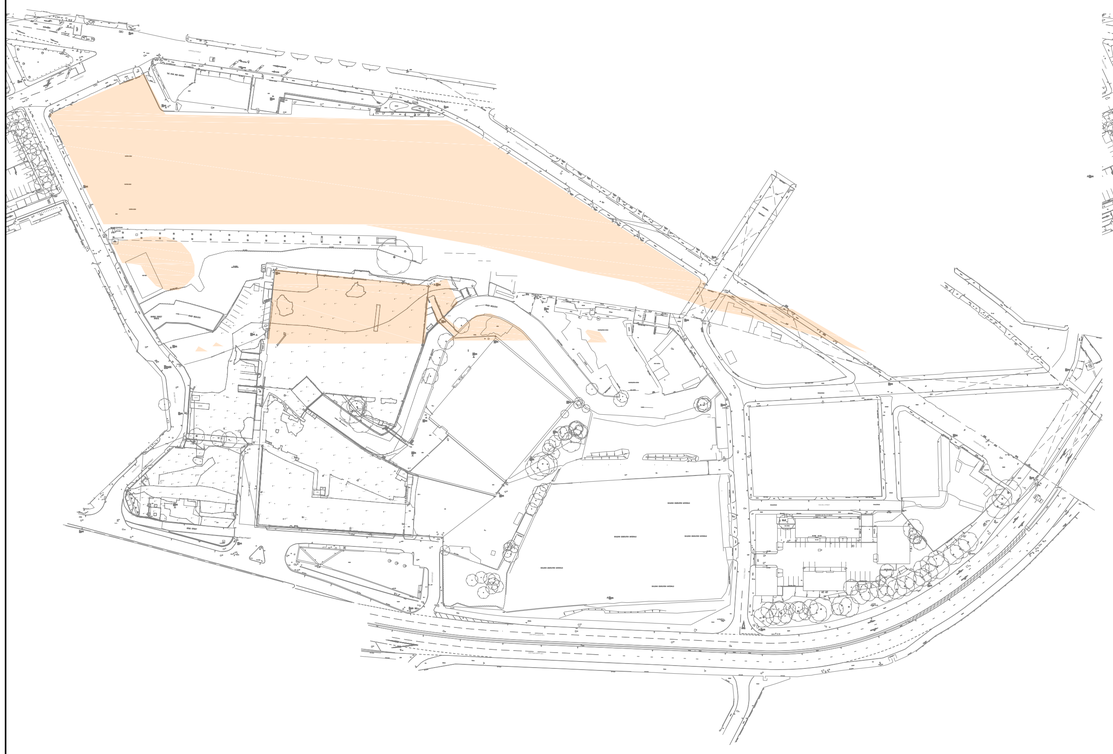


FIGURE 2.0 : 1922 HISTORICAL DEVELOPMENT OUTLINE



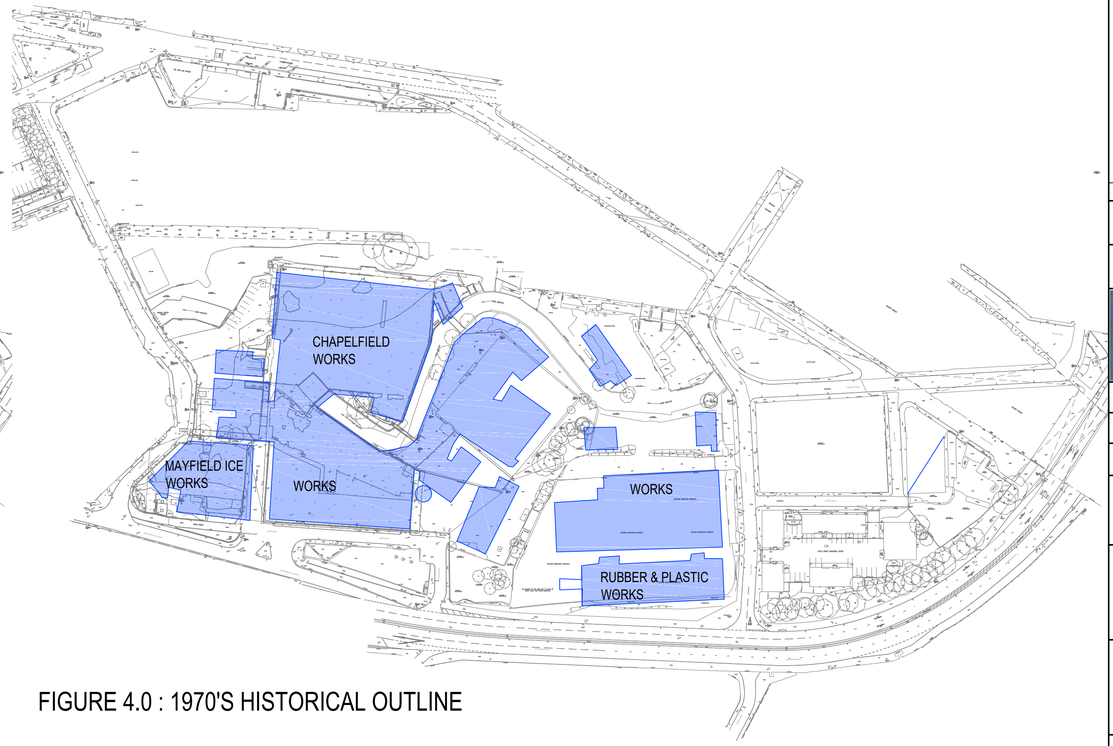


FIGURE 4.0 : 1970'S HISTORICAL OUTLINE

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NOTES

- 1891 DEVELOPMENT OUTLINE
- 1922 DEVELOPMENT OUTLINE
- 1948 DEVELOPMENT OUTLINE
- 1970 DEVELOPMENT OUTLINE

DRAWING NOTES

1) HISTORIC DEVELOPMENT OUTLINES SHOWN AT APPROXIMATE EXTENTS.

2) HISTORICAL DEVELOPMENT DATA OBTAINED FROM COMMERCIAL ENVIRONMENTAL DATABASE AND FREELY AVAILABLE MAPPING RECORDS

3) ROC CONSULTING ACCEPTS NOT RESPONSIBILITY FOR ANY DAMAGES OR LOSS ARISING AS A RESULT OF THE USE OF THIS DRAWING

REV.	DATE	DETAILS	DRN.	CHK.

DRAWING STATUS
INFORMATION

RIBA STAGE

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN: LS	DATE: JAN 20	SCALES: NTS
CHECKED: AS	DATE: JAN 20	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE--
APPRVD.: AS	DATE: JAN 20	EMAIL FOR DRAWINGS: info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD

DRAWING TITLE
HISTORIC DEVELOPMENT OVERVIEW

PROJECT No.	DRAWING No.	REV.
4153	ES101	R1

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NOTES

- HIGH EXPLOSIVE BOMB IMPACT LOCATION
- FIRE BOMB IMPACT LOCATION
- DEMOLISHED BUILDING ASSOCIATED WITH BOMBING
- STRUCTURALLY DAMAGED BUILDING ASSOCIATED WITH BOMBING
- BUILDINGS DEMOLISHED POST WW2
- ZONE 1 : MAYFIELD DEPOT
- ZONE 2 : MAYFIELD PARK
- ZONE 3 : BARING ST CAMPUS
- ZONE 4 : HOYLE ST WEST
- ZONE 5 : HOYLE ST EAST

DRAWING NOTES

1) HISTORIC DEVELOPMENT OUTLINES AND BOMBING IMPACT LOCATIONS SHOWN AT APPROXIMATE EXTENTS.

2) HISTORICAL DEVELOPMENT DATA OBTAINED FROM COMMERCIAL ENVIRONMENTAL DATABASE AND FREELY AVAILABLE MAPPING RECORDS.

3) BOMBING IMPACT DATA OBTAINED FORM FREELY AVAILABLE RECORDS.

4) ROC CONSULTING ACCEPTS NO RESPONSIBILITY FOR ANY DAMAGES OR LOSS ARISING AS A RESULT OF THE USE OF THIS DRAWING.

ZONE 1: MAYFIELD DEPOT

ZONE 2: MAYFIELD PARK

ZONE 3: BARING STREET

ZONE 4: HOYLE ST WEST

ZONE 5: HOYLE ST EAST

REV	DATE	DETAILS	DRN	CHK

DRAWING STATUS
INFORMATION

RIBA STAGE

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN: LD	DATE: JAN 20	SCALES: NTS
CHECKED: AS	DATE: JAN 20	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE -DO NOT SCALE-
APPRVD.: AS	DATE: JAN 20	EMAIL FOR DRAWINGS: info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD

DRAWING TITLE
UNEXPLODED ORDNANCE MAPPING RECORDS

PROJECT No.	DRAWING No.	REV.
4153	ES102	R1

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RESTRICTED ACCESS : FREIGHT ISLAND

SITE INVESTIGATION ZONE 1 : MAYFIELD LAWNS

SITE INVESTIGATION ZONE 3: MULTI USE GAME AREA (MUGA)

RESTRICTED ACCESS : RIVER MEDLOCK CULVERT (APPROX)

SITE INVESTIGATION ZONE 4 : SOUTH WEST PARK

RESTRICTED ACCESS : DIRT FACTORY OPERATIONS

RESTRICTED ACCESS : DIRT FACTORY OPERATIONS

SITE INVESTIGATION ZONE 2 : WILD-SCAPE AREA

Plot O
Poulton Office

Plot N
MSCP

MSCP

Plot M
Office

SITE INVESTIGATION ZONE 5 : HOYLE STREET WEST

RESTRICTED ACCESS : MATERIAL STOCKPILE

BOND STREET

RIVER MEDLOCK

NOTES

- SI ZONE 1 : PARK LAWNS
- SI ZONE 2 : WILD SCAPE AREA
- SI ZONE 3: MULTI USE GAME AREA (MUGA)
- SI ZONE 4 : SOUTH WEST PARK AREA
- SI ZONE 5 : HOYLE STREET WEST

NOTES

1) SITE ZONING INDICATED FOR PURPOSE OF GROUND INVESTIGATION REPORTING AND BASED ON SEW PROPOSED PARK LAYOUT INFORMATION.

2) REFER TO ROC CONSULTING DRAWINGS ES201 to ES204 FOR FURTHER INFORMATION ON EXPLORATORY HOLE LOCATIONS.

REV	DATE	DETAILS	DRN	CHK

DRAWING STATUS
INFORMATION

RIBA STAGE

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN	DATE	SCALES
AS	NOV 20	NTS
CHECKED	DATE	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE--
LD	NOV 20	
APPRVD.	DATE	EMAIL FOR DRAWINGS
AS	NOV 20	info@rocconsulting.com

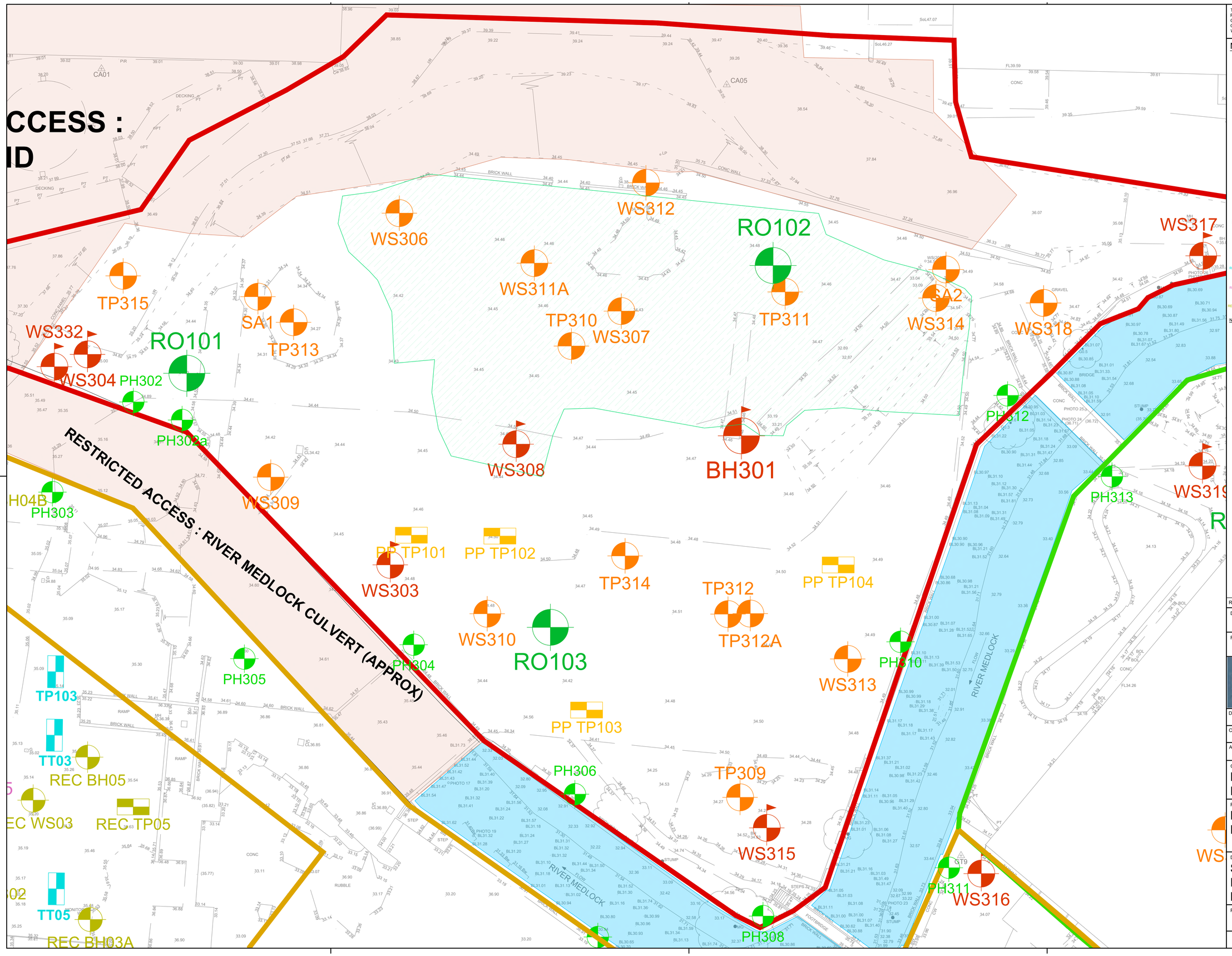
CLIENT
MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
MAYFIELD PARK SI ZONING PLAN

PROJECT No.	DRAWING No.	REV.
4153	ES200	R1

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ES201 TO ES204 NOTES

NOTES

- SI ZONE 1 : PARK LAWNS
- SI ZONE 2 : WILD SCAPE AREA
- SI ZONE 3: MULTI USE GAME AREA (MUGA)
- SI ZONE 4 : SOUTH WEST PARK AREA
- SI ZONE 5 : HOYLE STREET WEST

CURRENT 2020 MAYFIELD PARK GROUND INVESTIGATION

- BH401 — ROC 2020 MAYFIELD PARK CABLE TOOL BOREHOLE LOCATION
- WS313 — ROC 2020 MAYFIELD PARK WINDOW SAMPLER BOREHOLE LOCATION
- TP310A — ROC 2020 MAYFIELD PARK TRIAL PIT LOCATION
- WS317 — ROC 2020 MAYFIELD PARK BOREHOLE WITH MONITORING WELL
- PH501 — ROC 2020 RIVER MEDLOCK FOUNDATION EXPOSURE LOCATION
- BH401 — ROC 2020 SI LOCATION : HOYLE ST WEST

ADDITIONAL 2021 GROUNDWATER INVESTIGATION

- RO101 — ROC 2021 SI LOCATION : GROUNDWATER

PREVIOUS ROC GROUND INVESTIGATIONS

- ROC BH101 — ROC 2020 SI LOCATION: PLOTS O & N
- ROC BH101 — ROC 2019 SI LOCATION: PLOT M
- REC LTD WSBH04 — REC LTD 2019 SI LOCATION: PLOT O&N

NOTES

1) SITE ZONING TAKEN FROM U&I STRATEGIC REGENERATION FRAMEWORK DOCUMENT DATED SEPT 2019..
2) IT IS RECOMMENDED THE RESULTS FROM PHASE 2 SITE INVESTIGATIONS ARE REVIEW IN CONJUNCTION WITH THIS DRAWING
3) IN ADDITION TO THE RESULTS FROM THESE INVESTIGATIONS REFERENCE HAS ALSO BEEN MADE TO THE RESULTS OF PREVIOUS GROUND INVESTIGATIONS COMPLETED ACROSS THE SITE BY ROC CONSULTING AND OTHERS, NAMELY :

- ROC CONSULTING PLOT O AND N PHASE 2 SITE INVESTIGATION DATED SEPT 2020
- ROC CONSULTING PLOT M PHASE 2 SITE INVESTIGATION DATED DEC 2019
- ROC CONSULTING PLOT M PHASE 2 SITE INVESTIGATION DATED AUG 2018
- REC LTD PLOT G & H PHASE 2 SITE INVESTIGATION DATED AUG 2019

REV.	DATE	DETAILS	DRN.	CHK

DRAWING STATUS: INFORMATION

RIBA STAGE:

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN: LD	DATE: OCT 2020	SCALES: NTS
CHECKED: AS	DATE: OCT 2020	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE –DO NOT SCALE–
APPRVD.: AS	DATE: OCT 2020	EMAIL FOR DRAWINGS: info@rocconsulting.com

CLIENT: MAYFIELD PARTNERSHIP LTD

PROJECT TITLE: MAYFIELD MASTERPLAN

DRAWING TITLE: SI ZONE 1 EXPLORATORY HOLE LOCATION PLAN

PROJECT No.	DRAWING No.	REV.
4153	ES201	R2

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ES201 TO ES204 NOTES

NOTES

- SI ZONE 1 : PARK LAWNS
- SI ZONE 2 : WILD SCAPE AREA
- SI ZONE 3: MULTI USE GAME AREA (MUGA)
- SI ZONE 4 : SOUTH WEST PARK AREA
- SI ZONE 5 : HOYLE STREET WEST

CURRENT 2020 MAYFIELD PARK GROUND INVESTIGATION

- BH301 — ROC 2020 MAYFIELD PARK CABLE TOOL BOREHOLE LOCATION
- WS313 — ROC 2020 MAYFIELD PARK WINDOW SAMPLER BOREHOLE LOCATION
- TP12A — ROC 2020 MAYFIELD PARK TRIAL PIT LOCATION
- WS316 — ROC 2020 MAYFIELD PARK BOREHOLE WITH MONITORING WELL
- PH301 — ROC 2020 RIVER MEDLOCK FOUNDATION EXPOSURE LOCATION
- BH401 — ROC 2020 SI LOCATION : HOYLE ST WEST

ADDITIONAL 2021 GROUNDWATER INVESTIGATION

- RO101 — ROC 2021 SI LOCATION : GROUNDWATER

PREVIOUS ROC GROUND INVESTIGATIONS

- ROC BH1101 — ROC 2020 SI LOCATION: PLOTS O & N
- ROC BH1101 — ROC 2019 SI LOCATION: PLOT M
- REC WSBH04 — REC LTD 2019 SI LOCATION: PLOT O&N

NOTES

1) SITE ZONING TAKEN FROM U&I STRATEGIC REGENERATION FRAMEWORK DOCUMENT DATED SEPT 2019..
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- ROC CONSULTING PLOT O AND N PHASE 2 SITE INVESTIGATION DATED SEPT 2020
- ROC CONSULTING PLOT M PHASE 2 SITE INVESTIGATION DATED DEC 2019
- ROC CONSULTING PLOT M PHASE 2 SITE INVESTIGATION DATED AUG 2018
- REC LTD PLOT G & H PHASE 2 SITE INVESTIGATION DATED AUG 2019

REV.	DATE	DETAILS	DRN.	CHK.

DRAWING STATUS: INFORMATION

RIBA STAGE:

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APPRVD.	DATE	EMAIL FOR DRAWINGS
AS	OCT 2020	info@rocconsulting.com

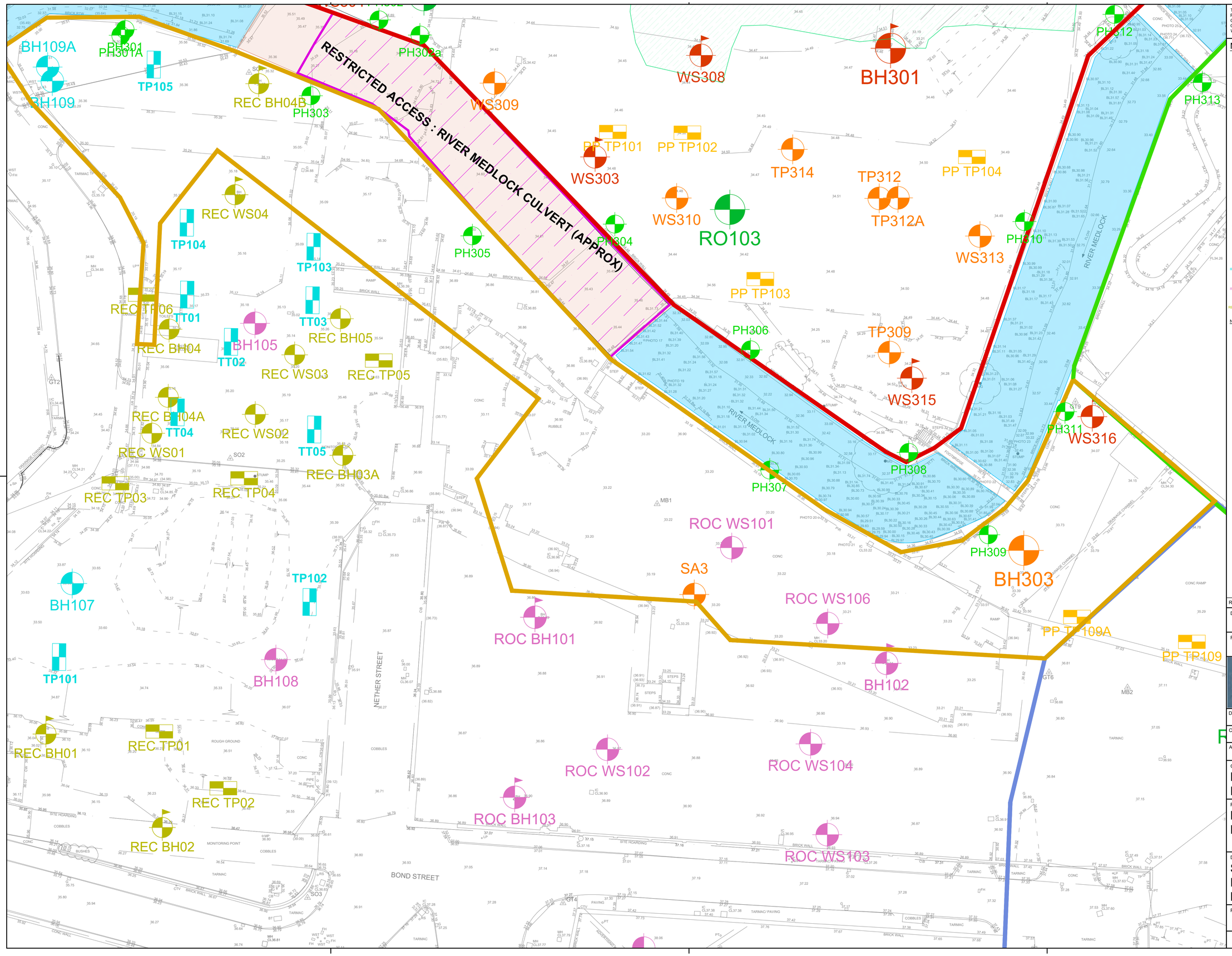
CLIENT: MAYFIELD PARTNERSHIP LTD

PROJECT TITLE: MAYFIELD MASTERPLAN

DRAWING TITLE: SI ZONES 2 & 3 EXPLORATORY HOLE LOCATION PLAN

PROJECT No.	DRAWING No.	REV.
4153	ES202	R2

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NOTES TO ES204 NOTES

- SI ZONE 1 : PARK LAWNS
- SI ZONE 2 : WILD SCAPE AREA
- SI ZONE 3: MULTI USE GAME AREA (MUGA)
- SI ZONE 4 : SOUTH WEST PARK AREA
- SI ZONE 5 : HOYLE STREET WEST

CURRENT 2020 MAYFIELD PARK GROUND INVESTIGATION

- BH101 — ROC 2020 MAYFIELD PARK CABLE TOOL BOREHOLE LOCATION
- WS01 — ROC 2020 MAYFIELD PARK WINDOW SAMPLER BOREHOLE LOCATION
- TP01A — ROC 2020 MAYFIELD PARK TRIAL PIT LOCATION
- WS01T — ROC 2020 MAYFIELD PARK BOREHOLE WITH MONITORING WELL
- PH01 — ROC 2020 RIVER MEDLOCK FOUNDATION EXPOSURE LOCATION
- BH401 — ROC 2020 SI LOCATION : HOYLE ST WEST

ADDITIONAL 2021 GROUNDWATER INVESTIGATION

- RO101 — ROC 2021 SI LOCATION : GROUNDWATER

PREVIOUS ROC GROUND INVESTIGATIONS

- ROC BH101 — ROC 2020 SI LOCATION: PLOTS O & N
- ROC BH101 — ROC 2019 SI LOCATION: PLOT M
- REC WSBH04 — REC LTD 2019 SI LOCATION: PLOT O&N

NOTES

1) SITE ZONING TAKEN FROM U&I STRATEGIC REGENERATION FRAMEWORK DOCUMENT DATED SEPT 2019..
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- ROC CONSULTING PLOT O AND N PHASE 2 SITE INVESTIGATION DATED SEPT 2020
- ROC CONSULTING PLOT M PHASE 2 SITE INVESTIGATION DATED DEC 2019
- ROC CONSULTING PLOT M PHASE 2 SITE INVESTIGATION DATED AUG 2018
- REC LTD PLOT G & H PHASE 2 SITE INVESTIGATION DATED AUG 2019

REV.	DATE	DETAILS	DRN.	CHK.

DRAWING STATUS
INFORMATION

RIBA STAGE

RoC CONSULTING
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W rocconsulting.com

DRAWN	DATE	SCALES
LD	OCT 2020	NTS
CHECKED	DATE	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE--
AS	OCT 2020	
APPRVD.	DATE	EMAIL FOR DRAWINGS
AS	OCT 2020	info@rocconsulting.com

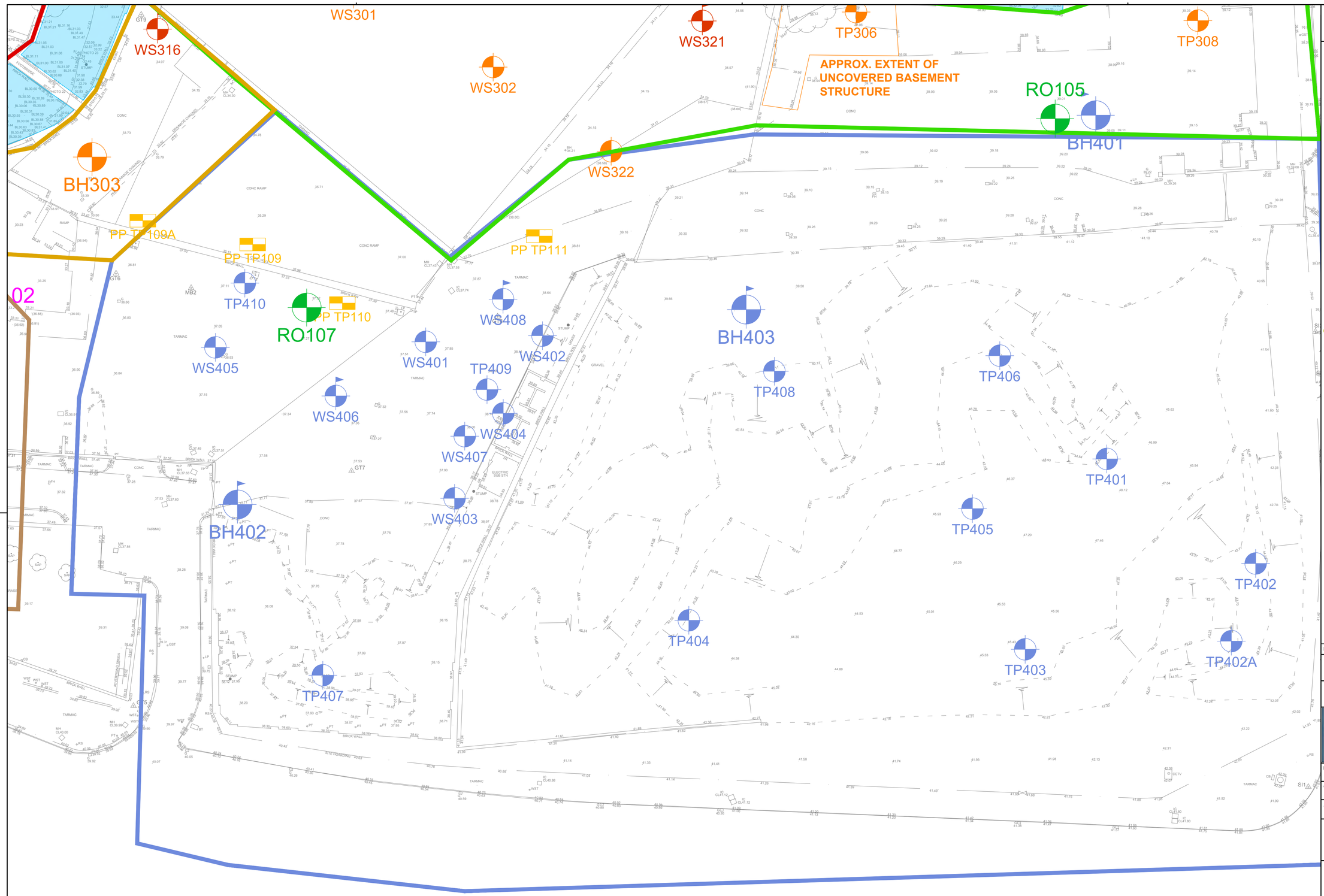
CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
SI ZONE 4 EXPLORATORY HOLE LOCATION PLAN

PROJECT No.	DRAWING No.	REV.
4153	ES203	R2

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NOTES TO ES204 NOTES

- SI ZONE 1 : PARK LAWNS
- SI ZONE 2 : WILD SCAPE AREA
- SI ZONE 3: MULTI USE GAME AREA (MUGA)
- SI ZONE 4 : SOUTH WEST PARK AREA
- SI ZONE 5 : HOYLE STREET WEST

CURRENT 2020 MAYFIELD PARK GROUND INVESTIGATION

- BH101 — ROC 2020 MAYFIELD PARK CABLE TOOL BOREHOLE LOCATION
- WS101 — ROC 2020 MAYFIELD PARK WINDOW SAMPLER BOREHOLE LOCATION
- TP101A — ROC 2020 MAYFIELD PARK TRIAL PIT LOCATION
- WSBH7 — ROC 2020 MAYFIELD PARK BOREHOLE WITH MONITORING WELL
- PH101 — ROC 2020 RIVER MEDLOCK FOUNDATION EXPOSURE LOCATION
- BH401 — ROC 2020 SI LOCATION : HOYLE ST WEST

ADDITIONAL 2021 GROUNDWATER INVESTIGATION

- RO101 — ROC 2021 SI LOCATION : GROUNDWATER

PREVIOUS ROC GROUND INVESTIGATIONS

- ROC BH101 — ROC 2020 SI LOCATION: PLOTS O & N
- ROC BH101 — ROC 2019 SI LOCATION: PLOT M
- REC WSBH04 — REC LTD 2019 SI LOCATION: PLOT O&N

NOTES

1) SITE ZONING TAKEN FROM U&I STRATEGIC REGENERATION FRAMEWORK DOCUMENT DATED SEPT 2019..
2) IT IS RECOMMENDED THE RESULTS FROM PHASE 2 SITE INVESTIGATIONS ARE REVIEW IN CONJUNCTION WITH THIS DRAWING
3) IN ADDITION TO THE RESULTS FROM THESE INVESTIGATIONS REFERENCE HAS ALSO BEEN MADE TO THE RESULTS OF PREVIOUS GROUND INVESTIGATIONS COMPLETED ACROSS THE SITE BY ROC CONSULTING AND OTHERS, NAMELY :

- ROC CONSULTING PLOT O AND N PHASE 2 SITE INVESTIGATION DATED SEPT 2020
- ROC CONSULTING PLOT M PHASE 2 SITE INVESTIGATION DATED DEC 2019
- ROC CONSULTING PLOT M PHASE 2 SITE INVESTIGATION DATED AUG 2018
- REC LTD PLOT G & H PHASE 2 SITE INVESTIGATION DATED AUG 2019

REV.	DATE	DETAILS	DRN.	CHK.

DRAWING STATUS
INFORMATION

RIBA STAGE

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LD	OCT 19	NTS
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PaW	OCT 20	
APPRVD.	DATE	EMAIL FOR DRAWINGS
AS	OCT 20	info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
ZONE 5 HOYLE ST W EXPLORATORY HOLE LOCATION PLAN

PROJECT No.	DRAWING No.	REV.
4153	ES204	R2

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NOTES

CURRENT 2020 MAYFIELD PARK GROUND INVESTIGATION

- WS307 — ROC 2020 MAYFIELD PARK BOREHOLE WITH MONITORING WELL
- ROC BH101 — ROC 2020 PLOTS O & N BOREHOLE WITH MONITORING WELL
- ROC BH101 — ROC 2019 PLOT M BOREHOLE WITH MONITORING WELL
- BH403 — ROC 2020 HOYLE ST WEST BOREHOLE WITH MONITORING WELL

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AS	DEC 20	
APPRVD.	DATE	EMAIL FOR DRAWINGS
AS	DEC 20	info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
SITE WIDE MONITORING WELL LOCATION PLAN

PROJECT No.	DRAWING No.	REV.
4153	ES205	R2

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NOTES

ES209 RESTING GROUNDWATER LEVELS

RO BH101 — GROUNDWATER MONITORING BOREHOLE

REC BH02 — EXISTING BEDROCK MONITORING WELL

DRAWING NOTES

1) BOREHOLES UTILISED TO ASSESS GROUNDWATER LEVELS AND QUALITY WITHIN THE UNDERLYING BEDROCK AQUIFER.
2) GROUNDWATER CONTOUR DATA TAKEN FROM 2021 MONITORING AND CREATED USING THE KRIDGING METHOD VIA SURFER SOFTWARE. ALL LEVELS ARE mAOD.
3) IT IS RECOMMENDED THE RESULTS FROM PHASE 2 SITE INVESTIGATIONS ARE REVIEW IN CONJUNCTION WITH THIS DRAWING
4) IN ADDITION TO THE RESULTS FROM THESE INVESTIGATIONS REFERENCE HAS ALSO BEEN MADE TO THE RESULTS OF PREVIOUS GROUND INVESTIGATIONS COMPLETED ACROSS THE SITE BY ROC CONSULTING AND OTHERS, NAMELY :

- ROC CONSULTING PLOT O AND N PHASE 2 SITE INVESTIGATION DATED SEPT 2020
- ROC CONSULTING PLOT M PHASE 2 SITE INVESTIGATION DATED DEC 2019

30.7
30.65
30.6
30.55
30.5
30.45
30.4
30.35
30.3
30.25
30.2
30.15
30.1
30.05

REV.	DATE	DETAILS	DRN.	CHK.

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LD	FEB 2021	NTS
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APPRVD.	DATE	EMAIL FOR DRAWINGS
AS	FEB 2021	info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
GROUNDWATER MONITORING: CONTOUR PLOT (mAOD)

PROJECT No.	DRAWING No.	REV.
4153	ES207	R1

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NOTES

PH00X — RIVER WALL/CULVERT FOUNDATION EXPOSURE

PH00X — RIVER WALL/CULVERT FOUNDATION EXPOSURE INCOMPLETE

NOTES

1) DYNAMIC MINI BOREHOLE COMPLETED FOLLOWING DISCUSSIONS WITH THE EA ALONG THE LINE OF THE RIVER WALL TO ALLOW THE FURTHER ASSESSMENT OF SOIL QUALITY IN PROXIMITY TO THE RIVER MEDLOCK (SEE EXPLORATORY HOLE LOCATIONS PH30X). THESE PROBE HOLES WERE CONTINUED AS MACHINE EXCAVATED TRIAL HOLES (ASSUMING NO CONTAMINATION RISKS ARE IDENTIFIED) TO ESTABLISH EXISTING RIVER WALL FOUNDATION CONSTRUCTION.

2) THIS DRAWING CORRESPONDS TO FE01 FOUNDATION EXPOSURES DOCUMENT

3) IT IS RECOMMENDED THE RESULTS FROM PHASE 2 SITE INVESTIGATIONS ARE REVIEW IN CONJUNCTION WITH THIS DRAWING

4) IN ADDITION TO THE RESULTS FROM THESE INVESTIGATIONS REFERENCE HAS ALSO BEEN MADE TO THE RESULTS OF PREVIOUS GROUND INVESTIGATIONS COMPLETED ACROSS THE SITE BY ROC CONSULTING AND OTHERS, NAMELY :

- ROC CONSULTING PLOT O AND N PHASE 2 SITE INVESTIGATION DATED SEPT 2020

PH301
NOT COMPLETED DUE TO ANTICIPATED DEPTH OF RIVER WALL

PH302 PH302A PH302B

PH303

NOT COMPLETED DUE TO SITE OBSTRUCTIONS

NOT COMPLETED DUE TO SITE OPERATIONS

PH304A

PH306

PH308A

PH313

PH307

PH308
NOT COMPLETED DUE TO SITE OBSTRUCTIONS

PH309

PH310

PH311

PH312A

PH313

PH320

PH314

PH315

PH316

NOT COMPLETED DUE TO ON SITE OBSTRUCTIONS

PH318

PH317
NOT COMPLETED DUE TO ANTICIPATED DEPTH OF RIVER WALL

RIVER MEDLOCK

NETHER STREET

BOND STREET

REV.	DATE	DETAILS	DRN.	CHK.

DRAWING STATUS
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RIBA STAGE

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RM	DEC 2020	NTS
CHECKED	DATE	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE –DO NOT SCALE–
AS	DEC 2020	
APPRVD.	DATE	EMAIL FOR DRAWINGS
AS	DEC 2020	info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
RIVER WALL FOUNDATION EXPOSURES

PROJECT No.	DRAWING No.	REV.
4153	ES208	R2

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NOTES

- APPROX HISTORICAL BATHS EXTENT
- PROP PLOTS O, N & M APPROX EXTENTS
- BH110 — EXPLORATORY HOLE LOCATION REPORTING SANDSTONE BEDROCK
- WEATHERED SS @ 32.80mAOD — DEPTH TO WEATHERED SANDSTONE BEDROCK (mAOD)
- RB300 — NORTH BANK CHAINAGE (m)
- LB300 — SOUTH BANK CHAINAGE (m)

DRAWING NOTES

1) EXPLORATORY HOLE LOCATIONS PLOTTED TO OS CO-ORDINATES.

2) PROPOSED DEVELOPMENT ARRANGEMENT TAKEN FROM BARRETTS AND SEW PLANS AND MAY BE SUBJECT TO AMENDMENT OR REVIEW.

3) HISTORICAL BATHS EXTERNAL EXTENT PLOTTED FROM HISTORICAL MAPPING. INTERNAL POOL EXTENT PRESUMED FROM FINDINGS OF 2020 SITE INVESTIGATION

4) RCC CONSULTING ACCEPTS NOT RESPONSIBILITY FOR ANY DAMAGES OR LOSS ARISING AS A RESULT OF THE USE OF THIS DRAWING

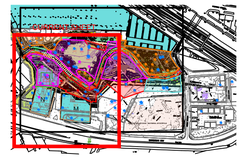
5) EXPLORATORY HOLE LOCATIONS CONJECTURED FROM THE FOLLOWING REPORTS :

- REC LTD PLOT O & N PHASE 2 SITE INVESTIGATION DATED 2019

6) PLEASE REFER TO ROC CONSULTING PHASE 2 SITE INVESTIGATION REPORT DATED SEPT 2020 (REF:ROCP/LD/AS/4134/P2_4134) FOR FINDINGS OF SITE INVESTIGATION WORKS.

7) COMMENTS ON RIVER WALL CONSTRUCTED TAKEN FROM ROC CONSULT REVIEW OF PHOTOMONTAGE AND HISTORICAL MAP RECORDS. REFER TO ROC CONSULTING SKETCH PLANS ROC-XX-XX-SK-S-RW109 AND RW110 FOR DETAILED COMMENTARY ON ASSUMED EXISTING RIVER WALL CONSTRUCTION

LIMITED GROUND INVESTIGATION INFORMATION IN AREA OF FORMER DIRT FACTORY. ASSUMED BOUNDARY BETWEEN ALLUVIUM AND SHALLOW BEDROCK TO BE CONSIDERED APPROXIMATE



REV.	DATE	DETAILS	DRN.	CHK.

DRAWING STATUS: INFORMATION

RIBA STAGE

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CHECKED: AS	DATE: NOV 2020	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE--
APPRVD.: AS	DATE: NOV 2020	EMAIL FOR DRAWINGS: info@rocconsulting.com

CLIENT: MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE: MAYFIELD MPLAN (PARK AND PLOTS O-M)

DRAWING TITLE: WEATHERED BEDROCK (mAOD) WESTERN SITE

PROJECT No.	DRAWING No.	REV.
4153	GE101	R1

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NOTES

- APPROX HISTORICAL BATHS EXTENT
- PROP PLOTS O, N & M APPROX EXTENTS
- BH110 — EXPLORATORY HOLE LOCATION REPORTING SANDSTONE BEDROCK
- WEATHERED SS @ 00.00mAOD — DEPTH TO WEATHERED SANDSTONE BEDROCK (mAOD)
- RB300 — NORTH BANK CHAINAGE (m)
- LB300 — SOUTH BANK CHAINAGE (m)

DRAWING NOTES

1) EXPLORATORY HOLE LOCATIONS PLOTTED TO OS CO-ORDINATES.

2) PROPOSED DEVELOPMENT ARRANGEMENT TAKEN FROM BARRETTS AND SEW PLANS AND MAY BE SUBJECT TO AMENDMENT OR REVIEW.

3) HISTORICAL BATHS EXTERNAL EXTENT PLOTTED FROM HISTORICAL MAPPING. INTERNAL POOL EXTENT PRESUMED FROM FINDINGS OF 2020 SITE INVESTIGATION

4) ROC CONSULTING ACCEPTS NOT RESPONSIBILITY FOR ANY DAMAGES OR LOSS ARISING AS A RESULT OF THE USE OF THIS DRAWING.

5) EXPLORATORY HOLE LOCATIONS CONJECTURED FROM THE FOLLOWING REPORTS :

- REC LTD PLOT O & N PHASE 2 SITE INVESTIGATION DATED 2019

6) PLEASE REFER TO ROC CONSULTING PHASE 2 SITE INVESTIGATION REPORT DATED SEPT 2020 (REF:ROCP/LDI/AS/4134/P2_4134) FOR FINDINGS OF SITE INVESTIGATION WORKS.

7) COMMENTS ON RIVER WALL CONSTRUCTED TAKEN FROM ROC CONSULT REVIEW OF PHOTOMONTAGE AND HISTORICAL MAP RECORDS. REFER TO ROC CONSULTING SKETCH PLANS ROC-XX-XX-SK-S-RW109 AND RW110 FOR DETAILED COMMENTARY ON ASSUMED EXISTING RIVER WALL CONSTRUCTION

GROUND INVESTIGATION
ION IN AREA OF FORMER
RY. ASSUMED BOUNDARY
ALLUVIUM AND SHALLOW
CK TO BE CONSIDERED
APPROXIMATE

WEATHERED SS
@ 29.33mAOD
RO104

WS323
WEATHERED SS
@ 31.85mAOD

BH302
WEATHERED SS
@ 29.37mAOD

PH317
WEATHERED SS
@ 34.40mAOD

WS321
WEATHERED SS
@ 33.21mAOD

WS302
WEATHERED SS
@ 33.91mAOD

RO105
WEATHERED SS
@ 34.05mAOD

BH401
WEATHERED SS
@ 34.04mAOD

WS322
WEATHERED SS
@ 35.54mAOD

BH403
WEATHERED SS
@ 38.15mAOD

WS407
WEATHERED SS
@ 35.45mAOD

RESTRICTED ACCESS : MATERIAL STOCKPILE

CHAPELFIELD ROAD

BH201
WEATHERED SS
@ 37.00mAOD

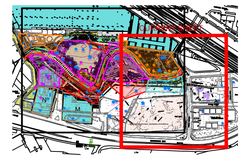
WS209
WEATHERED SS
@ 39.30mAOD

RACHEL STREET

BH203
WEATHERED SS
@ 37.45mAOD

HOYLE STREET INDUSTRIAL ESTATE

BH204
WEATHERED SS
@ 37.03mAOD



REV.	DATE	DETAILS	DRN.	CHK

DRAWING STATUS
INFORMATION

RIBA STAGE

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LD	OCT 2020	NTS
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AS	NOV 2020	
APPRVD.	DATE	EMAIL FOR DRAWINGS
AS	NOV 2020	info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE
MAYFIELD MPLAN
(PARK AND PLOTS O - M)

DRAWING TITLE
WEATHERED BEDROCK (mAOD) EASTERN SITE

PROJECT No.	DRAWING No.	REV.
4153	GE102	R1

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WS314
WEATHERED SS
@ 32.97mAOD

WS317
CLAY LAYER 32.29 TO
30.19mAOD

TP301
CLAY LAYER 34.57 TO
33.37mAOD

WS318
CLAY LAYER 33.41 TO
32.21mAOD

TP302
CLAY LAYER 34.13 TO
33.33mAOD

WS323
CLAY LAYER 33.55 TO
31.85mAOD

WS327
CLAY LAYER 32.52 TO
32.02mAOD

PP TP112
CLAY LAYER 35.64mAOD

WS326
CLAY LAYER 33.47 TO
32.40mAOD

WS330
CLAY LAYER 33.31 TO
32.81mAOD

TP304
CLAY LAYER 33.90mAOD

WS331
CLAY LAYER 33.75
TO 33.15mAOD

WS324
CLAY LAYER 33.56 TO
32.60mAOD

PH313
ALLUVIUM @ 30.83
TO 30.23mAOD

WS319
ALLUVIUM @ 32.49 TO
29.84mAOD

H301
UM @ 32.35 to
mAOD

TP312A
LLUVIUM @ 33.28mAOD

WS315
GLACIAL CLAY 32.98
to 29.58mAOD

PH308
ALLUVIUM @ 31.54mAOD

LIMITED GROUND INVESTIGATION INFORMATION IN AREA OF FORMER DIRT FACTORY. ASSUMED BOUNDARY BETWEEN ALLUVIUM AND SHALLOW BEDROCK TO BE CONSIDERED APPROXIMATE

WS321
NO DRFIT WEATHERED SS
@ 33.21mAOD

WS302
NO DRIFT WEATHERED
SS
@ 33.91mAOD

WS322
NO DRIFT WEATHERED
SS @ 35.54mAOD

BH303
NO DRIFT WEATHERED SS
@ 30.63mAOD

ATHERED
AOD

106
ROC BH102

PP110
ALLUVIUM @
32.78mAOD

RB-E1 RB-E2 RB-E3 RB-E4 RB-E5 RB-E6 RB-E7 RB-E8 RB-E9 RB-E10 RB-E11 RB-E12 RB-E13 RB-E14
LB-E1 LB-E2 LB-E3 LB-E4 LB-E5 LB-E6 LB-E7 LB-E8 LB-E9 LB-E10

APPROX HISTORICAL BATHS EXTENT

PROP PLOTS O, N & M APPROX EXTENTS

BH110 BH110 EXPLORATORY HOLE LOCATION

ASSUMED GLACIAL CLAY DRIFT DEPOSITS (WITH LEVEL INFORMATION)

ASSUMED ALLUVIAL DRIFT DEPOSITS (WITH LEVEL INFORMATION)

LIMITED (<0.5m) DRIFT DEPOSITS OVERLY BEDROCK

BACKFILLED MANCHESTER BREWERY BASEMENT EXTENT (APPROX)

DRAWING NOTES

1) EXPLORATORY HOLE LOCATIONS PLOTTED TO OS CO-ORDINATES.

2) PROPOSED DEVELOPMENT ARRANGEMENT TAKEN FROM BARRETTS AND SEW PLANS AND MAY BE SUBJECT TO AMENDMENT OR REVIEW.

3) HISTORICAL BATHS EXTERNAL EXTENT PLOTTED FROM HISTORICAL MAPPING. INTERNAL POOL EXTENT PRESUMED FROM FINDINGS OF 2020 SITE INVESTIGATION

4) ROC CONSULTING ACCEPTS NOT RESPONSIBILITY FOR ANY DAMAGES OR LOSS ARISING AS A RESULT OF THE USE OF THIS DRAWING

5) EXPLORATORY HOLE LOCATIONS CONJECTURED FROM THE FOLLOWING REPORTS :

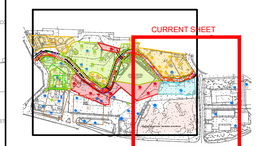
- REC LTD PLOT O & N PHASE 2 SITE INVESTIGATION DATED 2019

6) PLEASE REFER TO ROC CONSULTING PHASE 2 SITE INVESTIGATION REPORT DATED SEPT 2020 (REF ROCP/LD/AS/4134/P2_4134) FOR FINDINGS OF SITE INVESTIGATION WORKS.

7) INDICATED EXTENT OF DRIFT DEPOSITS HAS BEEN CONJECTURED FROM EXPLORATORY HOLE RECORDS DURING VARIOUS GROUND INVESTIGATIONS ACROSS THE SITE AND SHOULD BE CONSIDERED AS INDICATIVE AND APPROXIMATE

8) DRIFT DEPOSITS WILL BE SUBJECT TO LOCALISED VARIANCE FROM THAT INDICATED THIS PLAN. INCLUSIONS OF CLAY OR SILTY SAND MAY OCCUR IN POCKETS / ZONES IN CONTRADICTION OF PATTERNS INDICATED ON THIS PLAN

9) THE PLAN HAS BEEN COLLATED TO SHOW APPROXIMATE EXTENTS OF LIKELY DRIFT GEOLOGY UNDERLING MADE GROUND DEPOSITS AND SHOULD BE REVIEWED FOR INFORMATION ONLY



REV.	DATE	DETAILS	DRN.	CHK

DRAWING STATUS
INFORMATION

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APPRVD.	DATE	EMAIL FOR DRAWINGS
AS	FEB 2021	info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE
MAYFIELD MPLAN (PARK AND PLOTS O - M

DRAWING TITLE
CONJECTURED EXTENT OF DRIFT DEPOSITS EASTERN SITE

PROJECT No.	DRAWING No.	REV.
4153	GE104	R1

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APPROX HISTORICAL BATHS EXTENT

PROP PLOTS O, N & M APPROX EXTENTS

EXPLORATORY HOLE LOCATION

ASSUMED GLACIAL CLAY DRIFT DEPOSITS (WITH LEVEL INFORMATION)

ASSUMED ALLUVIAL DRIFT DEPOSITS (WITH LEVEL INFORMATION)

LIMITED (<0.5m) DRIFT DEPOSITS OVERLY BEDROCK

BACKFILLED MANCHESTER BREWERY BASEMENT EXTENT (APPROX)

DRAWING NOTES

1) EXPLORATORY HOLE LOCATIONS PLOTTED TO OS CO-ORDINATES.

2) PROPOSED DEVELOPMENT ARRANGEMENT TAKEN FROM BARRETTS AND SEW PLANS AND MAY BE SUBJECT TO AMENDMENT OR REVIEW.

3) HISTORICAL BATHS EXTERNAL EXTENT PLOTTED FROM HISTORICAL MAPPING. INTERNAL POOL EXTENT PRESUMED FROM FINDINGS OF 2020 SITE INVESTIGATION

4) ROC CONSULTING ACCEPTS NOT RESPONSIBILITY FOR ANY DAMAGES OR LOSS ARISING AS A RESULT OF THE USE OF THIS DRAWING

5) EXPLORATORY HOLE LOCATIONS CONJECTURED FROM THE FOLLOWING REPORTS :

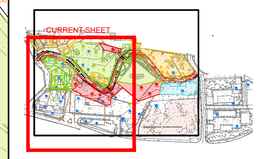
- REC LTD PLOT O & N PHASE 2 SITE INVESTIGATION DATED 2019

6) PLEASE REFER TO ROC CONSULTING PHASE 2 SITE INVESTIGATION REPORT DATED SEPT 2020 (REF ROCPLDASH134P2_4134) FOR FINDINGS OF SITE INVESTIGATION WORKS.

7) INDICATED EXTENT OF DRIFT DEPOSITS HAS BEEN CONJECTURED FROM EXPLORATORY HOLE RECORDS DURING VARIOUS GROUND INVESTIGATIONS ACROSS THE SITE AND SHOULD BE CONSIDERED AS INDICATIVE AND APPROXIMATE

8) DRIFT DEPOSITS WILL BE SUBJECT TO LOCALISED VARIANCE FROM THAT INDICATED THIS PLAN. INCLUSIONS OF CLAY OR SILTY SAND MAY OCCUR IN POCKETS / ZONES IN CONTRADICTION OF PATTERNS INDICATED ON THIS PLAN

9) THE PLAN HAS BEEN COLLATED TO SHOW APPROXIMATE EXTENTS OF LIKELY DRIFT GEOLOGY UNDERLING MADE GROUND DEPOSITS AND SHOULD BE REVIEWED FOR INFORMATION ONLY



WS307 GLACIAL CLAY LAYER @ 33.43mAOD

WS308 CLAY LAYER @ 32.40mAOD

WS315 CLAY LAYER @ 33.78 to 32.48mAOD

WS306 ALLUVIAL @ 32.92 TO 32.42mAOD

TP313 ALLUVIAL SOILS @ 32.30 TO 30.60mAOD

WS304 ALLUVIAL SOILS @ 30.95mAOD

WS307 ALLUVIAL 32.83 TO 32.43mAOD

WS314 WEATHERED SS @ 32.97mAOD

WS317 CLAY LAYER @ 32.29 TO 30.19mAOD

BH109A ALLUVIAL SOILS @ 30.25 TO 28.25mAOD

BH110 ALLUVIAL SOILS @ 29.84 TO 28.74mAOD

WS309 ALLUVIUM @ 32.33 @ 31.23mAOD

BH301 ALLUVIUM @ 32.35 to 30.50mAOD

TP114 ALLUVIUM @ 33.48mAOD

PH313 ALLUVIUM @ 30.83 TO 30.23mAOD

WS319 ALLUVIUM @ 32.49 TO 29.94mAOD

Plot O Poulton Office

TP106 ALLUVIUM @ 32.39 TO 30.69mAOD

PH305 ALLUVIAL CLAY LAYER 32.19 to 31.00mAOD

PH304 ALLUVIUM @ 31.93 to 29.38mAOD

TP312A ALLUVIUM @ 33.28mAOD

PP TP103 CLAY LAYER @ 32.92mAOD

TP110 CLAY LAYER @ 32.68mAOD

TP107 ALLUVIAL CLAY @ 30.88 to 28.4mAOD

PH306 ALLUVIUM @ 32.18mAOD

WS315 GLASIAL CLAY 32.98 to 29.58mAOD

TP110 NO DRIFT WEATHERED SS @ 32.90mAOD

PH308 ALLUVIUM @ 31.54mAOD

TP108 ORGANIC RICH CLAY to 28.68mAOD

TP109 ORGANIC RICH CLAY @ 32.82 to 28.82mAOD

PH307 NO DRIFT WEATHERED SS @ 29.49mAOD

WS302 NO DRIFT WEATHERED SS @ 33.91mAOD

TP106 ORGANIC RICH CLAY @ 32.39 to 30.49mAOD

PLOT M ROC WS101 NO DRIFT WEATHERED SS @ 32.90mAOD

SA3 NO DRIFT WEATHERED SS @ 32.88mAOD

BH303 NO DRIFT WEATHERED SS @ 30.63mAOD

Plot N MSCP

TP107 ORGANIC RICH CLAY @ 30.88 to 28.48mAOD

Plot M Office

PP110 ALLUVIUM @ 32.78mAOD

LIMITED GROUND INVESTIGATION INFORMATION IN AREA OF FORMER DIRT FACTORY. ASSUMED BOUNDARY BETWEEN ALLUVIUM AND SHALLOW BEDROCK TO BE CONSIDERED APPROXIMATE

REV.	DATE	DETAILS	DRN.	CHK.

DRAWING STATUS: INFORMATION

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AS	FEB 2021	info@rocconsulting.com

CLIENT: MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE: MAYFIELD MPLAN (PARK AND PLOTS O-M)

DRAWING TITLE: CONJECTURED EXTENT OF DRIFT DEPOSITS WESTERN SITE

PROJECT No.	DRAWING No.	REV.
4153	GE103	R1

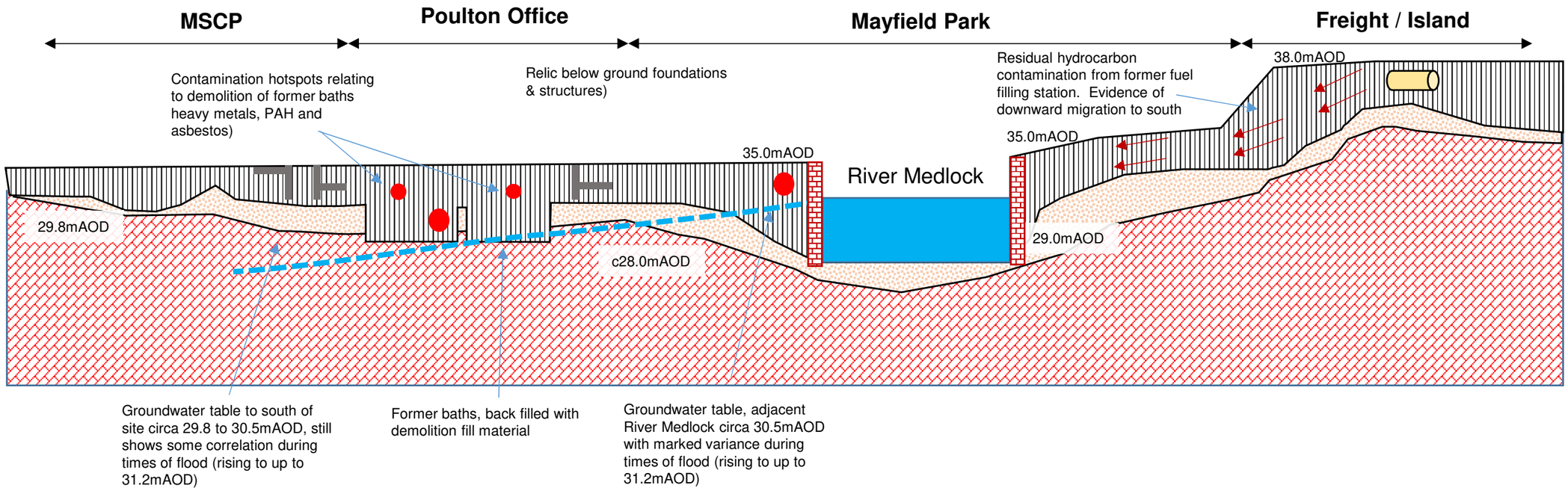
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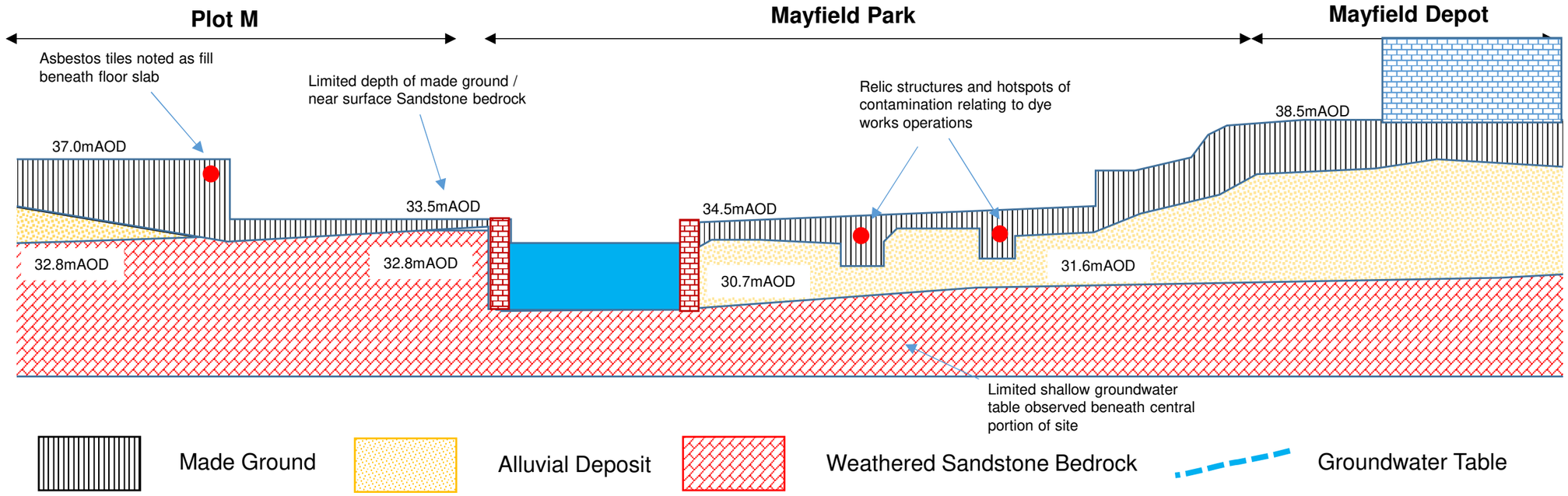
RoC CONSULTING	JOB NO	4153	SKETCH NO	CSM101	DRAWN BY : AS 10 / 12 / 20
	PROJECT TITLE	Mayfield Park	SKETCH TITLE	Conceptual Model Cross Section	

COMPLEX CHALLENGES ... MADE SIMPLE

Section A-A : Western Conceptual Site Section



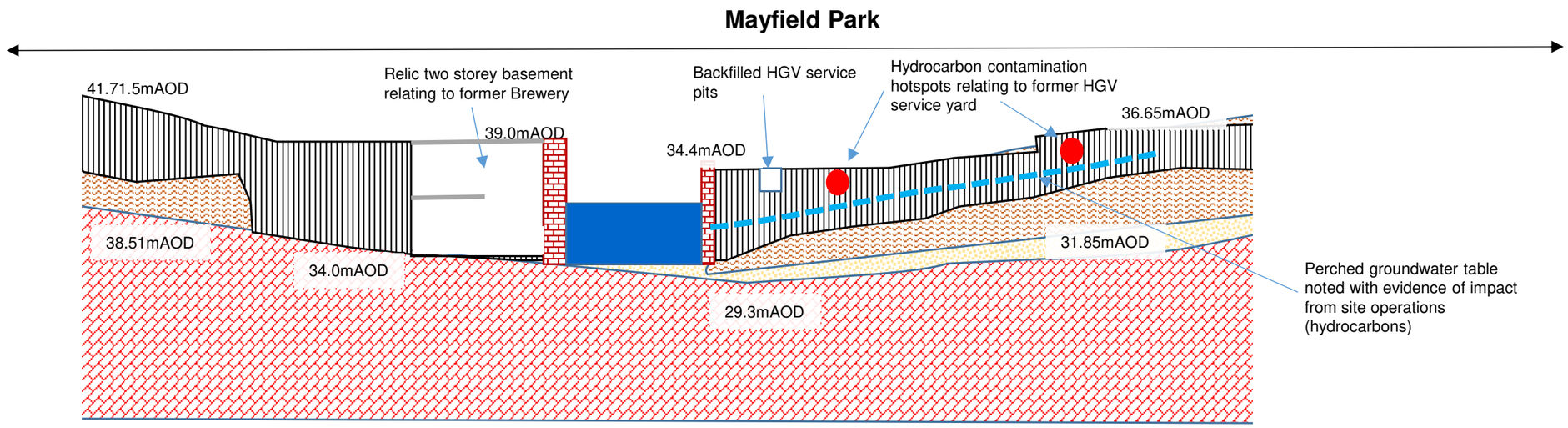
Section B-B : Central Conceptual Site Section



RoC CONSULTING	JOB NO	4153	SKETCH NO	CSM101	DRAWN BY : AS 10 / 12 / 20
	PROJECT TITLE	Mayfield Park	SKETCH TITLE	Conceptual Model Cross Section	

COMPLEX CHALLENGES ... MADE SIMPLE

Section C-C : Eastern Conceptual Site Section



Made Ground

Alluvial Deposit

Weathered Sandstone Bedrock

Groundwater Table

Glacial Clays

JOB NO	4153	SKETCH NO	CSM101	DRAWN BY : AS 10 / 12 / 20
PROJECT TITLE	Mayfield Park	SKETCH TITLE	Conceptual Model Cross Section	

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NOTES

- NO EVIDENCE OF CONTAMINATION REPORTED
- EXCEEDANCE OF TIER 1 LEACHATE VALUES WITH DETAILS
- MAYFIELD PARK BOUNDARY

DRAWING NOTES

1) EXPLORATORY HOLE LOCATIONS PLOTTED TO OS CO-ORDINATES.

2) EXPLORATORY HOLES FORMED AS PART OF THE FOLLOWING REPORTS:
- REC 2019 PLOT O+N SITE INVESTIGATION (REF 10684IP2R0)
- ROC CONSULTING 2019 PLOT M SITE INVESTIGATION (REF LD/AS/P23986)
- ROC CONSULTING 2020 PLOTS O+N SITE INVESTIGATION (REF LD/AS/4134)
- ROC CONSULTING 2020 MAYFIELD PARK SITE INVESTIGATION (REF LD/AS/P24153). PLEASE REFER TO THESE REPORTS FOR FURTHER DETAILS ON GROUND CONDITIONS REPORTED

3) DETAILS OF CONTAMINANTS LISTED AS ABBREVIATIONS:
- Pb: LEAD
- As: ARSENIC
- Cr: CHROMIUM
- BaP: BENZO(a)PYRENE

4) SOILS AND GROUNDWATER SCREENED AGAINST PUBLISHED UKDWS VALUES OR SITE SPECIFIC CRITERIA AS SPECIFIED IN THE ROC CONSULTING PHASE 2 SITE INVESTIGATION REPORT

5) REFER TO ROC CONSULTING MAYFIELD PARK PHASE 3A REPORT FOR DETAILS OF REMEDIAL STRATEGY

2	10/03/21	E3P TRIAL HOLES ADDED	RM	AS

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KEY PLAN

HC SOURCE 3

HC SOURCE 1

HC SOURCE 2

HC SOURCE 2

HC SOURCE 1

HC SOURCE 3

NO EVIDENCE OF CONTAMINATION REPORTED

EVIDENCE OF TPH IMPACTED SOILS

MAYFIELD RARK BOUNDARY

DRAWING NOTES

1) EXPLORATORY HOLE LOCATIONS PLOTTED TO OS CO-ORDINATES.

2) EXPLORATORY HOLES FORMED AS PART OF THE FOLLOWING REPORTS:
- REC 2019 PLOT O+N SITE INVESTIGATION (REF 106841P2R0)
- ROC CONSULTING 2019 PLOT M SITE INVESTIGATION (REF LD/AS/P23986)
- ROC CONSULTING 2020 PLOTS O+N SITE INVESTIGATION (REF LD/AS/4134)
- ROC CONSULTING 2020 MAYFIELD PARK SITE INVESTIGATION (REF LD/AS/P24153). PLEASE REFER TO THESE REPORTS FOR FURTHER DETAILS ON GROUND CONDITIONS REPORTED

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- Cr: CHROMIUM
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5) REFER TO ROC CONSULTING MAYFIELD PARK PHASE 3A REPORT FOR DETAILS OF REMEDIAL STRATEGY

HC SOURCE 1

DIFFUSE SOURCE OF TPH CONTAMINATION NOTED AT MULTIPLE BOREHOLE LOCATIONS WITHIN INDICATED AREA. SOURCE BELIEVED TO RELATE TO FORMER HGV SERVICE AND REPAIR OPERATIONS IN THIS AREA RELATING TO "CITY EXCAVATIONS".

HYDROCARBON CONTAMINANTS PRESENT IN MADE GROUND AND APPEARS TO BE PERCHED ON TOP OF LOW PERMEABILITY CLAY STRATA.

PRECISE SPATIAL EXTENT TO BE DELINEATED VIA TRIAL TRENCHING AND ALL IMPACTED SOILS AND REMOVED FROM SITE. A 200MM CONFIDENCE SCRAPE SHOULD BE COMPLETED INTO UNIMPACTED NATURAL STRATA AND CONFIRMATORY CHEMICAL TESTS OBTAINED TO CONFIRM NO RESIDUAL CONTAMINANTS REMAIN.

HC SOURCE 2

POINT SOURCE OF CONTAMINATION RELATING TO (NOW REMOVED) ABOVE GROUND STORAGE TANK. TANK BUND AND STRUCTURE STILL REMAIN IN SITU. EVIDENCE OF HYDROCARBON CONTAMINATION WITHIN MADE GROUND ACROSS INDICATED AREA BASED ON BOREHOLE OPERATIONS. SOME DOWN GRADIENT IMPACT OR LEACHING INTO UNDERLYING NATURAL SANDS ALSO NOTED.

PRECISE SPATIAL EXTENT TO BE DELINEATED VIA TRIAL TRENCHING AND ALL IMPACTED SOILS AND REMOVED FROM SITE. A 200MM CONFIDENCE SCRAPE SHOULD BE COMPLETED INTO UNIMPACTED NATURAL STRATA AND CONFIRMATORY CHEMICAL TESTS OBTAINED TO CONFIRM NO RESIDUAL CONTAMINANTS REMAIN.

HC SOURCE 3

POINT SOURCE OF CONTAMINATION RELATING TO (NOW REMOVED) ABOVE GROUND STORAGE TANK. LIMITED AND LOCALISED IMPACTS NOTED IN BOREHOLE FORMED IN THIS AREA. SPATIAL EXTENT TO BE DELINEATED AND REMOVED.

REV.	DATE	DETAILS	DRN.	CHK

DRAWING STATUS: INFORMATION

RIBA STAGE:

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APPRVD.	DATE	EMAIL FOR DRAWINGS
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CLIENT: MAYFIELD PARTNERSHIP LTD

PROJECT TITLE: MAYFIELD PARK

DRAWING TITLE: REMEDIATION STRATEGY: ORGANIC HOTSPOT LOCATIONS

PROJECT No.	DRAWING No.	REV.
4153	REM102	1

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RO101

RO102

RO103

RO104

RO105

RO106

RO107

PLOT M BH102

RIVER MEDLOCK

BARKING STREET

MEATHER STREET

BOND STREET

NO EVIDENCE OF CONTAMINATION REPORTED IN AQUIFER

EXCEEDANCE OF TIER 1 GROUNDWATER VALUES WITH DETAILS

MAYFIELD PARK BOUNDARY

DRAWING NOTES

1) EXPLORATORY HOLE LOCATIONS PLOTTED TO OS CO-ORDINATES.

2) EXPLORATORY HOLES FORMED AS PART OF THE FOLLOWING REPORTS:
- REC 2019 PLOT O+N SITE INVESTIGATION (REF 108841P2R0)
- ROC CONSULTING 2019 PLOT M SITE INVESTIGATION (REF LD/AS/P23986)
- ROC CONSULTING 2020 PLOTS O+N SITE INVESTIGATION (REF LD/AS/4134)
- ROC CONSULTING 2020 MAYFIELD PARK SITE INVESTIGATION (REF LD/AS/P24153). PLEASE REFER TO THESE REPORTS FOR FURTHER DETAILS ON GROUND CONDITIONS REPORTED

3) DETAILS OF CONTAMINANTS LISTED AS ABBREVIATIONS:
- Pb: LEAD
- As: ARSENIC
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- BaP: BENZO(a)PYRENE

4) SOILS AND GROUNDWATER SCREENED AGAINST PUBLISHED UKOWS VALUES OR SITE SPECIFIC CRITERIA AS SPECIFIED IN THE ROC CONSULTING PHASE 2 SITE INVESTIGATION REPORT

5) REFER TO ROC CONSULTING MAYFIELD PARK PHASE 3A REPORT FOR DETAILS OF REMEDIAL STRATEGY

REV.	DATE	DETAILS	DRN.	CHK.

DRAWING STATUS
INFORMATION

RIBA STAGE

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CHECKED	DATE	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE –DO NOT SCALE–
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APPRVD.	DATE	EMAIL FOR DRAWINGS
AS	MAR 21	info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD PARK

DRAWING TITLE
REMEDIATION STRATEGY: GWATER HOTSPOT LOCATIONS

PROJECT No.	DRAWING No.	REV.
4153	REM103	1

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APPENDIX B – EXPLORATORY HOLE LOG SHEETS

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 08/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385105.70 N397594.81
Project No. : 4153	Crew Name: J. Burnlees	Drilling Equipment: Dando 3000 MK2

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
BH301	CP	34.50m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								CONCRETE with 10mm rebar (MADE GROUND)
		0.30 - 0.80	B		0.24	34.26		
					0.40	34.10		Dark grey and black sandy angular fine to coarse brick, limestone and concrete GRAVEL with ash. (MADE GROUND)
		0.60	ES		0.60	33.90		Grey stone setts (MADE GROUND)
		0.80 - 1.20	B		0.80	33.70		Dark grey and black sandy angular fine to coarse brick, limestone and concrete GRAVEL with ash. (MADE GROUND)
		1.20 - 1.70 1.20	B SPT	N=20 (4,2/2,9,4,5)				Loose brick masonry wall (MADE GROUND)
		2.00 - 2.50 2.00	B SPT	N=5 (1,1/0,2,1,2)				
					2.15	32.35		Soft light brown slightly silty slightly gravelly very sandy CLAY. Gravel is subangular to rounded fine to coarse quartz, mudstone and sandstone. (ALLUVIUM)
		3.00 - 3.50 3.00	B SPT	N=13 (3,3/2,3,3,5)	2.80	31.70		Medium dense brown slightly silty slightly gravelly slightly clayey fine to coarse SAND. Gravel is fine to coarse subangular to rounded quartz and mudstone with occasional cobbles. (ALLUVIUM)
	▼	4.00 - 4.50 4.00	B SPT	50 (25 for 114mm/50 for 44mm)	4.00	30.50		Extremely weak reddish brown SANDSTONE. Completely weathered. Recovered as sand. (CHESTER SANDSTONE FORMATION)
					5.00	29.50		End of Borehole at 5.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
5.00	150	5.00	150	4.90	5.00			0.00	5.00		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was observed at 4.3mbgl. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 3.0 and 5.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385231.77 N397570.67
Project No. : 4153	Crew Name: J. Burnlees	Drilling Equipment: Dando 3000 MK2

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
BH302	CP	34.47m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.05 - 0.35	B					Vegetation over dark brown clayey sandy angular fine to coarse brick, concrete GRAVEL (MADE GROUND)
		0.35 - 1.00	B		0.35	34.12		Medium dense dark grey and black sandy angular fine to coarse brick, limestone, concrete GRAVEL with ash and rotting timber. Strong hydrocarbon odour at 0.55mbgl (MADE GROUND)
	▼	1.20 - 1.70 1.20	B SPT	N=13 (3,4/6,3,2,2)				
		1.50	ES					
		2.00 2.00 - 2.50 2.00	ES B SPT	N=5 (1,1/1,1,2,1)				
					2.40	32.07		Firm light brown slightly silty slightly gravelly very sandy CLAY. Gravel is fine to coarse subangular to rounded quartz, mudstone and sandstone. (ALLUVIUM)
		3.00 3.00 - 3.50	D UT	Ublow=27				
	▼	4.00 - 4.50 4.00	B SPT	N=13 (2,3/2,4,3,4)	4.10	30.37		Medium dense brown sandy subangular to rounded fine to coarse GRAVEL/COBBLES of natural lithologies (ALLUVIUM; river deposits)
		5.00 - 5.50	B					

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
5.50	150	5.50	150	4.90 5.30	5.00 5.50			0.00	5.50		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater contaminated with hydrocarbons was observed at 0.55mbgl. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 2.5mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385231.77 N397570.67
Project No. : 4153	Crew Name: J. Burnlees	Drilling Equipment: Dando 3000 MK2

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
BH302	CP	34.47m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	50 (25 for 116mm/50 for 38mm)	5.10	29.37		Medium dense brown sandy subangular to rounded fine to coarse GRAVEL/COBBLES of natural lithologies (ALLUVIUM; river deposits)
								Extremely weak reddish brown SANDSTONE. Completely weathered. Recovered as sand. (CHESTER SANDSTONE FORMATION)
					5.50	28.97		End of Borehole at 5.500m

6 7 8 9 10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
5.50	150	5.50	150	4.90 5.30	5.00 5.50			0.00	5.50		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater contaminated with hydrocarbons was observed at 0.55mbgl. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 2.5mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 10/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385122.21 N397532.64
Project No. : 4153	Crew Name: J. Burnlees	Drilling Equipment: Dando 3000 MK2

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
BH303	CP	33.55m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.25 - 0.60	B		0.25	33.30		CONCRETE with 10mm rebar (MADE GROUND)
		0.60 - 0.85	B		0.60	32.95		Brown very gravelly fine to coarse SAND. Gravel is angular fine to coarse brick and concrete. (MADE GROUND)
		0.85 - 1.20	B		0.85	32.70		Brown stone setts (MADE GROUND)
		1.00	ES					Brownish grey slightly silty clayey gravelly fine to coarse SAND. Gravel is angular fine to coarse brick and concrete with ash. (MADE GROUND)
		1.20 - 1.40	B					
		1.20	SPT	50 (25 for 88mm/50 for 40mm)	1.30	32.25		Extremely weak reddish brown SANDSTONE. Completely weathered. Recovered as sand. (CHESTER SANDSTONE FORMATION)
		1.45	SPT	50 (25 for 1mm/50 for 3mm)	1.45	32.10		End of Borehole at 1.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.45	150	0.00	150	1.20	1.45			0.00	1.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385250.33 N397538.05
Project No. : 4153	Crew Name: J. Burnlees	Drilling Equipment: Dando 3000 MK2

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
BH401	CP	39.04m AoD	LD	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	38.84		CONCRETE with 10mm rebar (MADE GROUND)
		0.40 - 1.00	B					Loose greyish brown slightly clayey sandy angular fine to coarse brick, concrete, limestone GRAVEL with ash present. Rare slate, timber and glass. (MADE GROUND)
		1.00	ES					
		1.20 - 1.70 1.20	B SPT	N=10 (1,2/3,3,2,2)				
		2.00 - 2.50 2.00	B SPT	N=8 (1,2/1,2,3,2)	2.10	36.94		Soft greyish brown slightly sandy gravelly CLAY. Gravel is angular to subangular fine to coarse brick, concrete, limestone. (MADE GROUND)
		2.50	ES					
		3.00 - 3.50 3.00	B SPT	N=17 (2,3/5,5,4,3)	2.80	36.24		Medium dense greyish brown slightly clayey sandy angular fine to coarse brick, concrete, limestone GRAVEL with ash present. Rare slate and glass. (MADE GROUND; demolition fill)
		4.00 - 4.50 4.00	B SPT	N=50 (4,5/50 for 266mm)				
		5.00 - 5.50	B		5.00	34.04		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
6.20	150	6.00	150	6.00	6.20			0.00	6.20		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 5.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385250.33 N397538.05
Project No. : 4153	Crew Name: J. Burnlees	Drilling Equipment: Dando 3000 MK2

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
BH401	CP	39.04m AoD	LD	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	50 (25 for 99mm/50 for 94mm)				Extremely weak reddish brown SANDSTONE. Completely weathered. Recovered as sand. (CHESTER SANDSTONE FORMATION)
		6.00 - 6.20	D					
		6.00	SPT	50 (25 for 109mm/50 for 61mm)	6.20	32.84		End of Borehole at 6.200m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
6.20	150	6.00	150	6.00	6.20			0.00	6.20		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 5.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 10/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385206.94 N397512.88
Project No. : 4153	Crew Name: J. Burnlees	Drilling Equipment: Dando 3000 MK2

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
BH402	CP	37.65m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
		0.05 - 0.60	B					ASPHALT (MADE GROUND)
					0.20	37.45		Brown slightly clayey sandy angular fine to coarse brick GRAVEL. (MADE GROUND)
		0.50	ES					
		0.60 - 1.00	B		0.60	37.05		Loose brick masonry in a matrix of brown sandy clay (MADE GROUND)
		1.20 - 1.70	B					
		1.20	SPT	N=32 (7,6/6,8,9,9)				
		2.00 - 2.50	B					
		2.00	SPT	N=46 (9,12/10,11,13,12)				
		3.00 - 3.50	B					
		3.00	SPT	50 (11,13/50 for 156mm)	3.10	34.55		Intact light brown sandstone brick sett (MADE GROUND)
					3.30	34.35		Extremely weak reddish brown SANDSTONE. Completely weathered. Recovered as sand. (CHESTER SANDSTONE FORMATION)
		4.00 - 4.30	B					
		4.00	SPT	50 (11,14/50 for 96mm)				
					4.30	33.35		End of Borehole at 4.300m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
4.30	150	4.00	150	4.10	4.30			0.00	4.30		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 3.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385206.94 N397512.88
Project No. : 4153	Crew Name: J. Burnlees	Drilling Equipment: Dando 3000 MK2

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
BH403	CP	41.71m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.45	B					Compacted brown sandy angular fine to coarse brick, concrete and limestone GRAVEL. (MADE GROUND)
		0.45 - 1.00	B		0.45	41.26		Soft greyish brown slightly sandy slightly gravelly CLAY. Gravel is angular to subangular fine to coarse brick, concrete, limestone. (MADE GROUND; reworked natural)
		1.00	ES		1.00	40.71		Stiff becoming very stiff brown slightly gravelly sandy CLAY. Gravel is fine to medium quartz and mudstone. with occasional cobble of mudstone (GLACIAL TILL)
		1.20 - 1.70	B					
		1.20	SPT	N=47 (9,8/9,11,12,15)				
		2.00 - 2.50	B					
		2.00	SPT	50 (9,12/50 for 126mm)				
		3.00 - 3.40	B					
		3.00	SPT	50 (9,15/50 for 109mm)				
					3.20	38.51		Extremely weak reddish brown SANDSTONE. Completely weathered. Recovered as sand. (CHESTER SANDSTONE FORMATION)
		3.40	SPT	50 (25 for 10mm/50 for 10mm)	3.40	38.31		End of Borehole at 3.400m

1
2
3
4
5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
3.40	150	3.00	150	3.20	3.40			0.00	3.40		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 3.0mbgl.

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 10/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385047.91 N397601.32
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO101	RO	34.63m AoD	RM	1:50	Sheet 1 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
								0.10	34.53		Concrete slab (MADE GROUND)
		0.50	ES								Dark brown very gravelly SAND. Gravel sub angular to angular fine to medium of brick, slate and concrete with occasional timber fragments (MADE GROUND)
								4.00	30.63		Brown sandy subrounded to rounded fine to medium GRAVEL of mixed lithologies (Alluvium; river deposits)
								8.70	25.93		Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
15.00	127	9.00	127					0.00	15.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 10 and 15.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 10/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385047.91 N397601.32
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO101	RO	34.63m AoD	RM	1:50	Sheet 2 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
											Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)
								15.00	19.63		End of Borehole at 15.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
15.00	127	9.00	127					0.00	15.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 10 and 15.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 11/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385109.00 N397612.55
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO102	RO	34.28m AoD	RM	1:50	Sheet 1 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
											Dark brown very gravelly SAND. Gravel sub angular to angular fine to medium of brick and slate (MADE GROUND)
								1.60	32.68		Brown clayey gravelly SAND. Gravel is sub rounded to rounded of mudstone and sandstone (ALLUVIUM)
								2.40	31.88		Brown sandy subrounded to rounded fine to medium GRAVEL of mixed lithologies (Alluvium; river deposits)
								2.70	31.58		Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)

1 2 3 4 5 6 7 8 9 10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
20.00	127	4.00	127					0.00	20.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 8.00 and 20.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 11/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385109.00 N397612.55
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO102	RO	34.28m AoD	RM	1:50	Sheet 2 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
											Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)
								20.00	14.28		End of Borehole at 20.000m

11 12 13 14 15 16 17 18 19 20

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
20.00	127	4.00	127					0.00	20.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 8.00 and 20.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 10/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385085.84 N397574.75
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO103	RO	34.42m AoD	RM	1:50	Sheet 1 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
		0.50	ES								Dark brown very gravelly SAND. Gravel sub angular to angular fine to medium of brick and concrete (MADE GROUND)
		1.20	ES								
								1.70	32.72		Brown slightly clayey slightly gravelly SAND. Gravel is sub rounded to rounded of various lithologies (ALLUVIUM)
								3.90	30.52		Brown sandy subrounded to rounded fine to medium GRAVEL of mixed lithologies (Alluvium; river deposits)
								4.40	30.02		Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)

1 2 3 4 5 6 7 8 9 10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
15.00	127	4.50	127					0.00	15.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 5.00 and 15.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 10/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385085.84 N397574.75
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO103	RO	34.42m AoD	RM	1:50	Sheet 2 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
											Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)
								15.00	19.42		End of Borehole at 15.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
15.00	127	4.50	127					0.00	15.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 5.00 and 15.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 08/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385237.75 N397592.61
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO104	RO	36.33m AoD	RM	1:50	Sheet 1 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
								0.10	36.23		Concrete slab (MADE GROUND)
		0.50	ES								Greyish brown sandy angular to sub angular fine to coarse GRAVEL of brick and concrete and clinker (MADE GROUND)
								0.80	35.53		Brown sandy gravelly CLAY. Gravel is sub angular to subrounded of brick (MADE GROUND)
		2.00	ES								
								3.60	32.73		Brown silty SAND (Alluvium)
		6.30	ES					6.30	30.03		Brown sandy subrounded to rounded fine to medium GRAVEL of mixed lithologies (Alluvium; river deposits)
								7.00	29.33		*…at 6.30mbgl strong hydrocarbon odour encountered*
											Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
15.00	127	7.00	127					0.00	15.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 7.00 and 15.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 08/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385237.75 N397592.61
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO104	RO	36.33m AoD	RM	1:50	Sheet 2 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
											Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)
								15.00	21.33		End of Borehole at 15.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
15.00	127	7.00	127					0.00	15.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 7.00 and 15.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 09/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385249.43 N397537.46
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO105	RO	39.05m AoD	RM	1:50	Sheet 1 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
								0.10	38.95		Concrete slab (MADE GROUND)
											Greyish brown sandy angular to sub angular fine to coarse GRAVEL of brick concrete and clinker (MADE GROUND)
		1.00	ES								
		2.50	ES								
								5.00	34.05		Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
15.00	127	7.00	127					0.00	15.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 8.00 and 15.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 09/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385249.43 N397537.46
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO105	RO	39.05m AoD	RM	1:50	Sheet 2 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
											Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)
								15.00	24.05		End of Borehole at 15.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
15.00	127	7.00	127					0.00	15.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 8.00 and 15.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 09/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385158.36 N397589.62
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO106	RO	34.17m AoD	RM	1:50	Sheet 1 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
								0.05	34.12		Asphalt (MADE GROUND)
								0.30	33.87		Light brown sandy sub angular to angular fine to coarse GRAVEL of limestone (MADE GROUND)
		0.75	ES								Dark brown slightly clayey sub angular to angular fine to coarse gravel of brick (MADE GROUND)
								1.80	32.37		Brown slightly gravelly SAND. Gravel sub rounded of mudstone. (ALLUVIUM)
								5.10	29.07		Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
15.00	127	6.00	127					0.00	15.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 5.50 and 15.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 09/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385158.36 N397589.62
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO106	RO	34.17m AoD	RM	1:50	Sheet 2 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
											Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)
								15.00	19.17		End of Borehole at 15.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
15.00	127	6.00	127					0.00	15.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 5.50 and 15.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 10/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E3851550.01 N397513.14
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO107	RO	37.32m AoD	RM	1:50	Sheet 1 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
								0.05	37.27		Asphalt (MADE GROUND)
								0.30	37.02		Light brown sandy sub angular to angular fine to coarse GRAVEL of limestone (MADE GROUND)
		1.20	ES								Brown clayey sandy sub angular to angular fine to coarse GRAVEL of brick (MADE GROUND)
								1.60	35.72		Brown sandy CLAY (ALLUVIUM)
								2.00	35.32		Brown slightly gravelly SAND. Gravel sub rounded of mudstone. (ALLUVIUM)
		5.50	ES					5.50	31.82		Brown SAND and fine to coarse sub rounded to rounded GRAVEL of mixed lithologies (ALLUVUIM; river deposits)
								5.90	31.42		*…at 5.50mbgl strong hydrocarbon odour encountered*
											Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
20.00	127	7.00	127					0.00	20.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 6.00 and 20.00mbgl

Rotary Core Log

Project Name: Mayfield	Client: U+I	Date: 10/02/2021
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E3851550.01 N397513.14
Project No. : 4153	Crew Name: D.G & D.N	Drilling Equipment: Commachio 205

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
RO107	RO	37.32m AoD	RM	1:50	Sheet 2 of 2

Well	Water	Depth (m)	Type /FI	Coring TCR	Coring SCR	Coring RQD	Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description
											Orangish brown highly weathered SANDSTONE recovered as sand within drilling flush (CHESTER SANDSTONE FORMATION)
								20.00	17.32		End of Borehole at 20.000m

11 12 13 14 15 16 17 18 19 20

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)
20.00	127	7.00	127					0.00	20.00								

Remarks

1. Upon completion exploratory hole insalled with a 50mm diameter standpipe with a response zone between 6.00 and 20.00mbgl

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385010.89 N397597.13
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH301	WS	35.50m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Grass over dark brown slightly clayey/silty gravelly SAND. Gravel is subangular to subrounded of brick and concrete. Frequent roots and rootlets. (TOPSOIL)
					0.50	35.00		
								Brown slightly clayey slightly sandy fine to medium rounded to sub angular gravel of shingle. (MADE GROUND)
					0.65	34.85		
								End of Borehole at 0.650m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
0.65	300							0.00	0.65		

Remarks

1. Inspection Pit hand excavated to 0.65mbgl before encountering obstruction. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385010.28 N397596.01
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH301A	WS	35.50m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.25	35.25		Grass over dark brown slightly clayey/silty SAND with frequent roots and rootlets. (TOPSOIL)
		0.50	ES					Loose dark brown slightly clayey slightly sandy fine to coarse sub angular to sub rounded GRAVEL of brick, coal mudstone and concrete (MADE GROUND)
		0.50	PID	PID=25.00				*…concrete cobble*
		1.00	PID	PID=2.70				
		1.20	SPT	N=4 (0,0/1,1,1,1)				
					1.40	34.10		Loose dark brown gravelly very clayey SAND. Gravel is fine to medium angular to subangular of brick and clinker (MADE GROUND)
		1.90 - 2.30	ES		1.90	33.60		Very soft brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded of mudstone, coal and sandstone. (GLACIAL TILL)
		2.00	SPT	N=2 (1,0/0,1,0,1)				*…potential ACM*
		2.00	PID	PID=0.00				
		3.00	SPT	N=1 (1,0/0,1,0,0)				
		3.00	PID	PID=0.00				
					3.80	31.70		Loose orangish brown slightly gravelly SAND. Gravel is fine to coarse sub angular to subrounded of sandstone, mudstone (ALLUVIUM)
		4.00	SPT	N=6 (0,1/2,1,1,2)				
		4.00	PID	PID=0.00				
		5.00	SPT	N=11 (2,4/3,3,2,3)				

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	97							0.00	5.45		
2.00	87										
3.00	77										
4.00	67										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385010.28 N397596.01
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH301A	WS	35.50m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	PID	PID=0.00				Loose orangish brown slightly gravelly SAND. Gravel is fine to coarse sub angular to subrounded of sandstone, mudstone (ALLUVIUM)
					5.45	30.05		End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	97							0.00	5.45		
2.00	87										
3.00	77										
4.00	67										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 10/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385041.95 N397593.16
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH302	WS	35.16m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	35.11		Asphalt (MADE GROUND)
					0.20	34.96		Light brown sandy fine to coarse sub angular to angular GRAVEL of limestone (MADE GROUND)
		0.40	ES					Brown slightly clayey gravelly SAND. Gravel is fine to coarse sub angular to angular of brick (MADE GROUND)
		0.50	PID	PID=0.00				
					0.60	34.56		End of Borehole at 0.600m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
0.60	300							0.00	0.60		

Remarks

1. Inspection Pit hand excavated to 0.60mbgl before encountering obstruction. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 10/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385033.03 N397586.13
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH303	WS	35.07m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.05	35.02		Asphalt (MADE GROUND)
								Grey brown sandy angular fine to coarse limestone GRAVEL (MADE GROUND)
					0.25	34.82		Loose brown slightly clayey slightly sandy fine to coarse sub angular to angular brick, mortar and mudstone GRAVEL, with frequent clinker and ash (MADE GROUND)
		0.50	PID	PID=0.00				
		1.00	PID	PID=0.00				
		1.20	SPT	N=5 (1,1/2,1,1,1)				
	▼							*…becoming sandy*
								…wet
		2.00	SPT	N=11 (3,2/3,2,3,3)				
		2.00	PID	PID=0.20				
								…becoming brown
								…brick cobbles
		2.90 - 3.60	ES		2.90	32.17		Very soft black very sandy gravelly organic CLAY. Gravel is fine to medium sub angular to angular of brick (MADE GROUND)
		3.00	SPT	N=1 (1,1/0,0,0,1)				
		3.00	PID	PID=0.00				
		4.00	SPT	N=4 (0,0/0,1,1,2)				
		4.00	PID	PID=0.00				
		4.40 - 4.70	ES		4.40	30.67		Very loose brown slightly clayey slightly gravelly fine to medium SAND. Gravel is fine rounded to sub rounded of mudstone and sandstone (ALLUVIUM)
		5.00	SPT	N=0 (0,0/0,0,0,0)				

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	97							0.00	5.45		
2.00	87										
3.00	77										
4.00	67										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 1.54-1.70mbgl. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 10/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385033.03 N397586.13
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH303	WS	35.07m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	PID	PID=0.00				Very loose brown slightly clayey slightly gravelly fine to medium SAND. Gravel is fine rounded to sub rounded of mudstone and sandstone (ALLUVIUM)
					5.45	29.62		End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	97							0.00	5.45		
2.00	87										
3.00	77										
4.00	67										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 1.54-1.70mbgl. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385071.55 N397573.04
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH304	WS	34.48m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.16	34.32		Concrete slab (MADE GROUND)
		0.50	PID	PID=0.00				Loose grey and brown very cobbley very sandy fine to coarse subangular to angular of brick, concrete and slate. Cobbles of brick and concrete. Occasional fragments of ceramic noted. (MADE GROUND)
		1.00	ES					
		1.00	PID	PID=0.00				
		1.20	SPT	N=1 (5,0/0,0,0,1)				
		2.00	SPT	N=12 (2,3/5,3,2,2)				
		2.00	PID	PID=0.00				
					2.55	31.93		Very loose brown slightly gravelly slightly clayey SAND. Gravel is fine to medium subrounded of sandstone. (ALLUVIUM)
		3.00	SPT	N=2 (1,1/0,1,1,0)				
		3.00	PID	PID=0.00				
	▼							*…becoming wet*
		4.00	SPT	N=0 (0,1/0,0,0,0)				
		4.00	PID	PID=0.00				

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.30		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 3.90mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385071.55 N397573.04
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH304	WS	34.48m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	50 (6,7/50 for 150mm)	5.10	29.38		Very loose brown slightly gravelly slightly clayey SAND. Gravel is fine to medium subrounded of sandstone. (ALLUVIUM)
		5.00	PID	PID=0.00	5.30	29.18		Very dense orangish brown slightly gravelly fine to coarse SAND (Weathered SANDSTONE)
								End of Borehole at 5.300m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.30		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 3.90mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385053.91 N397571.59
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH305	WS	34.60m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								CONCRETE (MADE GROUND)	
					0.23	34.37		Brown sandy fine to coarse subangular to angular GRAVEL of brick and concrete frequent whole brick cobbles. (MADE GROUND)	
		0.50	PID	PID=0.00					
		0.70	ES		0.70	33.90		Loose greyish brown slightly clayey gravelly SAND. Gravel is fine to medium angular of brick, mortar and coal. (MADE GROUND)	
		1.00	PID	PID=0.00					1
		1.20	SPT	N=7 (3,1/2,1,2,2)					
								…band of light grey gravelly sand	
								…fine to medium sub angular to angular gravel of brick	
		2.00	SPT	N=3 (0,0/0,0,2,1)					2
		2.00	PID	PID=0.00					
					2.50	32.10		Very soft brown sandy CLAY. (ALLUVIUM)	
		2.70 - 2.90	ES					*…soft black organic clay*	
		3.00	SPT	N=6 (2,1/2,2,1,1)					3
		3.00	PID	PID=0.00					
					3.60	31.00		Dense brown slightly clayey gravelly SAND. Gravel is fine to medium sub angular to subrounded of sandstone. (ALLUVIUM)	
	▼	4.00	SPT	N=32 (0,0/2,5,10,15)				*…becoming wet and gravelly*	4
		4.00	PID	PID=0.00					
		5.00	SPT	N=45 (0,2/6,10,10,19)					5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 4.00mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385053.91 N397571.59
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH305	WS	34.60m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	PID	PID=0.00				Dense brown slightly clayey gravelly SAND. Gravel is fine to medium sub angular to subrounded of sandstone. (ALLUVIUM)
								...very dense
					5.45	29.15		End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 4.00mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385088.35 N397557.47
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH306	WS	34.26m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.30	33.96		Vegetation over dark brown slightly sandy silty CLAY with frequent roots and rootlets (TOPSOIL)
		0.50	PID	PID=0.00				Loose reddish brown slightly clayey slightly sandy fine to coarse sub angular to sub rounded GRAVEL of brick, mortar and occasional clinker(MADE GROUND; loose brick masonry)
		1.00	PID	PID=0.00				
		1.20	SPT	N=11 (5,5/4,3,3,1)				
		1.40 - 1.80	ES					
		2.00	SPT	N=7 (2,1/0,1,3,3)				
		2.00	PID	PID=0.00				
								…light brown sandy gravel
		3.00	SPT	N=5 (3,2/1,1,2,1)				
		3.00	PID	PID=0.00				
					3.30	30.96		Medium dense brown slightly gravelly slightly silty fine to coarse SAND. Gravel is fine to medium subrounded of sandstone (ALLUVIUM)
	▼							
								…becoming wet
		4.00	SPT	N=20 (2,3/6,4,5,5)				
		4.00	PID	PID=0.00				
		5.00	SPT	N=15 (0,0/2,4,4,5)				

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 3.90mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 09/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385088.35 N397557.47
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH306	WS	34.26m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	PID	PID=0.00				Medium dense brown slightly gravelly slightly silty fine to coarse SAND. Gravel is fine to medium subrounded of sandstone (ALLUVIUM)
					5.30	28.96		End of Borehole at 5.300m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 3.90mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 12/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385090.74 N397542.59
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH307	WS	33.19m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	33.09		Concrete slab (MADE GROUND)
					0.20	32.99		Reddish brown and grey fine to coarse sub angular to angular concrete and brick GRAVEL (MADE GROUND)
					0.40	32.79		Light brown mottled cream slightly sandy gravelly SILT. Gravel is fine to coarse sub angular to angular of brick, coal and other. Frequent roots, rootlets and organic matter (MADE GROUND)
		0.50 - 0.70 0.50	ES PID	PID=0.00				Dark greyish brown sandy gravelly CLAY. Gravel is fine to coarse sub rounded to sub angular of brick coal and other lithologies. Moderate cobble content of bricks and slate (MADE GROUND)
					0.80	32.39		Very loose orangish brown clayey gravelly SAND. Gravel is fine to medium sub rounded to sub angular of brick coal and other lithologies (MADE GROUND)
		1.20	SPT	N=0 (0,1/0,0,0,0)				
		1.30 - 1.40 1.30	ES PID	PID=0.00				
					1.65	31.54		Firm greyish brown mottled grey slightly gravelly CLAY. Gravel is fine to medium sub angular of coal. (MADE GROUND)
		2.00	SPT	N=1 (2,1/0,0,0,1)	1.95	31.24		Very loose orangish brown slightly clayey gravelly SAND. Gravel is fine to coarse sub angular to angular of brick, coal and other lithologies (MADE GROUND)
		2.20 - 2.40 2.20	ES PID	PID=0.00				
▼		3.00	SPT	N=19 (1,1/2,5,5,7)				*…becoming wet*
					3.70	29.49		Very dense brown angular fine to coarse GRAVEL (Suspected weathered bedrock)
		3.80	SPT	50 (25 for 75mm/50 for 75mm)				
					3.95	29.24		End of Borehole at 3.950m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	3.95		

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 3.00mbgl. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 10/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385107.94 N397544.77
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH308	WS	34.34m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.15	34.19		Vegetation over dark brown slightly sandy silty CLAY with frequent roots and rootlets (TOPSOIL)	
					0.40	33.94		Brown medium to fine SAND (MADE GROUND)	
		0.50	PID	PID=0.00				Brown very gravelly SAND. Gravel is fine to coarse sub angular to angular of brick and concrete with occasional whole brick cobble (MADE GROUND)	
		1.00 - 1.30	ES						1
		1.00	PID	PID=0.00					
		1.20	SPT	N=20 (2,3/9,4,3,4)					
					1.40	32.94		Very loose brown/orange sandy very clayey fine to coarse angular to subangular GRAVEL of brick (MADE GROUND)	
		2.00	SPT	N=3 (2,1/0,1,1,1)					2
		2.00	PID	PID=0.00					
					2.40	31.94		Loose brown clayey gravelly SAND. Gravel fine to medium sub angular to angular of brick (MADE GROUND)	
		2.80 - 3.10	ES		2.80	31.54		Brown silty/clayey SAND (ALLUVIUM)	
		3.00	SPT	N=0 (0,0/0,0,0,0)					3
		3.00	PID	PID=0.00					
	▼							*…becoming wet*	
		4.00	SPT	N=2 (0,0/0,0,1,1)					4
		4.00	PID	PID=0.00					
								…becoming greyish brown, medium dense	
		5.00	SPT	N=11 (4,3/3,3,2,3)					5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 3.30mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 10/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385107.94 N397544.77
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH308	WS	34.34m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	PID	PID=0.00				Brown silty/clayey SAND (ALLUVIUM)
					5.45	28.89		End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 3.30mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 12/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385117.80 N397534.57
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH309	WS	33.50m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20 - 0.50	ES		0.20	33.30		Concrete slab (MADE GROUND)
								Light brown slightly clayey sandy fine to coarse sub angular to angular GRAVEL of brick, limestone and clinker (MADE GROUND)
					0.70	32.80		Loose light yellowish brown slightly clayey very sandy fine to coarse sub angular to angular GRAVEL of brick and concrete. Medium to high brick cobble content (MADE GROUND)
		1.20	SPT	N=8 (2,2/1,2,2,3)				
		1.30 - 1.40	ES					
								…concrete obstruction
		1.70	SPT	52 (25 for 0mm/52 for 35mm)	1.74	31.76		End of Borehole at 1.740m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20 1.40	300 97							0.00	1.74		

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 10/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385122.28 N397573.35
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH310	WS	34.48m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete slab (MADE GROUND)
					0.25	34.23		
		0.50	ES					Reddish brown very gravelly SAND. Gravel is fine to coarse sub angular to angular of brick and concrete with occasional whole brick cobble (MADE GROUND)
		0.50	PID	PID=0.00				
		1.00	PID	PID=0.00				
		1.20	SPT	N=13 (2,2/2,3,4,4)				
		1.70 - 2.00	ES		1.70	32.78		Loose brown slightly clayey slightly gravelly SAND. Gravel is fine to medium sub angular to sub rounded of mudstone and sandstone (ALLUVIUM)
		2.00	SPT	N=5 (1,1/2,1,1,1)				
		2.00	PID	PID=0.00				
								...becoming clayey
		3.00	SPT	N=23 (2,1/3,2,8,10)				
		3.00	PID	PID=0.00				
					3.30	31.18		Very soft sandy slightly gravelly CLAY. Gravel Is fine sub rounded to sub angular of coal and sandstone (ALLUVIUM)
					3.70	30.78		Very dense greyish brown sandy fine to coarse well rounded to sub rounded GRAVEL of various lithologies. (ALLUVIUM)
		4.00	SPT	50 (25 for 100mm/50 for 100mm)				
		4.00	PID	PID=0.00				
					4.20	30.28		End of Borehole at 4.200m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	4.20		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 12/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385127.31 N397549.80
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH311	WS	34.18m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.18	34.00		Concrete slab (MADE GROUND)
		0.40 - 0.55	ES		0.40	33.78		Brown clayey gravelly SAND. Gravel is fine to medium sub angular to angular of brick, concrete and other lithologies (MADE GROUND)
					0.55	33.63		Dark grey slightly sandy slightlly gravelly CLAY. Gravel is fine to medium subangular of mixed pockets of black tarry substance. Very strong hydrocarbon/solvent chemicla odour (MADE GROUND)
								End of Borehole at 0.550m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
0.55	300							0.00	0.55		

Remarks

1. Inspection Pit hand excavated to 0.55mbgl before encountering obstruction. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385133.44 N397599.01
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH312	WS	34.55m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.15	34.40		Concrete slab (MADE GROUND)
		0.50	PID	PID=0.00				Brown slightly sandy gravelly CLAY. Gravel is fine to medium sub angular to angular of brick and clinker (MADE GROUND)
		0.60	ES					
								…frequent ash and clinker
		1.00	PID	PID=0.00				
		1.20	SPT	N=0 (0,0/0,0,0,0)				
					1.30	33.25		
		1.50	ES					Very soft brown slightly gravelly very sandy CLAY. Gravel is fine to medium sub angular to angular of brick, sandstone and clinker. Occasional roots throughout. (MADE GROUND)
		2.00	SPT	N=0 (0,0/0,0,0,0)				
		2.00	PID	PID=0.00				
					2.50	32.05		
								Very loose light brown slightly clayey slightly gravelly SAND. Gravel is fine to medium sub rounded to sub angular of sandstone (ALLUVIUM)
		3.00	SPT	N=0 (0,0/0,0,0,0)				
		3.00	PID	PID=0.00				
		4.00	SPT	N=2 (0,0/0,1,0,1)				
		4.00	PID	PID=0.00				*…No recovery*
		5.00	SPT	N=0 (0,0/0,0,0,0)				

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	6.32		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385133.44 N397599.01
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH312	WS	34.55m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	PID	PID=0.00				Very loose light brown slightly clayey slightly gravelly SAND. Gravel is fine to medium sub rounded to sub angular of sandstone (ALLUVIUM)
		6.00	SPT	50 (3,17/50 for 175mm)	6.00	28.55		Reddish brown SAND (WEATHERED CHESTER SANDSTONE FORMATION)
					6.32	28.23		End of Borehole at 6.320m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	6.32		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 12/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385144.31 N397590.57
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH313	WS	34.23m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	34.18		Asphalt (MADE GROUND)
								Orangish brown clayey slightly gravelly SAND. Gravel is fine to coarse sub angular of brick and other lithologies (MADE GROUND)
					0.40	33.83		Very loose dark brown slightly clayey gravelly SAND. Gravel is fine to medium sub angular to rounded of brick limestone and other lithologies. Low to medium cobble content of brick (MADE GROUND)
		1.20	SPT	N=2 (1,0/1,0,1,0)				
		1.40 - 1.80	ES					
		2.00	SPT	N=3 (1,1/1,1,0,1)				
					2.40	31.83		Very loose dark grey mottle black clayey slightly gravelly SAND. Gravel is fine to coarse sub angular of brick and other lithologies (MADE GROUND)
		2.50 - 2.60	ES					
					2.80	31.43		Very soft brown very sandy slightly gravelly CLAY. Gravel is medium to coarse sub angular of brick and other lithologies (MADE GROUND)
		3.00	SPT	N=3 (1,1/1,0,1,1)				
					3.40	30.83		Brown clayey SAND (ALLUVIUM)
					3.60	30.63		Brown sandy CLAY (ALLUVIUM)
		4.00	SPT	50 (6,9/50 for 95mm)	4.00	30.23		Very dense orangish brown gravelly fine to coarse SAND (WEATHERED CHESTER SANDSTONE FORMATION)
					4.20	30.03		End of Borehole at 4.200m

1 2 3 4 5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	4.20		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385182.91 N397604.23
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH314	WS	35.24m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES		0.12	35.12		Concrete slab (MADE GROUND)
					0.32	34.92		Black sandy fine to coarse sub angular to angular GRAVEL of brick and clinker (MADE GROUND)
		0.50	ES		0.45	34.79		Sandstone flag (MADE GROUND)
		0.50	PID	PID=0.00				Dark greyish brown slightly sandy clayey fine to medium sub angular to angular GRAVEL of clinker and brick (MADE GROUND)
					0.70	34.54		Soft brown slightly gravelly sandy CLAY. Gravel is fine to coarse sub angular to angular of sandstone and brick (MADE GROUND)
					1.00	34.24		End of Borehole at 1.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.00	67							0.00	1.00		

Remarks

1. Inspection Pit hand excavated to 1.00mbgl before encountering obstruction. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385204.46 N397579.08
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH315	WS	35.22m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.15	35.07		Concrete slab (MADE GROUND)
		0.50	PID	PID=0.00				Very soft brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse sub angular to sub rounded of brick, mudstone, slate and clinker (MADE GROUND)
		0.80	ES					
		1.00	PID	PID=0.00				
		1.20	SPT	N=4 (1,0/1,2,1,0)				
		1.90	ES					
		2.00	SPT	N=5 (1,0/1,1,1,2)				*...white paste-like substance*
		2.00	PID	PID=0.00				
					2.45	32.77		Very loose brown slightly clayey gravelly SAND. Gravel is fine to medium sub angular to sub rounded of sandstone mudstone and quartz (ALLUVIUM)
		3.00	SPT	N=2 (0,1/0,1,0,1)				
		3.00	PID	PID=0.00				
		3.30	ES		3.30	31.92		Loose brown slightly gravelly SAND. Gravel is fine to medium sub angular to sub rounded of mudstone sandstone and quartz (ALLUVIUM)
	▼	4.00	SPT	N=3 (0,0/0,1,1,1)				
		4.00	PID	PID=0.00				
		5.00	SPT	N=20 (3,3/4,4,5,7)				

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385204.46 N397579.08
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH315	WS	35.22m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	PID	PID=0.00				Loose brown slightly gravelly SAND. Gravel is fine to medium sub angular to sub rounded of mudstone sandstone and quartz (ALLUVIUM)
					5.45	29.77		End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 16/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385234.10 N397564.78
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH316	WS	34.09m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.15	33.94		Concrete slab (MADE GROUND)
		0.50	PID	PID=0.00				Soft brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse sub angular to angular of brick and other lithologies (MADE GROUND)
		1.00	ES					
		1.00	PID	PID=0.00				
		1.20	SPT	N=4 (1,1/1,1,1,1)				
					1.50	32.59		Soft brown slightly gravelly CLAY. Gravel is fine to medium sub angular to rounded of mudstone and quartz. (GLACIAL TILL)
		2.00	SPT	N=6 (0,0/1,2,2,1)				
		2.00	PID	PID=0.00				
								…sand and gravel band
		3.00	SPT	N=4 (0,0/2,1,0,1)				
		3.00	PID	PID=0.00				
					3.50	30.59		Loose brown slightly silty SAND (ALLUVIUM)
								…reddish brown sand and fine sub angular to angular gravel of sandstone band
	▼	4.00	SPT	N=5 (0,0/0,1,1,3)				
		4.00	PID	PID=0.00				*…becoming wet*
		5.00	SPT	N=41 (4,7/6,7,11,17)				*…becoming dense, medium to fine well rounded*

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 4.00mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 16/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385234.10 N397564.78
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH316	WS	34.09m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	PID	PID=0.00				Loose brown slightly silty SAND (ALLUVIUM)
								…becoming dense, medium to fine well rounded gravel of mudstone
					5.45	28.64		End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 4.00mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 13/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385260.69 N397555.05
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH317	WS	39.20m AoD	ES	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	39.05		Concrete slab (MADE GROUND)
					0.40	38.80		Brick masonry recovered as fine to coarse sub angular to angular Gravel. With high cobble content of broken bricks (MADE GROUND)
		0.50 - 0.60	ES					Brown slightly clayey slightly gravelly SAND. Gracvell is fine to medium sub angular of brick, sandstone and other lithologies. Moderate cobble content of brick. (MADE GROUND)
								…becoming mottled cream sand and ashy
								...becoming very gravelly gravels fine to coarse sub angular to angular of brick, mudstone, concrete and quartz
								…potential obstruction possibly causing material to collapse into hole
					2.80	36.40		Red slightly gravelly silty SAND of crushed brick (MADE GROUND)
					2.95	36.25		Dark grey slightly gravelly clayey SAND. Gravel is fine subangular of asphalt. (MADE GROUND)
					3.00	36.20		No Recovery
					3.40	35.80		Brown slightly clayey gravelly SAND. Gravel is fine to coarse sub angular of brick, sandstone and other lithologies (MADE GROUND)
		3.60 - 3.85	ES		3.60	35.60		Dark grey/purple gravelly ashy SAND. Gravel is fine to coarse sub angular to angular of slate, brick, sandstone and other lithologies (MADE GROUND)
					3.85	35.35		Brown sandy gravelly CLAY. Gravle is fine to coarse subangular of limesotne and brick (MADE GROUND)
					4.00	35.20		Brown very snady slightly clayey fine to coarse sub angular GRAVEL of brick, concrete and slate (MADE GROUND)
					4.40	34.80		Greyish brown very clayey gravelly SAND. Gravel is fine sub angular of brick, sandstone and other lithologies (MADE GROUND)
					4.80	34.40		Orange mottled greyish brown SAND (WEATHRED CHESTER SANDSTONE FORMATION)

1 2 3 4 5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 13/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385260.69 N397555.05
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
PH317	WS	39.20m AoD	ES	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Orange mottled greyish brown SAND (WEATHRED CHESTER SANDSTONE FORMATION)
					5.45	33.75		End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 15/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385152.06 N397556.18
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS301	WS	34.31m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	34.11		Concrete Slab (MADE GROUND)
					0.40	33.91		Intact brick masonry (MADE GROUND)
								End of Borehole at 0.400m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
0.40	300							0.00	0.40		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Hole terminated due to brick wall obstruction

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 15/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385155.19 N397558.11
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS301A	WS	34.31m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	34.11		Concrete Slab (MADE GROUND)
					0.40	33.91		Intact brick masonry (MADE GROUND)
								End of Borehole at 0.400m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
0.40	300							0.00	0.40		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Hole terminated due to brick wall obstruction

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 15/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385174.16 N397544.28
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS302	WS	34.31m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	34.11		Concrete Slab (MADE GROUND)
		0.40 - 0.50	ES		0.40	33.91		Light brown sandy sub angular to angular fine to medium GRAVEL of limestone (MADE GROUND)
					1.20	33.11		Dark reddish brown gravelly fine to coarse SAND. Gravel is angular to sub rounded of sandstone (WEATHERED SANDSTONE)
								End of Borehole at 1.200m

1
2
3
4
5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	1.20		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 27/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385069.11 N397581.37
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS303	WS	34.48m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.40	ES					Loose reddish brown sandy sub angular to angular fine to coarse GRAVEL of brick (MADE GROUND)	
		1.00 - 1.30	ES						1
		1.20 - 1.60	ES						
		1.20	SPT	N=13 (6,4/4,3,3,3)					
		2.00	SPT	N=1 (1,0/0,1,0,0)	2.00	32.48		Very loose brown silty fine to medium SAND (ALLUVIUM)	2
		2.30 - 2.50	ES						
		3.00	SPT	N=0 (0,0/0,0,0,0)					3
								…medium to fine sub angular to sub rounded gravel of mudstone and sandstone	
		4.00	SPT	N=8 (0,1/0,1,1,6)				*…becoming clayey*	4
		4.80	SPT	51 (14,11/51 for 225mm)					
					4.90	29.58		Very dense brown sandy rounded fine to medium	5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.17		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit vacuum excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion borehole was installed with a 50mm diameter standpipe with a response zone between 2.00 and 4.85mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 27/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385069.11 N397581.37
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS303	WS	34.48m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					5.17	29.31		Very dense brown sandy rounded fine to medium GRAVEL of mudstone and sandstone (ALLUVIUM)
								End of Borehole at 5.170m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.17		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit vacuum excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion borehole was installed with a 50mm diameter standpipe with a response zone between 2.00 and 4.85mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 04/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385037.57 N397603.29
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS304	WS	35.00m AoD	ES	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	34.90		Asphalt (MADE GROUND)
					0.30	34.70		Dark brown very gravelly fine to coarse SAND. Gravel is angular to subrounded fine to coarse brick, limestone, sandstone and concrete (MADE GROUND)
								Loose brown slightly clayey gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse brick, concrete, slate and sandstone (MADE GROUND)
		1.20	SPT	N=11 (2,6/3,2,3,3)				
		1.60 - 1.80	ES					*…between 1.60 and 1.80mbgl: ash present. Hydrocarbon Odour*
		2.00	SPT	N=5 (2,2/2,2,1,0)				
		2.20 - 2.50	ES		2.20	32.80		Loose dark brown sandy angular to subangular fine to coarse GRAVEL of brick, slate and sandstone (MADE GROUND)
								…between 2.70 and 2.90mbgl: brick cobbles
		3.00	SPT	N=7 (3,2/0,0,3,4)				
								…between 3.80 and 3.90mbgl: band of very sandy clay
		4.00	SPT	N=2 (1,0/0,0,0,2)	4.05	30.95		Very soft brown very sandy CLAY (ALLUVIUM)
					4.50	30.50		Dense brown slightly clayey very sandy subrounded to rounded fine to medium GRAVEL of mixed lithologies (ALLUVIUM; river deposits)

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	5.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 4.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 04/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385037.57 N397603.29
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS304	WS	35.00m AoD	ES	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	50 (10,13/50 for 220mm)				Dense brown slightly clayey very sandy subrounded to rounded fine to medium GRAVEL of mixed lithologies (ALLUVIUM; river deposits)
					5.45	29.55		End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	5.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 4.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 03/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385070.06 N397618.00
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS306	WS	34.42m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.17	34.25		CONCRETE (MADE GROUND)
								Greyish brown very sandy subangular to angular fine to coarse GRAVEL of brick, slate, limestone and concrete and other lithologies. Occasional cobbles of brick and limestone (MADE GROUND)
					1.10	33.32		
		1.20	SPT	N=5 (2,2/2,1,1,1)				Loose dark brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is subangular to subrounded fine brick, sandstone and other lithologies (MADE GROUND)
		1.30 - 1.50	ES		1.30	33.12		
					1.50	32.92		Loose brown mixed black slightly gravelly clayey fine to coarse SAND. Gravel is angular to subangular fine to coarse sandstone cobbles, coal, clinker. Ash present (MADE GROUND)
								Brown slightly silty clayey fine to coarse SAND. (ALLUVIUM)
		2.00	SPT	N=50 (4,14/50 for 270mm)				*...becoming very dense (limited recovery; suspected weathered sandstone)*
					2.40	32.02		End of Borehole at 2.400m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	2.40		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 27/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385093.19 N397607.80
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS307	WS	34.43m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20 - 0.50	ES		0.20	34.23		Light brown sandy fine to coarse sub angular to angular GRAVEL of limestone (MADE GROUND)
					0.50	33.93		Reddish brown slightly clayey sandy sub angular to angular fine to medium GRAVEL of brick (MADE GROUND)
		0.85 - 1.00	ES		0.85	33.58		Brown gravelly SAND. Gravel is sub rounded to angular fine to coarse of brick and mudstone (MADE GROUND) *…mudstone cobble* *…brick cobble*
		1.20	SPT	N=7 (3,2/4,3,0,0)				Dark brown gravelly SAND. Gravel fine to medium sub angular to sub rounded of brick and clinker (MADE GROUND)
					1.50	32.93		
					1.60	32.83		Loose reddish brown sandy fine to medium sub angular to angular GRAVEL of brick (MADE GROUND)
		1.90	SPT	50 (25 for 95mm/50 for 125mm)				Light brown sandy fine to coarse sub rounded to rounded GRAVEL of mudstone (ALLUVIUM)
					2.00	32.43		Very dense reddish brown SAND (WEATHERED SANDSTONE)
					2.12	32.31		End of Borehole at 2.120m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	2.12		
2.00	97										
3.00	87										
3.80	77										

Remarks

1. Inspection Pit vacuum excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion borehole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 27/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385090.82 N397598.76
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS308	WS	34.45m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete slab (MADE GROUND)
					0.30	34.15		
					0.40	34.05		Reddish brown medium to coarse sub angular to angular GRAVEL of brick (MADE GROUND)
								Reddish brown gravelly CLAY. Gravel fine to coarse sub angular to angular of brick with occasional whole brick cobble (MADE GROUND)
					0.80	33.65		Dark brown slightly clayey sandy fine to medium subangular GRAVEL of clinker (MADE GROUND)
		1.20	SPT	N=5 (1,2/1,1,1,2)				
					1.30	33.15		Soft brown mottled orange slightly sandy CLAY (GLACIAL TILL)
					1.80	32.65		Very loose becoming loose brown coarse SAND (ALLUVIUM)
		2.00	SPT	N=3 (1,0/1,0,1,1)				
								…becoming very clayey
								…becoming medium to coarse sand
		3.00	SPT	N=10 (2,3/3,2,2,3)				
								…sand band
								…coarse brown sand
		4.00	SPT	N=50 (1,1/50 for 240mm)				
					4.10	30.35		Very dense orangish brown gravelly fine to coarse SAND (Suspected weathered SANDSTONE)
					4.39	30.06		End of Borehole at 4.390m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	4.39		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit vacuum excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion borehole was installed with a 50mm diameter standpipe with a response zone between 1.50 and 4.00mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 03/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385056.66 N397590.50
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS309	WS	34.48m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	34.33		CONCRETE (MADE GROUND)
		0.60 - 0.70	ES					Loose dark greyish brown clayey sandy angular to subrounded fine to medium GRAVEL of brick, concrete, slate and mudstone. Occasional sandstone cobble and brick (MADE GROUND)
		1.20 - 1.40 1.20	ES SPT	N=7 (1,0/1,1,3,2)				
					1.80	32.68		Very loose brown clayey very gravelly fine to coarse SAND. Gravel is angular fine to coarse brick and concrete (MADE GROUND)
		2.00	SPT	N=1 (1,1/1,0,0,0)				*…between 2.00 and 2.15mbgl: Black staining, ash and rare coal present*
					2.15	32.33		Loose brown very clayey fine to coarse SAND (ALLUVIUM)
		3.00	SPT	N=50 (3,7/50 for 295mm)				
					3.20	31.28		Very dense reddish brown gravelly fine to medium SAND. Gravel is subangular to subrounded sandstone and rare quartz and mudstone (WEATHERED BEDROCK)
		3.80	SPT	50 (25 for 40mm/50 for 70mm)				
					3.92	30.56		End of Borehole at 3.920m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	4.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 01/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385079.21 N397576.27
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS310	WS	34.45m AoD	ES	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	34.35		CONCRETE (MADE GROUND)
					0.22	34.23		Loose brick masonry (MADE GROUND)
								Grey slightly sandy angular to subangular fine to coarse limestone and brick GRAVEL (MADE GROUND)
		0.80 - 1.00	ES					*…from 0.70mbgl: becoming dark brown, concrete and sandstone cobblestone present*
		1.20	SPT	N=22 (4,5/4,7,6,5)	1.15	33.30		Loose brick masonry (MADE GROUND)
		1.40 - 1.50	ES		1.30	33.15		Medium dense blackish brown very sandy fine to coarse angular to subangular brick, clinker, coal and sandstone GRAVEL. Ash present (MADE GROUND)
		2.00	SPT	N=7 (2,1/2,2,1,2)	2.00	32.45		Loose becoming very loose brown silty fine SAND (ALLUVIUM)
		3.00	SPT	N=2 (0,1/0,1,0,1)				
	▼	4.00	SPT	N=26 (8,6/5,5,9,7)	3.75	30.70		Medium dense becoming dense reddish brown gravelly fine to medium SAND. Gravel is subangular to subrounded sandstone and rare quartz and mudstone (WEATHERED BEDROCK)

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	5.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 01/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385079.21 N397576.27
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS310	WS	34.45m AoD	ES	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	50 (25 for 105mm/50 for 60mm)	5.45	29.00		Medium dense becoming dense reddish brown gravelly fine to medium SAND. Gravel is subangular to subrounded sandstone and rare quartz and mudstone (WEATHERED BEDROCK)
								End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	5.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 26/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385081.91 N397608.06
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS311A	WS	34.45m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.40	ES		0.30	34.15		Light brown slightly gravelly SAND. Gravel is fine sub angular to angular of limestone (MADE GROUND)
		0.60	ES					Reddish brown sandy slightly clayey fine to coarse sub angular to angular GRAVEL of brick (MADE GROUND)
					0.70	33.75		*…black ashy gravelly band gravel fine to medium sub angular of clinker*
		1.00	SPT	N=13 (4,2/1,3,4,5)	1.00	33.45		Brown sandy fine to coarse sub angular to angular GRAVEL of brick and concrete (MADE GROUND)
					1.40	33.05		Brown slightly gravelly CLAY. Gravel is fine to medium sub angular to angular of brick. (MADE GROUND)
					1.70	32.75		Loose brown clayey SAND (ALLUVIUM)
		2.00	SPT	50 (6,7/50 for 155mm)				Very dense orangish brown very gravelly SAND gravel fine to medium sub rounded to rounded of sandstone mudstone and quartz (WEATHERED SANDSTONE)
								…becoming orangish brown
					2.35	32.10		End of Borehole at 2.350m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20 2.00	300 97							0.00	2.35		

Remarks

1. Inspection Pit vacuum excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion borehole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 03/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385095.75 N397621.17
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS312	WS	34.49m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	34.44		CONCRETE (MADE GROUND)
					0.10	34.39		Brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is subangular to angular fine to medium and brick, concrete and other lithologies. (MADE GROUND)
					0.15	34.34		CONCRETE (MADE GROUND)
								Loose brown clayey gravelly fine to coarse SAND. Gravel is angular fine to coarse brick and concrete. Occasional brick cobbles (MADE GROUND)
		1.20	SPT	N=16 (25 for 140mm/5,5,4,2)				
		1.50 - 1.60	ES					*…between 1.40 and 2.00mbgl: slight hydrocarbon odour*
		2.00	SPT	N=5 (4,2/2,0,1,2)				*…between 2.00 and 3.00mbgl: 5% recovery due to loose gravels*
		3.00	SPT	50 (8,6/50 for 65mm)				
					3.21	31.28		*…at 3.21mbgl: refusal / obstruction*
								End of Borehole at 3.210m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	3.21		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 01/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385116.16 N397576.18
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS313	WS	34.47m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	34.32		CONCRETE (MADE GROUND)
								CONCRETE with brick inclusions (MADE GROUND; suspected foundation pad)
					0.60	33.87		End of Borehole at 0.600m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	0.60		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 03/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385123.47 N397612.25
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS314	WS	34.47m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	34.37		CONCRETE (MADE GROUND)
								Loose greyish brown gravelly fine to coarse SAND. Gravel is angular to subangular fine to coarse brick, sandstone and limestone (MADE GROUND)
		1.00 - 1.20	ES					
		1.20	SPT	N=8 (2,2/1,2,3,2)				
					1.50	32.97		
								Very dense reddish brown gravelly fine to coarse SAND. Gravel is angular fine to coarse sandstone (WEATHERED BEDROCK)
		2.00	SPT	50 (25 for 65mm/50 for 50mm)				
					2.11	32.36		*...at 2.10mbgl: refusal on bedrock*
								End of Borehole at 2.110m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	2.11		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 0.5 and 1.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 10/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385108.34 N397553.96
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS315	WS	34.28m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete slab (MADE GROUND)
					0.25	34.03		
					0.30	33.98		Yellowish brown sandstone flags (MADE GROUND)
		0.40	ES					Reddish brown very gravelly SAND. Gravel is fine to coarse sub angular to angular of brick and concrete with occasional whole brick cobble (MADE GROUND)
					0.50	33.78		Light brown sandy gravelly CLAY (GLACIAL TILL)
		1.00 - 2.00	B					
		1.20	SPT	N=9 (3,1/2,2,2,3)				*…firm brown slightly sandy clay band*
					1.30	32.98		Soft brown sandy slightly gravelly CLAY. Gravel is fine sub angular to angular of mudstone (GLACIAL TILL)
		2.00	SPT	N=5 (1,2/2,1,1,1)				
		3.00	SPT	N=7 (1,0/1,2,2,2)				
								…sand becoming coarse
		4.00	SPT	N=25 (8,7/6,7,6,6)				
					4.70	29.58		Very sandy fine to medium sub angular to rounded GRAVEL of mudstone (GLACIAL TILL)
					5.00	29.28		

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.12		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

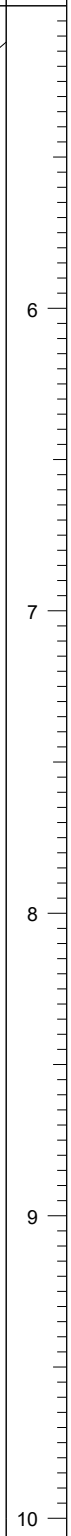
1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was installed with 50mm diameter standpipe, with a response zone between 1.00 and 5.00mbgl

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 10/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385108.34 N397553.96
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS315	WS	34.28m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	50 (25 for 70mm/50 for 45mm)	5.10	29.18		Very dense reddish brown fine to medium SAND (WEATHERED SANDSTONE) End of Borehole at 5.120m



Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.12		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was installed with 50mm diameter standpipe, with a response zone between 1.00 and 5.00mbgl

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 12/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385130.69 N397549.20
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS316	WS	34.15m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30 - 0.50	ES		0.20	33.95		Concrete slab with rebar (MADE GROUND)
								Brown slightly clayey very sandy fine to coarse sub angular to angular gravel of brick, concrete and other lithologies (MADE GROUND)
					0.85	33.30		
					0.90	33.25		Greyish brown medium sub angular gravel of limestone (MADE GROUND)
								End of Borehole at 0.900m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
0.90	300							0.00	0.90		

Remarks

1. Inspection Pit hand excavated to 0.90mbgl before encountering obstruction. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385153.81 N397613.57
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS317	WS	34.89m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.10	34.79		Concrete slab (MADE GROUND)
		0.30	ES					Black sandy (ashy) fine to coarse sub angular to angular GRAVEL of brick and clinker. Occasional ceramic tiles throughout. (MADE GROUND)
								…brick cobble
					0.80	34.09		Brown slightly gravelly medium to coarse SAND. Gravel is fine to medium sub angular to sub rounded of sandstone (MADE GROUND)
		1.20	SPT	N=2 (1,1/0,0,1,1)				*…becoming orangish brown*
					1.40	33.49		Brown with occasional orangish brown sand patch silty SAND with frequent roots rootlets and vegetal matter throughout (RELIC TOPSOIL)
		1.50 - 1.80	ES					
		2.00	SPT	N=7 (2,2/2,1,2,2)				
								…becoming yelloish brown
								…fine to medium brick gravel fragments
		3.00	SPT	N=3 (1,1/1,1,0,1)				
					3.60	31.29		Reddish brown gravelly SAND. Gravel is fine to coarse sub angular to sub rounded of sandstone (ALLUVIUM)
					3.80	31.09		Soft brown mottled black slightly gravelly slightly sandy CLAY. Gravel is fine sub angular to angular of coal, mudstone, quartz (GLACIAL TILL)
		4.00	SPT	N=25 (0,2/2,15,4,4)				
					4.70	30.19		Very dense reddish brown fine to medium SAND and fine to medium sub angular to sub rounded GRAVEL of sandstone (WEATHERED SANDSTONE)

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.10		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was installed with 50mm diameter standpipe, with a response zone between 1.50 and 4.50mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385153.81 N397613.57
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS317	WS	34.89m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	50 (25 for 55mm/50 for 45mm)	5.10	29.79		Very dense reddish brown fine to medium SAND and fine to medium sub angular to sub rounded GRAVEL of sandstone (WEATHERED SANDSTONE) End of Borehole at 5.100m

6
7
8
9
10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.10		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was installed with 50mm diameter standpipe, with a response zone between 1.50 and 4.50mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 13/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385195.52 N397596.37
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS318	WS	35.21m AoD	ES	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
								Greysih brown slightly clayey gravelly SAND. Gravel is fine angular to sub angular of brick and concrete (MADE GROUND)	
		1.00	PID	PID=0.00	1.00	34.21			1
		1.20	SPT	N=5 (1,1/0,1,2,2)				Soft dark orangish brown very sandy gravelly CLAY. Gravel is fine to medium sub angular of brick, concrete and other lithologies (MADE GROUND)	
		1.50 - 1.60	ES					*…becoming mottled black*	
					1.80	33.41		Very soft brown very sandy CLAY (ALLUVIUM)	
		2.00	SPT	N=0 (0,0/0,0,0,0)					2
		2.00	PID	PID=0.00					
								…becoming soft	
		3.00	SPT	N=4 (0,1/2,1,0,1)	3.00	32.21			3
		3.00	PID	PID=0.00				Loose brown very clayey SAND (ALLUVIUM)	
		4.00	SPT	N=48 (0,4/7,14,18,9)	4.00	31.21			4
								Dense becoming very dense orangish brown very gravelly SAND (Suspected weathered SANDSTONE)	
									5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.43		
2.00	87										
3.00	77										
4.00	67										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was installed with a 50mm diameter standpipe, with a response zone between 2.00 and 3.80mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 13/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385195.52 N397596.37
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS318	WS	35.21m AoD	ES	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	N=50 (10,10/50 for 280mm)				Dense becoming very dense orangish brown very gravelly SAND (Suspected weathered SANDSTONE)
					5.43	29.78		End of Borehole at 5.430m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.43		
2.00	87										
3.00	77										
4.00	67										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was installed with a 50mm diameter standpipe, with a response zone between 2.00 and 3.80mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 15/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385153.74 N397591.68
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS319	WS	34.24m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.12	34.12		Black slightly sandy sub angular to angular fine to medium GRAVEL of asphalt and limestone (MADE GROUND)
					0.30	33.94		Light brown slightly clayey slightly sandy angular fine to coarse GRAVEL of limestone (MADE GROUND)
		0.40 - 0.50	ES					Loose black sandy slightly clayey sub angular to angular fine to coarse GRAVEL of brick, sandstone, and coal. (MADE GROUND)
		1.00	SPT	N=7 (5,2/1,2,1,3)				
		1.70 - 1.80	ES		1.75	32.49		Very loose brown medium fine to coarse SAND (ALLUVIUM)
		2.00	SPT	N=3 (1,0/1,1,0,1)				
		3.00	SPT	N=0 (0,0/0,0,0,0)				
		4.00	SPT	N=50 (0,0/2,7,15,26)	3.90	30.34		Soft brown very sandy CLAY (ALLUVIUM)
					4.40	29.84		Very dense reddish brown fine to coarse SAND (Suspected WEATHERED BEDROCK)
					4.45	29.79		End of Borehole at 4.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.00	96							0.00	4.45		
2.00	86										
3.00	76										
4.00	66										
4.45	66										

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 2.00 and 4.00 mbgl

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 15/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385190.07 N397572.84
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS320	WS	34.22m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20 - 0.30	ES		0.20	34.02		Black Slightly clayey slightly sandy sub angular to angular fine to medium GRAVEL of brick and limestone (MADE GROUND)
		0.50 - 0.60	ES		0.60	33.62		Brown slightly clayey sandy sub angular to angular GRAVEL of brick and limestone. (MADE GROUND)
		1.00	SPT	N=12 (12,12/4,2,2,4)				Brick and mortar recovered as a medium dense red/black fine to coarse SAND and sub angular to angular fine to coarse GRAVEL of brick and mortar (MADE GROUND; suspecting footings)
		1.50	SPT	50 (25 for 110mm/50 for 90mm)				*...at 1.50mbgl sampler refusing on obstruction*
					1.70	32.52		End of Borehole at 1.700m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
0.40	96							0.00	1.70		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 0.50 and 1.00mbgl

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 15/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385201.25 N397550.27
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS321	WS	34.16m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20 - 0.30	ES		0.30	33.86		Dark brown sandy organic CLAY with frequent roots and roootlets (TOPSOIL)
								Brown medium fine to coarse SAND with rare brick (MADE GROUND)
		1.00 - 1.10 1.00	ES SPT	N=18 (4,4/4,5,4,5)	0.95	33.21		Medium dense becoming very dense orangish brown clayey fine to coarse SAND (WEATHERED BEDROCK)
		1.70	SPT	50 (8,16/50 for 120mm)				
					2.04	32.12		End of Borehole at 2.040m

1 2 3 4 5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.00 1.50	96 96							0.00	2.04		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Hole terminated due to SPT refusal at 2.04mbgl

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 15/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385189.45 N397533.38
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS322	WS	36.34m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10 - 0.20	ES					Black Slightly clayey slightly sandy sub angular to angular fine to coarse GRAVEL of brick and limestone (MADE GROUND)
		0.30 - 0.40	ES		0.30	36.04		Brown fine to coarse SAND (ALLUVIUM)
		1.00	SPT	N=50 (8,11/50 for 265mm)	1.00	35.34		Very dense reddish brown gravelly fine to coarse SAND. Gravel is angular fine to coarse sandstone (SUSPECTED WEATHERED BEDROCK)
					1.42	34.92		End of Borehole at 1.420m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.00	96							0.00	1.42		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 0.50 and 1.00mbgl

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 01/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385240.33 N397593.79
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS323	WS	36.65m AoD	ES	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.16	36.49		CONCRETE (MADE GROUND)
		0.30 - 0.40	ES					Grey slightly sandy angular to subangular fine to coarse limestone and brick GRAVEL. Slight hydrocarbon odour. (MADE GROUND; subbase)
					0.50	36.15		Dark brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is fine subangular to subrounded brick, concrete and other lithologies (MADE GROUND)
					1.00	35.65		Soft brown gravelly very sandy CLAY. Gravel is fine to medium subangular to rounded brick, concrete and other lithologies. (MADE GROUND)
		1.20	SPT	N=4 (1,0/1,1,1,1)				
		2.00	SPT	N=2 (0,0/0,0,1,1)				
		2.20 - 2.30	ES					
								…from 2.50mbgl: ash, clinker and coal present
		3.00	SPT	N=5 (0,1/1,1,1,2)				
					3.10	33.55		Soft brown slightly gravelly very sandy CLAY. Gravel is subangular to subrounded fine to medium sandstone and quartz (ALLUVIUM)
								…between 3.10 and 3.50mbgl: black mottling
		4.00	SPT	N=3 (0,0/0,1,1,1)				
					4.80	31.85		Very dense brown very silty fine to medium SAND (SUSPECTED WEATHERED BEDROCK)

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	5.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 3.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 01/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385240.33 N397593.79
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS323	WS	36.65m AoD	ES	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	50 (0,1/50 for 220mm)				Very dense brown very silty fine to medium SAND (SUSPECTED WEATHERED BEDROCK)
					5.45	31.20		End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	5.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 3.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 01/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385249.21 N397568.72
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS324	WS	36.95m AoD	ES	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20 - 0.30	ES		0.14	36.81		CONCRETE (MADE GROUND)
								Grey slightly sandy angular to subangular fine to coarse limestone and brick GRAVEL. Slight hydrocarbon odour. (MADE GROUND; subbase)
		0.60 - 0.70	ES		0.45	36.50		Dark grey and black slightly clayey sandy angular to subrounded fine to medium GRAVEL of brick, clinker, slate, glass. Ash present. Hydrocarbon odour from 1.0mbgl (MADE GROUND; fill)
		1.20	SPT	N=4 (1,2/1,1,1,1)	1.25	35.70		Loose orangish brown slightly silty fine SAND (MADE GROUND; reworked natural)
		1.60 - 1.80	ES		1.50	35.45		Very loose brownish grey mixed black clayey sandy angular to subangular fine to coarse GRAVEL of brick, limestone, sandstone and other lithologies. Ash present. (MADE GROUND; fill)
		2.00	SPT	N=2 (2,1/1,0,0,1)				*…between 2.00 and 3.00mbgl: 5% recovery due to loose gravels. Unable to progress casing*
		3.00	SPT	N=0 (0,0/0,0,0,0)				*…at 2.95mbgl: becoming sandy, very clayey*
					3.40	33.55		Firm brown slightly gravelly very sandy CLAY. Gravel is subangular to subrounded fine to medium sandstone and quartz (ALLUVIUM)
		4.00	SPT	N=9 (1,2/2,2,2,3)				
					4.35	32.60		Medium dense light brown clayey fine to medium SAND (ALLUVIUM)
		5.00	SPT	N=12 (1,1/1,3,3,5)				

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	5.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 3.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 01/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385249.21 N397568.72
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS324	WS	36.95m AoD	ES	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					5.45	31.50		Medium dense light brown clayey fine to medium SAND (ALLUVIUM)
								End of Borehole at 5.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	5.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 1.0 and 3.0mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 01/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385264.88 N397573.79
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS325	WS	34.50m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								CONCRETE (MADE GROUND)
		0.40 - 0.50	ES		0.30	34.20		Dark brown very sandy angular to sunagular fine to coarse GRAVEL of brick, concrete, limestone with rare glass and small mechanical parts (MADE GROUND; demolition fill)
		1.20	SPT	N=32 (0,0/0,1,1,30)				
					1.40	33.10		Soft greyish brown sandy very gravelly CLAY. Gravel is fine to coarse angular to subangular brick and sandstone. (MADE GROUND)
								…at 1.40mbgl: sandstone cobble
								…from 1.50mbgl: organic odour
		2.00	SPT	N=0 (1,0/0,0,0,0)	2.00	32.50		*…at 2.00mbgl: 0% recovery. Suspected very loose saturated soils.*
								End of Borehole at 2.000m

1 2 3 4 5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	2.00		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole installed with 50mm diameter standpipe, with a response zone between 0.50 and 1.90mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385209.75 N397579.74
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS326	WS	35.10m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.15	34.95		Concrete slab (MADE GROUND)
					0.28	34.82		Stone setts (MADE GROUND)
		0.40	ES					Brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse sub angular to sub rounded of brick, mudstone, slate and clinker (MADE GROUND)
		1.20	SPT	N=1 (0,1/0,0,1,0)				
		1.40	ES					
					1.63	33.47		*…orangish brown sand band*
		2.00	SPT	N=5 (0,1/1,1,2,1)				Soft brown slightly gravelly sandy CLAY. Gravel is fine angular to sub angular of mudstone, coal (GLACIAL TILL)
	▼	3.00	SPT	N=6 (1,1/1,1,2,2)	2.70	32.40		Loose brown clayey fine to medium SAND (ALLUVIUM)
								…no longer clayey
		4.00	SPT	N=5 (0,0/1,2,1,1)				
					4.90	30.20		Medium dense brown coarse SAND & medium sub
		5.00	SPT	N=32 (6,10/13,8,4,7)				

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 3.00mbgl. 3. Upon completion exploratory hole was installed with 50mm diameter standpipe, with a response zone between 1.50 to 5.00mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385209.75 N397579.74
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS326	WS	35.10m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					5.45	29.65		Medium dense brown coarse SAND & medium sub angular to sub rounded GRAVEL of sandstone (ALLUVIUM)
								End of Borehole at 5.450m

6
7
8
9
10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.45		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 3.00mbgl. 3. Upon completion exploratory hole was installed with 50mm diameter standpipe, with a response zone between 1.50 to 5.00mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 13/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385226.12 N397588.37
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS327	WS	34.82m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Orangish brown gravelly SAND. Gravel is fine to coarse sub angular to angular of brick, slate and concrete (MADE GROUND)
					0.80	34.02		
		1.00	PID	PID=0.00				Soft brown slightly sandy slightly gravelly SILT/ CLAY. Gravel is fine to medium subangular of brick (MADE GROUND)
		1.20	SPT	N=5 (1,2/1,1,1,2)				*…becoming gravelly and mottled black (ashy)*
		1.40 - 1.50	ES					
					1.70	33.12		Loose brown very clayey silty SAND (ALLUVIUM)
		2.00	SPT	N=6 (1,2/1,2,2,1)				
		2.00	PID	PID=0.00				
					2.30	32.52		Soft brown very sandy CLAY (ALLUVIUM)
					2.80	32.02		Loose brown very clayey silty SAND (ALLUVIUM)
		3.00	SPT	N=7 (1,1/1,2,2,2)				
		3.00	PID	PID=0.00				
		4.00	SPT	50 (3,9/50 for 215mm)	4.00	30.82		Very dense orangish brown fine to coarse sand (WEATHERED SANDSTONE)
					4.36	30.46		End of Borehole at 4.360m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	4.36		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was installed with a 50mm diameter standpipe, with a response zone between 2.00 and 4.00mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 13/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385241.96 N397567.73
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS328	WS	34.03m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	33.83		Brown very gravelly CLAY. With frequent roots in upper 0.05m (MADE GROUND)
					0.35	33.68		Grey fine to coarse slightly sandy sub angular to angular gravel of limestone (MADE GROUND)
		0.60 - 0.70	ES		0.60	33.43		Reddish brown fine to coarse sub angular to angular GRAVEL of brick. Meidum to high brick cobble content (MADE GROUND)
		1.00 - 1.30	ES					Brown stained black gravelly SAND. Gravel fine to coarse angular of brick. Very strong hydrocarbon odour (MADE GROUND)
		1.00	PID	PID=1.00				
					1.40	32.63		Greyish brown becoming brown very clayey SAND. Moderate hydrocarbon odour (ALLUVIUM)
		1.80 - 2.40	ES					
		2.00	PID	PID=32.40				*…becoming wet*
								…hydrocarbon odour
		3.00	PID	PID=30.80				
								…becoming very gravelly
		4.00	PID	PID=0.50				
					4.44	29.59		End of Borehole at 4.440m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	4.44		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 2.00mbgl. 3. Upon completion exploratory hole was installed with 50mm diameter standpipe with a response zone between 1.00 and 3.00 mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 16/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385235.85 N397578.38
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS329	WS	34.51m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
	▼				0.20	34.31		Grass over slighlty sandy slightly silty clay withh frequent roots and rootlets (TOPSOIL)
					0.30	34.21		Brown slightly sandy fine to coarse sub angular to angular GRAVEL of brick and concrete. (MADE GROUND)
								...water strike fast ingress
								End of Borehole at 0.300m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
0.30	300							0.00	0.30		

Remarks

1. Inspection Pit hand excavated to 0.30mbgl before encountering obstruction. 2. Groundwater was observed at 0.20mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 16/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385233.93 N397577.62
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS329A	WS	34.51m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.10	34.41		Grass over slighlty sandy slightly silty clay withh frequent roots and rootlets (TOPSOIL)
		0.30 - 0.40	ES					Slightly sandy clayey fine to coarse sub angular to angualr GRAVEL of brick and concrete (MADE GROUND)
								...brick cobble
		0.50	PID	PID=44.50				*...becoming black oily sheen with hydrocarbon odour*
		0.70 - 0.80	ES		0.65	33.86		*...frequent hydrocarbon stained timber fragments*
					0.80	33.71		*...rounded medium to coarse mudstone gravel*
					0.90	33.61		Brown slightly sandy clayey fine to coarse sub angular to angular GRAVEL of brick and slate (MADE GROUND)
		1.00 - 1.10	ES					
		1.00	PID	PID=1.90				
		1.20	SPT	N=4 (0,0/1,1,1,1)				Slightly sandy black CLAY with frequent roots rootles and organic matter (RELIC TOPSOIL)
								Loose dark brown becoming brown slightly clayey SAND (ALLUVIUM)
		2.00	SPT	N=5 (0,0/1,1,1,2)				
		2.00	PID	PID=0.10				
		3.00	SPT	N=4 (0,1/1,1,1,1)				
		3.00	PID	PID=0.00				
	▼				3.90	30.61		Dense brown SAND and medium to fine rounded to well rounded GRAVEL of sandstone and mudstone (ALLUVIUM)
		4.00	SPT	N=33 (0,3/9,7,8,9)				
		4.00	PID	PID=0.00				*...becoming wet*
		4.70	SPT	50 (25 for 75mm/50 for 110mm)	4.70	29.81		Very dense reddish brown medium SAND (WEATHERED SANDSTONE)
		4.70	PID	PID=0.00	4.81	29.70		End of Borehole at 4.810m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	4.81		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 4.00mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 16/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385221.55 N397579.46
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS330	WS	34.81m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.50 0.50	ES PID	PID=0.30				Soft brown sandy very gravelly CLAY. Gravel is fine to coarse sub angular to angular of brick and concrete (MADE GROUND)
		1.00	PID	PID=0.70				
		1.20	SPT	N=9 (3,3/5,2,1,1)				
					1.50	33.31		
					1.60	33.21		Soft dark brown slightly silty slightly sandy CLAY (ALLUVIUM) Soft brown very sandy CLAY (ALLUVIUM)
		2.00 2.00	SPT PID	N=6 (1,1/1,2,2,1) PID=0.00	2.00	32.81		Loose brown fine to medium SAND (ALLUVIUM) *…becoming wet*
		3.00 3.00	SPT PID	N=5 (2,1/1,1,1,2) PID=0.00				
								…becoming light brown medium sand
		4.00 4.00	SPT PID	N=50 (8,8/50 for 285mm) PID=0.00				
					4.45	30.36		End of Borehole at 4.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20 2.00 3.00 4.00	300 97 87 77							0.00	4.45		

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling 2. Groundwater was observed at 2.00mbgl. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385220.97 N397568.33
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS331	WS	35.00m AoD	RM	1:25	Sheet 1 of 2

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.07	34.93		Concrete slab (MADE GROUND)
		0.20	ES		0.26	34.74		Black sandy fine to medium sub angular to angular GRAVEL of clinker (MADE GROUND)
		0.80	ES					Brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse sub angular to sub rounded of brick, mudstone, slate and clinker (MADE GROUND)
		1.20	SPT	N=3 (0,0/0,0,1,2)	1.25	33.75		Soft brown slightly sandy gravelly CLAY. Gravel is fine to medium rounded to sub rounded of mudstone (GLACIAL TILL)
		2.00	SPT	N=2 (1,0/0,1,0,1)	1.85	33.15		Very loose brown clayey fine to medium SAND (ALLUVIUM)
		3.00	SPT	N=3 (0,1/1,0,1,1)				
	▼	4.00	SPT	N=2 (0,0/0,0,1,1)				*…becoming wet*
					4.50	30.50		Medium dense becoming very dense brown coarse SAND & fine to medium subrounded to well rounded GRAVEL of mudstone (ALLUVIUM)

1 2 3 4 5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.31		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 4.00mbgl. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 11/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385220.97 N397568.33
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS331	WS	35.00m AoD	RM	1:25	Sheet 2 of 2

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		5.00	SPT	48 (25 for 135mm/48 for 180mm)				Medium dense becoming very dense brown coarse SAND & fine to medium subrounded to well rounded GRAVEL of mudstone (ALLUVIUM)
					5.31	29.69		End of Borehole at 5.310m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	5.31		
2.00	97										
3.00	87										
4.00	77										
5.00	67										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was observed at 4.00mbgl. 3. Upon completion exploratory hole was backfilled with arsings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 16/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385034.11 N397602.01
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS332	WS	34.91m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.05	34.86		Asphalt (MADE GROUND)
					0.15	34.76		Light brown sandy fine to coarse sub angular to angular GRAVEL of limestone (MADE GROUND)
								Dark brown gravelly SAND. Gravel is fine to coarse sub angular to angular of limestone and brick (MADE GROUND)
					0.60	34.31		Brown gravelly SAND. Gravel is fine to coarse sub angular to angular of brick slate and concrete (MADE GROUND)
		1.00	ES					
		1.20	SPT	N=10 (1,2/3,2,3,3,2)				
					1.90	33.01		Dark brown slightly sandy gravelly CLAY. Gravel is sub angular to angular fine to coarse of brick (MADE GROUND)
		2.00	SPT	N=28 (4,5/4,5,8,11)				*…brick recovered as fine to coarse gravel and red sand*
		2.60 - 2.90	ES					
		3.00	SPT	N=3 (1,1/0,0,2,1)				*…becoming brown sandy*
		4.00	SPT	50 (25 for 0mm/50 for 0mm)	4.00	30.91		End of Borehole at 4.000m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	4.00		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 17/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385165.44 N397508.71
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS401	WS	37.58m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	37.48		Asphalt (MADE GROUND)
					0.30	37.28		Light brown sandy fine to coarse sub angular to angular GRAVEL of limestone (MADE GROUND)
		0.50	ES					Dense reddish brown sandy fine to coarse sub angular to angular GRAVEL of brick (MADE GROUND)
		1.20	SPT	N=50 (10,11/50 for 275mm)				
		2.00	SPT	N=39 (4,7/12,8,8,11)				
		3.00	SPT	N=50 (10,11/50 for 240mm)				
		3.30 - 3.70	ES		3.30	34.28		Dark brown silty SAND. Strong hydrocarbon/ chemical odour (ALLUVIUM)
		3.80	PID	PID=222.50				*...becoming brown*
		4.00	SPT	50 (10,15/50 for 175mm)				
					4.32	33.26		End of Borehole at 4.320m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	4.32		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit hand excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole was installed with a 50mm diameter standpipe with a response zone between 3.00 and 4.00mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 04/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385180.56 N397509.50
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS402	WS	38.59m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	38.49		ASPHALT (MADE GROUND)
					0.25	38.34		Light brown sandy angular to subangular fine to coarse GRAVEL of limestone (MADE GROUND; subbase)
					0.50	38.09		Reddish brown slightly clayey gravelly fine to coarse SAND. Gravel is fine to medium angular to subangular brick and other lithologies (MADE GROUND)
								...at 0.50mbgl: cobble setts / obstruction
								End of Borehole at 0.500m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	0.50		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 04/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385169.17 N397488.44
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS403	WS	38.21m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	38.11		ASPHALT (MADE GROUND)
								Light brown very sandy angular fine to coarse GRAVEL of limestone (MADE GROUND;subbase)
					0.35	37.86		Orangish brown angular fine to medium GRAVEL of crushed brick (MADE GROUND)
					0.50	37.71		Reddish brown slightly clayey gravelly fine to coarse SAND. Gravel is fine to medium angular to subangular brick and other lithologies (MADE GROUND)
					0.70	37.51		*...at 0.70mbgl: cobble setts / obstruction*
								End of Borehole at 0.700m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	0.70		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 04/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385175.47 N397499.44
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS404	WS	38.46m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.40 - 0.50	ES		0.30	38.16		Asphalt over brown sandy angular fine to coarse GRAVEL of limestone (MADE GROUND; subbase)
					0.65	37.81		Reddish brown slightly clayey gravelly SAND. Gravel is fine to medium angular to subangular brick. Moderate hydrocarbon odour (MADE GROUND)
								...at 0.65mbgl: cobble setts / obstruction
								End of Borehole at 0.650m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	0.65		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 04/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385138.19 N397507.98
Project No. : 4153	Crew Name: O. Roberts	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS405	WS	36.93m AoD	ES	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	36.83		ASPHALT (MADE GROUND)
					0.30	36.63		Light brown sandy angular to subangular fine to coarse GRAVEL of limestone (MADE GROUND; subbase)
					0.45	36.48		Loose brick masonry coated with asbestos cement. (MADE GROUND)
								End of Borehole at 0.450m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
								0.00	0.45		

Remarks

1. Inspection Pit hand excavated to 1.2mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion exploratory hole backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 26/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385153.79 N397501.70
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS406	WS	37.35m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.10	37.25		Asphalt (MADE GROUND)
					0.25	37.10		Light brown sandy Gravel (MADE GROUND)
		1.20	SPT	N=7 (0,0/1,2,2,2)				Brown slighlty sandy gravelly CLAY. Gravel is fine to coarse sub angular to angular of brick (MADE GROUND)
					1.60	35.75		Stiff brown silty CLAY (ALLUVIUM)
		2.00	SPT	N=22 (3,4/5,6,5,5,6)				*...becoming mottled orange and sandy*
					2.40	34.95		Medium dense light brown medium SAND (ALLUVIUM)
		3.00	SPT	N=48 (14,11/13,10,12,13)				
					3.20	34.15		Brown slightly clayey sandy fine to medium sub rounded to sub angular GRAVEL of mudstone and quartz (ALLUVIUM)
		3.80	SPT	50 (25 for 100mm/50 for 155mm)	3.70	33.65		Very dense orangish brown medium SAND (WEATHERED SANDSTONE)
					4.05	33.30		End of Borehole at 4.050m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	4.05		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit vacuum excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion borehole was installed with a 50mm diameter standpipe with a response zone between 2.00 and 3.80mbgl.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 26/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385170.48 N397496.48
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS407	WS	38.00m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	37.90		Asphalt (MADE GROUND)
					0.25	37.75		Light brown sandy GRAVEL (MADE GROUND)
								Reddish brown mixed grey clayey sandy fine to coarse sub angular to angular GRAVEL of brick (MADE GROUND)
					0.80	37.20		Loose orangish brown sandy fine to coarse sub rounded to rounded GRAVEL of mudstone (ALLUVIUM)
		1.20 - 1.60 1.20	ES SPT	N=9 (1,2/2,2,3,2)				
					1.60	36.40		Soft sandy slightly gravelly CLAY. Gravel is fine to medium sub rounded to rounded of mudstone and sub angular to angular of charcoal and coal (GLACIAL TILL)
		2.00	SPT	N=4 (1,2/1,0,1,2)				
					2.55	35.45		Very dense orangish brown medium SAND (WEATHERED CHESTER SANDSTONE FORMATION)
		3.00	SPT	50 (8,13/50 for 225mm)				
					3.37	34.63		End of Borehole at 3.370m

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20 2.00 3.00	300 97 87							0.00	3.37		

Remarks

1. Inspection Pit vacuum excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion borehole was backfilled with arisings.

Percussion Drilling Log

Project Name: Mayfield	Client: U+I	Date: 26/11/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385175.45 N397514.22
Project No. : 4153	Crew Name:	Drilling Equipment: Dando Terrier

Borehole Number	Hole Type	Level	Logged By	Scale	Page Number
WS408	WS	38.33m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	38.23		Asphalt (MADE GROUND)
								Light brown sandy GRAVEL (MADE GROUND)
		0.40	ES		0.35	37.98		Slightly clayey fine to medium sub angular to angular GRAVEL of brick (MADE GROUND)
					0.50	37.83		Concrete (MADE GROUND)
								…metal sheet
					0.80	37.53		Brown clayey sandy fine to coarse sub angular to angular GRAVEL of brick (MADE GROUND)
		1.20	SPT	N=3 (0,0/0,0,1,2)	1.20	37.13		Very soft brown gravelly CLAY. Gravel is fine to coarse sub angular to angular of brick and fine to medium sub rounded to rounded of mudstone (MADE GROUND)
					1.80	36.53		Soft light brown mottled orange slightly gravelly sandy CLAY. Gravel is fine to medium sub rounded to rounded of mudstone and quartz (GLACIAL TILL)
		2.00	SPT	N=8 (1,2/2,2,2,2)				
								…becoming brown mottled orange and grey
		3.00	SPT	N=10 (0,1/2,2,3,3)				
					3.50	34.83		Orangish brown clayey silty slightly gravelly SAND. Gravel is fine to medium rounded of mudstone. (Suspected weathered SANDSTONE)
								…interbedded yellowish brown medium sand bands
		4.00	SPT	50 (25 for 75mm/50 for 80mm)				
					4.15	34.18		End of Borehole at 4.150m

1 2 3 4 5

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation
1.20	300							0.00	4.15		
2.00	97										
3.00	87										
4.00	77										

Remarks

1. Inspection Pit vacuum excavated to 1.20mbgl prior to drilling. 2. Groundwater was not observed. 3. Upon completion borehole was backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385055.32 N397609.30
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
SA1	TP	34.35m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	34.25		Concrete (MADE GROUND)
					0.20	34.15		Compacted brick fill (MADE GROUND)
								Greyish brown fine to coarse angular GRAVEL of brick and mortar (MADE GROUND)
					0.80	33.55		Greyish brown sandy angular fine to coarse GRAVEL of brick slate and mortar (MADE GROUND)
					1.25	33.10		End of Borehole at 1.250m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385127.02 N397612.14
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
SA2	TP	34.49m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	34.34		Concrete (MADE GROUND)
					0.90	33.59		Compacted brick fill with concrete, mortar and rare ash (MADE GROUND)
					2.00	32.49		Greyish brown sandy angular fine to coarse GRAVEL of brick with rare ash (MADE GROUND)
								End of Borehole at 2.000m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385081.39 N397527.18
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
SA3	TP	33.18m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	33.08		Concrete (MADE GROUND)
					0.30	32.88		Compacted brick fill (MADE GROUND)
								Sandstone recovered as orangish brown sand (WEATHERED CHESTER SANDSTONE FORMATION)
					1.00	32.18		End of Borehole at 1.000m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 11/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385190.01 N397602.23
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP301	TP	35.27m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete Slab (MADE GROUND)
					0.30	34.97		Brown sandy sub angular to angular fine to coarse GRAVEL of brick and concrete (MADE GROUND)
		0.50 0.50	B ES					*…at 0.40mbgl plastic pipe*
					0.70	34.57		Very soft brown mottled orange sandy gravelly CLAY. Gravel is fine to coarse sub angular to angular of brick (MADE GROUND; reworked natural)
		1.00 1.00	D ES					
					2.00	33.27		Loose light brown clayey fine to coarse SAND (ALLUVIUM)
					2.60	32.67		End of Borehole at 2.600m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 11/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385228.10 N397598.53
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP302	TP	35.33m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.40	ES		0.30	35.03		Brown slighlty sandy gravelly organic CLAY. Gravel fine to medium sub angular to angular of brick, limestone and concrete. (MADE GROUND)
								Brown slightly clayey sandy sub angular to angular fine to coarse GRAVEL of brick concrete and slate. (MADE GROUND)
		1.00	D		0.80	34.53		Stiff brown mottled dark grey friable slightly sandy gravelly CLAY. Gravel angular to sub rounded of coal and brick. (MADE GROUND)
		1.00	ES					
					1.20	34.13		Firm brown slightly gravelly slightly sandy CLAY. Gravel fine to medium well rounded to rounded of Mudstone (GLACIAL TILL)
		2.00	B		2.00	33.33		Brown medium to fine slightly clayey fine to coarse SAND (ALLUVIUM)
					2.30	33.03		End of Borehole at 2.300m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 11/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385208.55 N397590.25
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP303	TP	35.03m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.40 0.40	B ES		0.20	34.83		Dark brown slightly clayey SAND with frequent roots and rootlets (TOPSOIL)
		1.20	ES					Black clayey gravelly SAND. Gravel sub angular to angular of brick and clay pipe. Strong hydrocarbon odour (MADE GROUND) *…at 0.30mbgl metal pipework* *…at 0.40mbgl section of brickwall and steel beam*
		1.60	B		1.60	33.43		Light brown clayey fine to coarse SAND (ALLUVIUM)
		2.00	ES					
					2.60	32.43		End of Borehole at 2.600m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 11/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385212.15 N397574.64
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP304	TP	35.10m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.25	34.85		Concrete Slab (MADE GROUND)
								Reddish brown angular brick COBBLES (MADE GROUND)
		0.50 - 0.60 0.50 - 0.60	B ES		0.50	34.60		Brown slightly clayey sandy fine to coarse sub angular to angular GRAVEL of brick and concrete. (MADE GROUND)
		1.00 1.00	D ES		1.00	34.10		Very soft yellowish brown sandy CLAY (MADE GROUND)
					1.20	33.90		Soft brown mottled light brown slighlty sandy CLAY (GLACIAL TILL)
		1.70	B		1.70	33.40		Firm brown mottled orange mottled grey slightly sandy CLAY (GLACIAL TILL)
					2.00	33.10		End of Borehole at 2.000m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 11/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385228.70 N397581.02
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP305	TP	34.65m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Grass over brown organic clayey medium SAND with frequent roots and rootlets (TOPSOIL)
					0.30	34.35		
		0.40	B					Brown sandy sub angular to angular fine to coarse GRAVEL of brick and concrete and occasional brick cobbles / boulders. (MADE GROUND)
		0.50 - 0.60	ES					*…at 0.50mbgl rebar and metal wiring*
								…at 0.50 to 0.80mbgl becoming black with hydrocarbon odour
								…at 0.80mbgl becoming wet hydrocarbon odour
	▼	1.00 - 1.10	ES					*…at 1.00mbgl perched water table*
		1.10	D		1.10	33.55		Dark brown clayey organic fine to medium SAND (RELIC TOPSOIL)
					1.50	33.15		Brown clayey fine to coarse SAND (ALLUVIUM)
		2.00	D		2.00	32.65		End of Borehole at 2.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 09/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385221.17 N397546.38
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP306	TP	39.19m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete Slab (MADE GROUND)
					0.45	38.74		VOID (Basement Structure)
					5.00	34.19		End of Borehole at 5.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. A 5m deep void was uncovered, location made safe and terminated.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 09/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385265.41 N397550.30
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP308	TP	34.27m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete Slab (MADE GROUND)
					0.20	34.07		Dark brown/black cobbley gravelly fine to coarse SAND. Gravel fine to coarse sub angular to angular of brick. Frequent whole brick cobbles. (MADE GROUND)
		0.50	ES					*…at 0.40mbgl plastic pipework in western face of pit*
		1.00	ES					*…between 0.90 and 3.70mbgl brick column in eastern face of pit*
					1.30	32.97		Fine to medium reddish brown SAND (MADE GROUND)
								…between 1.50 and 3.70mbgl brick column in western pit face
		1.70	B		1.70	32.57		Brown sandy angular, fine to coarse GRAVEL of brick and concrete. Frequent whole brick cobbles. (MADE GROUND)
					3.70	30.57		End of Borehole at 3.700m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 14/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385105.56 N397557.03
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP309	TP	34.45m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete Slab (MADE GROUND)
					0.20	34.25		
								Intact brick masonry (MADE GROUND)
					0.35	34.10		
		0.40	B					Stone flags (MADE GROUND)
		0.40	ES		0.40	34.05		Brown medium to coarse gravelly SAND. Gravel fine to coarse sub angular to angular of brick. (MADE GROUND)
					0.70	33.75		Soft brown very clayey fine to coarse SAND with rare gravel of mudstone, quartz and sandstone. (ALLUVIUM)
		1.50	B					
					3.20	31.25		End of Borehole at 3.200m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 14/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385087.99 N397604.17
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP310	TP	34.48m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete Slab (MADE GROUND)
					0.30	34.18		
		0.40	B					Brown slightly clayey sandy subangular to angular fine to coarse GRAVEL of brick concrete and slate. Frequent brick and concrete cobbles (MADE GROUND)
					0.50	33.98		
		0.60	ES					Black sandy subangular to angular fine to coarse GRAVEL of brick and slate. Large number of glass fragments (MADE GROUND)
								…at 1.20mbgl clay pipe with water seepage eastern face of pit
		1.50	ES					*…at 1.50mbgl suspected dyeworks contamination*
					1.80	32.68		Soft brown very sandy CLAY (ALLUVIUM)
		2.00	B					
					2.50	31.98		End of Borehole at 2.500m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 14/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385106.69 N397610.48
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP311	TP	34.48m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete Slab (MADE GROUND)
					0.20	34.28		Intact brick masonry (MADE GROUND)
					0.50	33.98		Brown clayey sandy rounded to angular fine to coarse GRAVEL of brick and small pebbles (MADE GROUND)
		1.00	B					
		1.00	ES					
		1.50	ES					
		2.00	B					
		2.00	ES					
					2.90	31.58		Reddish brown fine to coarse SAND (WEATHERED SANDSTONE)
					3.00	31.48		End of Borehole at 3.000m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 14/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385106.16 N397574.58
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP312	TP	34.48m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete Slab (MADE GROUND)
					0.35	34.13		
		0.50 0.50	B ES					Brown medium to coarse gravelly SAND. Gravel fine to coarse sub angular to angular of brick. (MADE GROUND)
		1.20 - 1.30	ES		1.20	33.28		Brown slightly clayey gravelly SAND. Gravel is fine to coarse subangular to subrounded various lithologies (ALLUVIUM)
					3.90	30.58		Light brown cobbley fine to coarse SAND and well rounded fine to coarse GRAVEL of mudstone (ALLUVIUM)
					4.20	30.28		End of Borehole at 4.200m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385113.40 N397575.24
Project No. : 4153	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP312A	TP	34.48m AoD		1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.50	33.98		Concrete Footing (MADE GROUND)

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

Remarks

1. Location on concrete pad footing, relocated (TP312)

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 16/12/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385059.36 N397606.68
Project No. : 4153	Crew Name:	Equipment: 13t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP313	TP	34.30m AoD		1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	34.20		Concrete (MADE GROUND)
					0.25	34.05		Brick screed concrete (MADE GROUND)
					0.60	33.70		Loose angular coarse brick COBBLES with ash (MADE GROUND)
					1.30	33.00		Loose blackish grey angular fine to coarse SLATE with bitumen and ash present (MADE GROUND)
		1.50	ES					Dark brown slightly sandy clayey fine to coarse angular to rounded brick, limestone, concrete and rare ash (MADE GROUND)
		2.00	ES		2.00	32.30		Very soft brown slightly gravelly very sandy CLAY. Gravel is fine to coarse subangular to rounded quartz, mudstone (ALLUVIUM)
								…between 2.0 and 2.8mbgl: Concrete block in southern pit face; extending southwards
					3.70	30.60		Orangish brown gravelly fine to coarse SAND. Gravel is angular fine to coarse sandstone (WEATHERED SANDSTONE)
					3.90	30.40		End of Borehole at 3.900m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
3.00	1.00		None				

Remarks

1. Location scanned for services prior to excavation. 2. Groundwater seepage observed at 2.0mbgl; perched water on top of obstruction.
3. Upon completion exploratory location backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 16/12/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385093.40 N397582.10
Project No. : 4153	Crew Name:	Equipment: 13t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP314	TP	34.48m AoD		1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	34.38		Concrete (MADE GROUND)
					0.20	34.28		Brick screed concrete (MADE GROUND)
		0.30	ES					Loose angular coarse brick COBBLES with ash (MADE GROUND)
					0.40	34.08		Firm brown friable slightly sandy slightly gravelly CLAY. Gravel is angular fine to coarse brick, concrete, mortar and limestone. (MADE GROUND)
					0.60	33.88		*…between 0.5 and 0.6mbgl: ash band*
								Grey brown slightly silty sandy angular to subrounded fine to coarse brick, mudstone GRAVEL (MADE GROUD)
					1.00	33.48		Loose brown slightly gravelly silty fine to coarse SAND. Gravel is fine to coarse subangular to rounded quartz, mudstone and sandstone. (ALLUVIUM)
		1.50	ES					
					3.00	31.48		Orangish brown gravelly fine to coarse SAND. Gravel is angular fine to coarse sandstone, quartz and mudstone (ALLUVIUM)
								…at 3.5mbgl: becoming weathered sandstone
					4.10	30.38		End of Borehole at 4.100m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
2.50	1.00		None				

Remarks

1. Location scanned for services prior to excavation. 2. No groundwater was observed. 3. Upon completion exploratory location backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 13/08/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385253.63 N397493.53
Project No. : 4153	Crew Name:	Equipment: Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP401	TP	47.36m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.50	ES					Vegetation over light brown slightly gravelly very sandy CLAY. Gravel is angular to subrounded fine to coarse brick, concrete, quartz. Occasional pockets of brick and concrete cobbles. (MADE GROUND; Stockpiled Material)
		1.00	ES					
		1.50 - 2.00	B					
		2.00	ES		2.00	45.36		Stiff dark grey slighly sandy gravelly CLAY with high cobble content of brick, concrete and asphalt with frequent metal scrap, rubber matting and plastic scraps (MADE GROUND; Underlying stockpile)
		2.50	ES					
					3.00	44.36		End of Borehole at 3.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
2.50	1.50		None				

Remarks

1. Location scanned for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion the location was backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 13/08/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385272.92 N397479.99
Project No. : 4153	Crew Name:	Equipment: Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP402	TP	43.84m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.30	ES					Vegetation over dark brown sandy gravelly CLAY. Gravel is angular to subangular fine to coarse brick, concrete, slate and plastic sheeting. High cobble content of brick and concrete (MADE GROUND; Stockpiled material with demolition waste)
		0.80	ES					*…from 0.8mbgl: pockets of sand*
		1.00 - 1.50	B					
					1.80	42.04		End of Borehole at 1.800m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
2.50	1.50		None				

Remarks

1. Location scanned for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion the location was backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 13/08/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385269.78 N397469.93
Project No. : 4153	Crew Name:	Equipment: Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP402A	TP	44.71m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.50	ES					Vegetation over dark brown sandy clayey angular fine to coarse GRAVEL of brick, concrete, rebar, plastic and rare paving slab. Occasional pockets of sand throughout (MADE GROUND; Stockpiled Material with demolition waste)
		1.00	ES					
					2.20	42.51		End of Borehole at 2.200m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
1.50	2.50		None				

Remarks

1. Location scanned for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion the location was backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 13/08/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385243.08 N397468.87
Project No. : 4153	Crew Name:	Equipment: Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP403	TP	42.38m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								CONCRETE (MADE GROUND; historical floor slab)
					0.30	42.08		*…between 0.20 - 2.00mbgl: intact brick wall in western pit face.*
								Cemented brick masonry (MADE GROUND; historical building foundations)
					0.80	41.58		Light brown very sandy angular GRAVEL / COBBLES of brick, concrete, ceramics and rare glass. (MADE GROUND; demolition fill)
		1.00 1.00 - 1.50	ES B					
		1.50	ES					
		2.00	ES					*…at 2.00mbgl: cracked concrete footing with seepage of black contaminated water impacting surrounding soils. Very strong hydrocarbon odour.*
		2.50	ES					
					2.60	39.78		Firm greyish brown slightly sandy slightly gravelly CLAY. Gravel is fine to medium subangular to subrounded quartz, mudstone. (GLACIAL TILL)
					3.00	39.38		End of Borehole at 3.000m

1
2
3
4
5

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
2.50	1.50		None				

Remarks

1. Location scanned for services prior to excavation. 2. Contaminated water seepage at 2.0mbgl. 3. Upon completion the location was backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 14/08/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385191.04 N397476.10
Project No. : 4153	Crew Name:	Equipment: Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP404	TP	45.18m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.50	ES					Vegetation over soft brown slightly gravelly very sandy CLAY. Gravel is angular fine to coarse of rare brick, pottery and glass (MADE GROUND; Stockpile material)
		1.00	ES					
		1.00 - 1.50	B					
		1.50	ES					
		2.50	ES					
					3.30	41.88		End of Borehole at 3.300m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
2.50	1.50		None				

Remarks

1. Location scanned for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion the location was backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 14/08/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385236.25 N397487.10
Project No. : 4153	Crew Name:	Equipment: Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP405	TP	46.72m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.50	ES					Vegetation over brown gravelly very sandy CLAY. Gravel is angular to subangular fine to coarse brick and sandstone. Occasional pockets of concrete and brick cobbles (MADE GROUND; stockpiled material)
					1.10	45.62		
		1.50	ES					Greyish brown sandy clayey angular fine to coarse GRAVEL of brick, concrete, cobblestones (MADE GROUND; Stockpiled material with demolition waste)
		2.00 - 2.50	B		2.00	44.72		
		2.50	ES					Greyish brown slightly clayey sandy angular to subangular fine to coarse GRAVEL of brick, concrete, cobblestone and slate with rare glass and metal scrap. Medium cobble content. (MADE GROUND; demolition waste)
		3.50	ES					
					3.80	42.92		End of Borehole at 3.800m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
2.50	1.50		None				

Remarks

1. Location scanned for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion the location was backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 14/08/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385239.78 N397506.91
Project No. : 4153	Crew Name:	Equipment: Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP406	TP	47.29m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.50 0.50 - 1.00	ES B					Brownish grey slightly clayey very sandy angular fine to coarse GRAVEL of brick, concrete, plastic scrap and sheeting, metal scrap and rare glass and slate. Occasional pockets of grey organic clay. (MADE GROUND; Stockpiled material with demolition fill)
		1.50	ES					*…from 1.00mbgl: occasional pockets of brick cobbles*
		2.50	ES					*…from 1.80mbgl: High cobble content of brick and concrete*
		3.50	ES					
					3.70	43.59		End of Borehole at 3.700m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
2.50	1.50		None				

Remarks

1. Location scanned for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion the location was backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 09/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385152.11 N397465.51
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP407	TP	38.03m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	37.73		Vegetation over dark brown organic sandy SILT with frequent roots and rootlets (TOPSOIL)
		1.00 1.00	B ES					Brown slightly clayey sandy gravelly COBBLES of brick, concrete, sandstone brick and limestone. Gravel fine to coarse sub angular to angular of brick. (MADE GROUND)
								…at 1.50mbgl pit becoming unstable
		2.00	ES					
					2.80	35.23		End of Borehole at 2.800m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 09/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385210.59 N397504.89
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP408	TP	40.04m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.20	ES					Grass over brown medium SAND and sub angular to angular fine to coarse GRAVEL of concrete, brick, ceramic and limestone. (MADE GROUND)
		0.40	D					*…at 0.40 to 0.50mbgl asphalt layer*
		0.50	ES					*…at 0.50mbgl rebar in all faces of pit*
					0.60	39.44		Stiff brown mottled yellow friable slightly sandy CLAY (MADE GROUND)
		0.80	B					
		0.80	ES					
					1.00	39.04		End of Borehole at 1.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 10/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385173.37 N397502.52
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP409	TP	38.19m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	38.04		Asphalt (MADE GROUND)
		0.25	ES					Light brown sandy sub angular to angular fine to coarse GRAVEL of limestone. (MADE GROUND)
					0.35	37.84		Dark brown sandy angular to subangular, fine to coarse GRAVEL of brick. Hydrocarbon odour noted. Frequent brick cobbles and occasional glass fragments (MADE GROUND)
					0.75	37.44		Light brown sandy sub angular to angular fine to coarse GRAVEL of limestone. (MADE GROUND)
					0.95	37.24		Dark brown sandy angular to subangular fine to coarse GRAVEL of brick. Hydrocarbon odour noted. Frequent brick cobbles (MADE GROUND)
		1.10 - 1.80	B		1.10	37.09		Reddish brown slightly gravelly clayey fine to coarse SAND. Gravel sub rounded to rounded of sandstone and quartz. (WEATHERED SANDSTONE)
								…at 1.10mbgl orangish brown sand band in north face
		1.70	ES					
					1.80	36.39		End of Borehole at 1.800m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 10/09/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385142.01 N397516.30
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP410	TP	37.17m AoD	RM	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	37.07		Asphalt (MADE GROUND)
								Light brown sandy GRAVEL. Gravel fine to coarse sub angular to angular of limestone. (MADE GROUND)
					0.30	36.87		Dark brown sandy angular to subangular, fine to coarse GRAVEL of brick. Hydrocarbon odour noted. (MADE GROUND).
		0.50 0.50	B ES					
					0.70	36.47		Light brown sandy sub angular to angular, fine to coarse GRAVEL of limestone. (MADE GROUND) *…at 0.70 to 0.80mbgl metal wiring within pit*
					1.10	36.07		End of Borehole at 1.100m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings



Photo No. 1: TP301



Photo No. 2: TP301

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 3: TP301



Photo No. 4: TP301

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 5: TP302



Photo No. 6: TP302

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 7: TP302



Photo No. 8: TP302

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 9: TP303



Photo No. 10: TP303

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 11: TP303

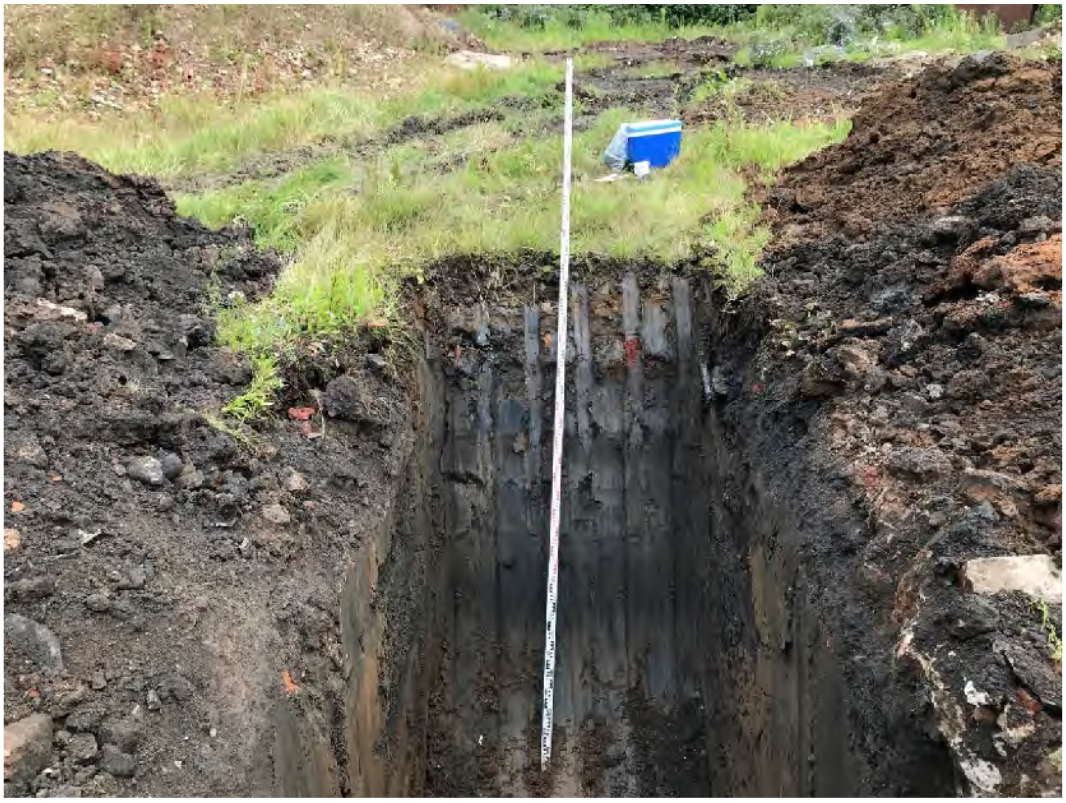


Photo No. 12: TP303

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 13: TP303 Arisings



Photo No. 14: TP304

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 13: TP304



Photo No. 14: TP304

Client:	Mayfield Partnership Ltd	Commercial Wharf, 6 Commercial Street, Manchester, M15 4PZ **T** 0161 214 5390 **W** rocconsulting.com	
Project Name:	Mayfield		
Project No.:	4153		



Photo No. 15: TP304



Photo No. 16: TP304 Arisings

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 17: TP304 Arisings



Photo No. 18: TP305

Client:	Mayfield Partnership Ltd	Commercial Wharf, 6 Commercial Street, Manchester, M15 4PZ **T** 0161 214 5390 **W** rocconsulting.com
Project Name:	Mayfield	
Project No.:	4153	



Photo No. 19: TP305



Photo No. 20: TP305

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 21: TP305



Photo No. 22: TP305 Arisings

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 23: TP308



Photo No. 24: TP308

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 25: TP308



Photo No. 26: TP309

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 27: TP309



Photo No. 28: TP309

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 29: TP309



Photo No. 30: TP310

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 31: TP310



Photo No. 32: TP310

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 33: TP310



Photo No. 34: TP310 Suspected dye works contamination

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 35: TP310 Clay pipe



Photo No. 36: TP311

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 37: TP311



Photo No. 38: TP311

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 39: TP311



Photo No. 40: TP311 Arisings

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 41: TP312



Photo No. 42: TP312

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 43: TP312



Photo No. 44: TP312

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 45: TP312 Arisings



Photo No. 46: TP312 Arisings

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 45: TP313 – concrete block at 2.0 -2.8m in southern pit face



Photo No. 46: TP314

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield
Project No.:	4153

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Photo No. 1: TP401



Photo No. 2: TP401

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 3: TP402



Photo No. 4: TP402 Arisings

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 5: TP402A



Photo No. 6: TP402 + TP402A locations

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 7: TP403



Photo No. 8: TP403

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 9: TP403 Arisings



Photo No. 10: TP403 Arisings / Suspected Contamination

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 11: TP403 Arisings



Photo No. 12: TP403 Arisings

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 13: TP404



Photo No. 14: TP404 Arisings

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 15: TP405



Photo No. 16: TP405 Arisings

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 17: TP405



Photo No. 18: TP405 Arisings

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 19: TP407



Photo No. 20: TP407

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 21: TP408



Photo No. 22: TP408

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 23: TP409



Photo No. 24: TP409

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 25: TP409



Photo No. 26: TP409

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 27: TP409 Arisings



Photo No. 28: TP410

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 29: TP410



Photo No. 30: TP410

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Photo No. 31: TP410



Photo No. 32: TP410 Arisings

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Trial Pit Log

Project Name: Mayfield	Client: U+I	Date: 16/12/2020
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385071.31 N397584.46
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP101	TP	34.46m AoD		1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete / brick screed concrete (MADE GROUND)
					0.80	33.66		Black angular fine to coarse brick, concrete, coal and ash GRAVEL (MADE GROUND)
					1.20	33.26		End of Borehole at 1.200m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Area identified as potential concrete pad. 2. Concrete pad measures 5400x2300x800mm; refer to sketch. 3. Upon completion area backfilled with arisings.

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385080.54 N397584.37
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP102	TP	34.50m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	34.45		Concrete (MADE GROUND)
								Mixed brick mortar (MADE GROUND)
					0.20	34.30		Brown slightly sandy fine to coarse angular brick GRAVEL with rare ash (MADE GROUND)
					1.20	33.30		End of Borehole at 1.200m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385089.57 N397566.24
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP103	TP	34.42m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	34.22		Concrete with brick mortar (MADE GROUND)
								Greyish brown slightly sandy angular to sub rounded fine to coarse GRAVEL of brick, occassional ash (MADE GROUND)
								...band of ash
					1.80	32.62		Soft brown very sandy slightly gravelly CLAY (ALLUVIUM)
					1.80	32.62		End of Borehole at 1.800m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385115.78 N397581.36
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP104	TP	34.49m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	34.44		Concrete (MADE GROUND)
					0.20	34.29		Brick mixed mortar (MADE GROUND)
								Greyish brown slightly sandy angular fine to coarse GRAVEL of brick, rare concrete and mortar, ash present (MADE GROUND)
					1.80	32.69		End of Borehole at 1.800m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385216.24 N397572.79
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP105	TP	34.95m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Loose brown slightly sandy gravelly CLAY. Gravel is fine to coarse sub angular to angular of brick and concrete. Metal scrap present hydrocarbon odour noted (MADE GROUND)
					1.20	33.75		End of Borehole at 1.200m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385238.54 N397588.80
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP107	TP	36.36m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	36.26		Concrete (MADE GROUND)
					0.30	36.06		Black silty fine to medium angular GRAVEL of vitrified clay. Ash present (MADE GROUND)
								Greyish brown slightly sandy fine to coarse angular GRAVEL of brick, concrete, mortar and rare ash (MADE GROUND)
								…southern face brick masonry
					1.60	34.76		Brown soft sandy CLAY (ALLUVIUM)
					2.10	34.26		End of Borehole at 2.100m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385259.32 N397578.79
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP108	TP	36.77m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete (MADE GROUND)
					0.20	36.57		Brown slightly sandy fine to coarse angular GRAVEL of brick and concrete, ash present (MADE GROUND)
					0.40	36.37		Greyish brown slightly sandy fine to coarse GRAVEL of brick, concreteand rare stone sett, occassional ash. High cobble content of brick (MADE GROUND)
					1.60	35.17		Soft brown slightly gravelly sandy CLAY. (MADE GROUND)
					2.40	34.37		End of Borehole at 2.400m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385143.02 N397521.31
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP109	TP	35.29m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	35.09		Concrete with 10mm rebar (MADE GROUND)
					0.40	34.89		Brown slightly sandy fine to coarse angular limestone GRAVEL (MADE GROUND)
								Brown mixed grey slightly sandy slightly clayey fine to coarse angular GRAVEL of brick (MADE GROUND)
								…footings
					3.10	32.19		End of Borehole at 3.100m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385128.79 N397524.40
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP109A	TP	34.44m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	34.29		Concrete with 10mm rebar (MADE GROUND)
					0.30	34.14		Light brown sandy fine to coarse sub angular to angular gravel of limestone (MADE GROUND)
								Dark grey clayey fine to coarse sub angular to angular GRAVEL of brick, concrete, limestone and rare ash (MADE GROUND)
								…west face sandstone brick wall north-south
					2.00	32.44		Weathered sandstone recovered as reddish brown SAND (WEATHERED CHESTER SANDSTONE FORMATION)
					2.60	31.84		End of Borehole at 2.600m

1 2 3 4 5

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385154.63 N397513.72
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP110	TP	37.32m AoD		1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	37.17		Asphalt (MADE GROUND)
					0.60	36.72		Light brown sandy angular fine to coarse limestone GRAVEL (MADE GROUND; sub-base)
					1.70	35.62		Loose brown sandy angular fine to coarse brick and motar GRAVEL (MADE GROUND)
					2.10	35.22		Black angular fine to coarse ash, birck, concrete, glass GRAVEL (MADE GROUND)
					2.20	35.12		Orangish brown gravelly fine to coarse SAND. (Weathered Sandstone)
								End of Borehole at 2.200m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location scanned prior to excavation. 2. No groundwater was encountered. 3. Upon completion, backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385180.14 N397522.39
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP111	TP	38.81m AoD	LD	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.05	38.76		Asphalt (MADE GROUND)
					0.20	38.61		Light brown slightly sandy fine to coarse sub angular to angular GRAVEL of limestone (MADE GROUND)
								Brown slightly sandy fine to coarse angular GRAVEL of limestone (MADE GROUND)
					0.40	38.41		Brown clayey fine to coarse angular GRAVEL of brick (MADE GROUND)
								…east face compacted brick
					0.70	38.11		Brown sandy slightly gravelly CLAY. Gravel is fine to coarse angular of brick, rare limestone, coal and concrete, pockets of soft clay (MADE GROUND)
								…south-east masonry wall
								…north and south face loose brick masonry wall present
					3.20	35.61		End of Borehole at 3.200m

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

Remarks

1. Location cleared for services prior to excavation. 2. Groundwater was not observed. 3. Upon completion exploratory location backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385247.37 N397584.54
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP112	TP	36.64m AoD		1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Concrete (MADE GROUND)
								…between 0.1 and 0.8mbgl: External edge of weighbridge concrete. Wall thickness is 0.55m
					0.25	36.39		Black mixed dark grey angular fine to coarse brick, concrete and ash GRAVEL. (MADE GROUND)
					0.80	35.84		Brown clayey angular york sandstone GRAVEL (MADE GROUND)
					1.00	35.64		Soft brown silty sandy CLAY (ALLUVIUM)
					1.45	35.19		End of Borehole at 1.450m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location scanned prior to excavation. 2. No groundwater was encountered. 3. Upon completion, backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385173.19 N397611.75
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP113	TP	35.29m AoD		1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Brown slightly sandy angular fine to coarse brick COBBLE / GRAVEL (MADE GROUND)
								…between 0.2 and 1.5mbgl: East pit face- concrete extending 0.47m into pit
					1.50	33.79		End of Borehole at 1.500m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location scanned prior to excavation. 2. No groundwater was encountered. 3. Upon completion, backfilled with arisings

Trial Pit Log

Project Name: Mayfield	Client: U+I	Date:
Location: Manchester	Contractor: JB SI / Earth Engineering	Co-ords: E385205.22 N397604.97
Project No. : 4153	Crew Name:	Equipment: 20t Tracked Excavator

Location Number	Location Type	Level	Logged By	Scale	Page Number
PP114	TP	35.25m AoD		1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.15	35.10		Cobble Sett (MADE GROUND)
					0.30	34.95		York Sandstone Sett (MADE GROUND)
					0.50	34.75		Black fine to coarse angular limestone, clinker and ash GRAVEL (MADE GROUND)
								End of Borehole at 0.500m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks
			None				

Remarks

1. Location scanned prior to excavation. 2. No groundwater was encountered. 3. Upon completion, backfilled with arisings



Plate No. 1: PP TP101: 5400x2300x800mm concrete pad



Plate No. 2: PP TP101

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

Commercial Wharf,
6 Commercial Street,
Manchester,
M15 4PZ
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Plate No. 3: PP TP102 – 1000 x 800 x 600mm concrete base with metal H frame removed



Plate No. 4: PP TP103 – 1200mm deep concrete base with H frame protuding

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Plate No. 5: PP TP103 1200mm wide concrete pad with H frame exposed



Plate No. 6: PP TP103

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Plate No. 7: PP TP104 1800mm deep concrete stanchion base



Plate No. 8: PP TP104 – 5500x2300x1800mm concrete base

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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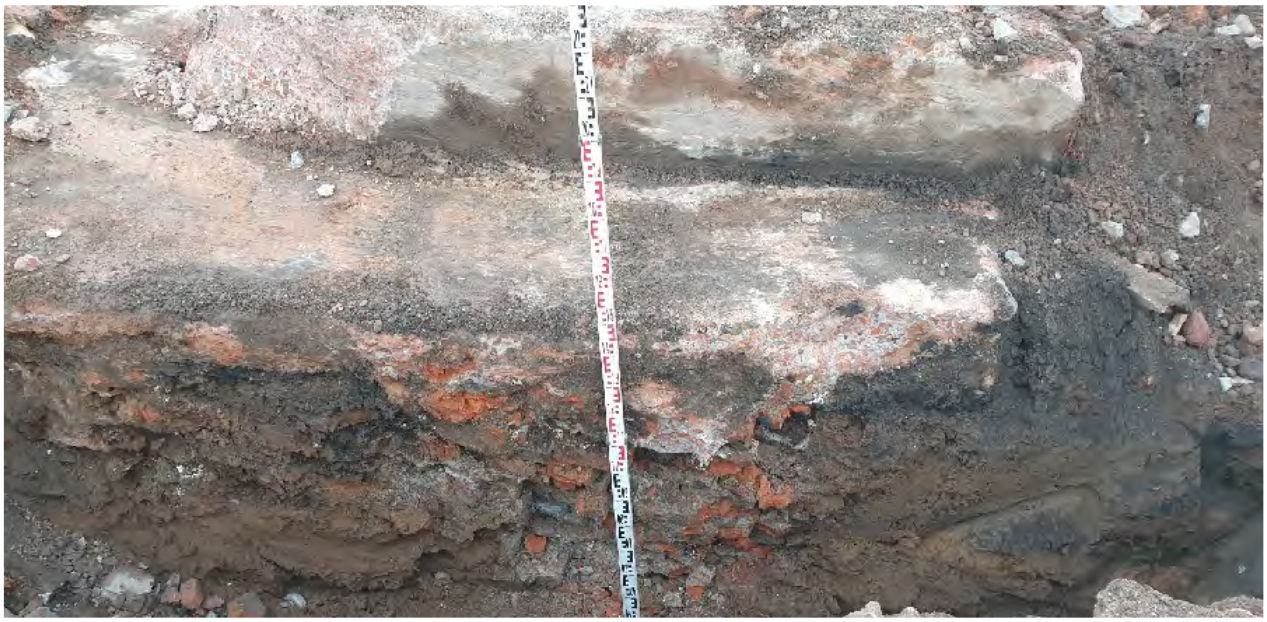


Plate No. 9: PP TP104



Plate No. 10: PP TP105 – 1200mm wide machine pit; wall 230mm thick, base 300mm thick

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Plate No. 11: PP TP105 – Concrete 250mm thick overlying 150mm gap and 800mm concrete exposed



Plate No.12: PP TP107

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Plate No. 13: PP TP108



Plate No.14: PP TP109 – foundation of retaining wall not found due to depth and pit instability

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Plate No. 15: PP TP109A – concrete footing at 1.6mbgl, extending out 1.0m and 1.0m deep



Plate No.16: PP TP109A

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Plate No. 17: PP TP109A footing founded on sandstone



Plate No.18: PP TP110 – concrete footing 1.7mbgl

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Plate No. 19: PP TP110 concrete footing extending 1.0m and 0.5m deep, founded on sandstone



Plate No.20: PP TP111

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Plate No. 21: PP TP111 masonry walls in southern pit face



Plate No.22: PP TP112 – Weighbridge - internal

Client:	Mayfield Partnership Ltd
Project Name:	Mayfield Park
Project No.:	4153

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Plate No. 23: PP TP112 – external side of weighbridge- wall 550mm thick, concrete 1.6m



Plate No.24: PP TP113 – Machine pit excavated- 1.5mbgl. Concrete extending 450mm into pit from east

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Plate No. 25: PP TP114 – Cobble Setts in MUGA

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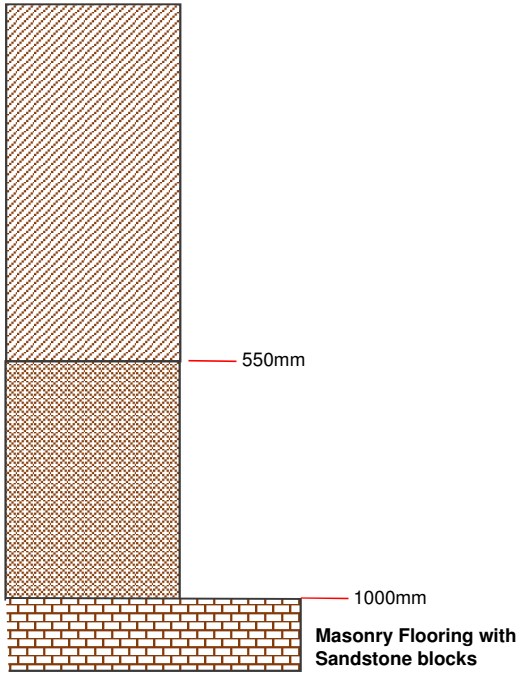
Trial Pit ref: TT101

PHOTOGRAPHIC RECORD





CROSS SECTION



GEOLOGICAL KEY

MADE GROUND - LIMESTONE Sub base

MADE GROUND – brown with dark greyish brown patches clayey gravelly SAND. Gravel sub angular to angular fine to coarse of brick and slate

Notes: Environmental Sample taken from 0.6mbgl

JOB NO	4153	SKETCH NO	TT01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	Dirt Factory Trial Trench Logs	RM

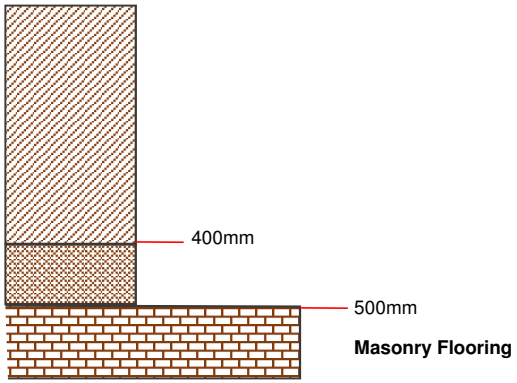
Trial Pit ref: TT102

PHOTOGRAPHIC RECORD





CROSS SECTION



GEOLOGICAL KEY

MADE GROUND - LIMESTONE Sub base

MADE GROUND – brown with dark greyish brown patches clayey gravelly SAND. Gravel sub angular to angular fine to coarse of brick and slate

Notes: Environmental Sample taken from 0.40mbgl

JOB NO	4153	SKETCH NO	TT01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	Dirt Factory Trial Trench Logs	RM

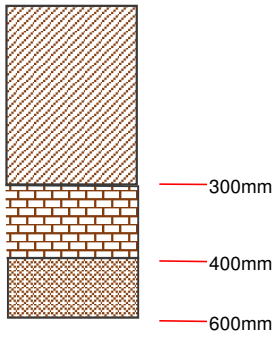
Trial Pit ref: TT103

PHOTOGRAPHIC RECORD





CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - LIMESTONE Sub base
- MADE GROUND – Masonry Wall
- MADE GROUND – brown sandy sub angular to angular fine to coarse GRAVEL of brick, slate and concrete. Occasional large metal sheet fragment

Notes: Environmental Sample taken from 0.6mbgl

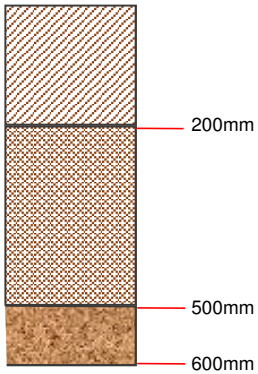
JOB NO	4153	SKETCH NO	TT01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	Dirt Factory Trial Trench Logs	RM

Trial Pit ref: TT104

PHOTOGRAPHIC RECORD



CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - LIMESTONE Sub base
- Brown silty gravelly SAND. Gravel rounded medium to coarse of mudstone.
- Reddish brown weathered sandstone.

JOB NO	4153	SKETCH NO	TT01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	Dirt Factory Trial Trench Logs	RM

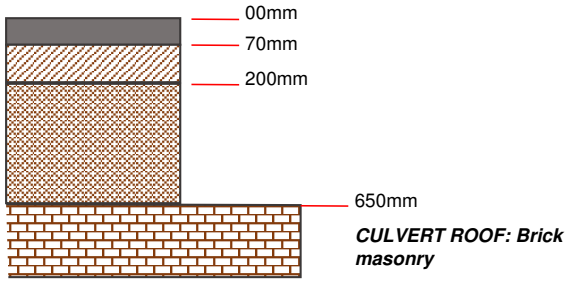
Trial Pit ref: PH302

PHOTOGRAPHIC RECORD





CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - ASPHALT
- MADE GROUND - LIMESTONE Sub base
- MADE GROUND - with loose bricks

Notes:

- Abandoned due to hitting culvert roof

JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposures	SM

Trial Pit ref: PH302A

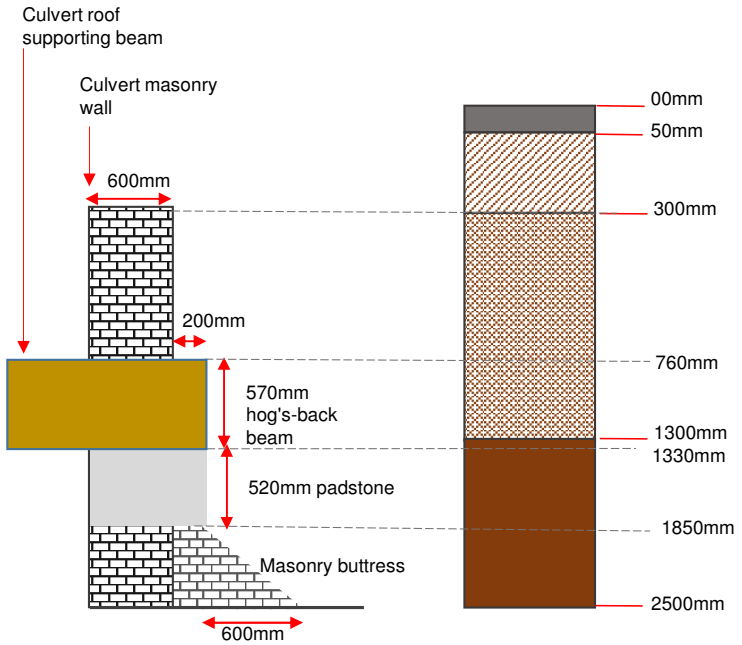
PHOTOGRAPHIC RECORD







CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - ASPHALT
- MADE GROUND - LIMESTONE Sub base
- MADE GROUND – Brown sandy GRAVEL. Fine coarse sub angular to angular of brick, concrete and slate with occasional ash
- MADE GROUND - Loose greyish brown Clayey SAND with pockets of reworked clay

Notes:

- Hog's-back beams across culvert exposed and surveyed

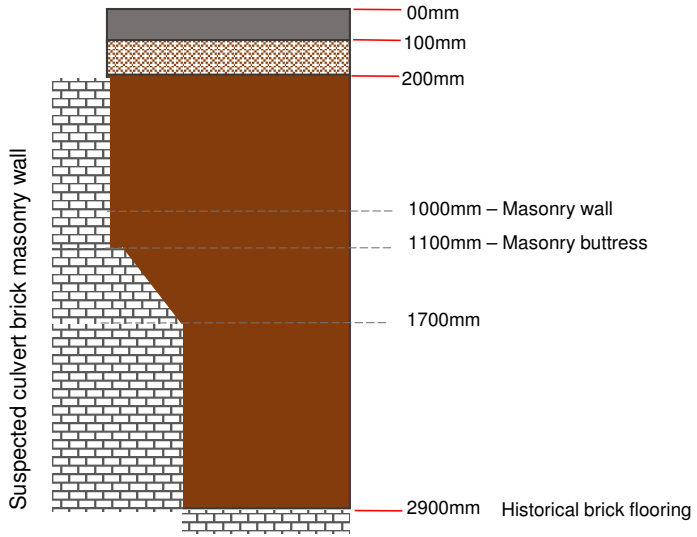
JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

Trial Pit ref: PH302B

PHOTOGRAPHIC RECORD



CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - ASPHALT
- MADE GROUND - LIMESTONE Sub base
- MADE GROUND - Sandy fine to coarse sub angular to angular GRAVEL of brick with frequent whole bricks

Notes:

- Wall found running perpendicular, perhaps as support to river wall or remains of pre-existing building/basement

JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

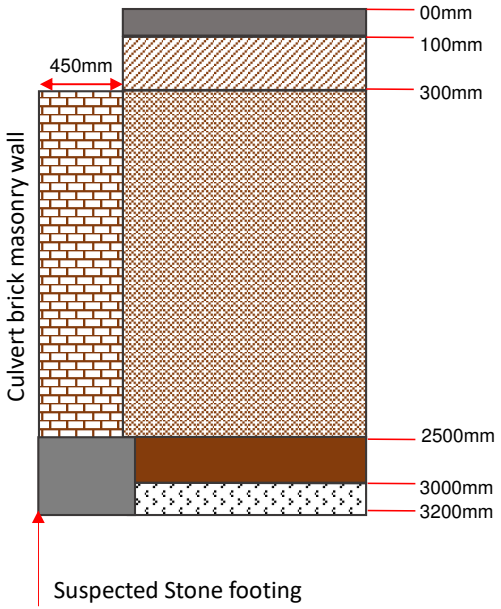
Trial Pit ref: PH303

PHOTOGRAPHIC RECORD





CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - ASPHALT
- MADE GROUND - Sub base
- MADE GROUND -Loose brown clayey angular fine to coarse GRAVEL of brick, white brick, mortar and concrete
- Brown slightly silty fine to coarse subangular to rounded SAND & GRAVEL
- Black highly organic sandy SILT

JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

Trial Pit ref: PH304

PHOTOGRAPHIC RECORD

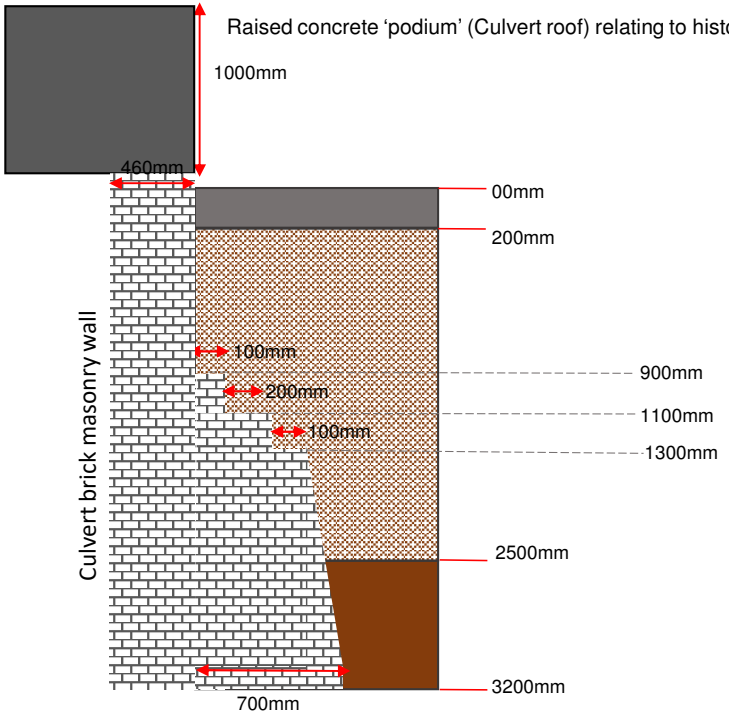






Raised Concrete 'podium', Culvert entrance. Formed part of historical building

CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - CONCRETE
- MADE GROUND - Gravelly SAND. Gravel is fine to coarse subangular to angular of brick
- Brown slightly gravelly slightly clayey SAND. Gravel is fine to medium subrounded of sandstone

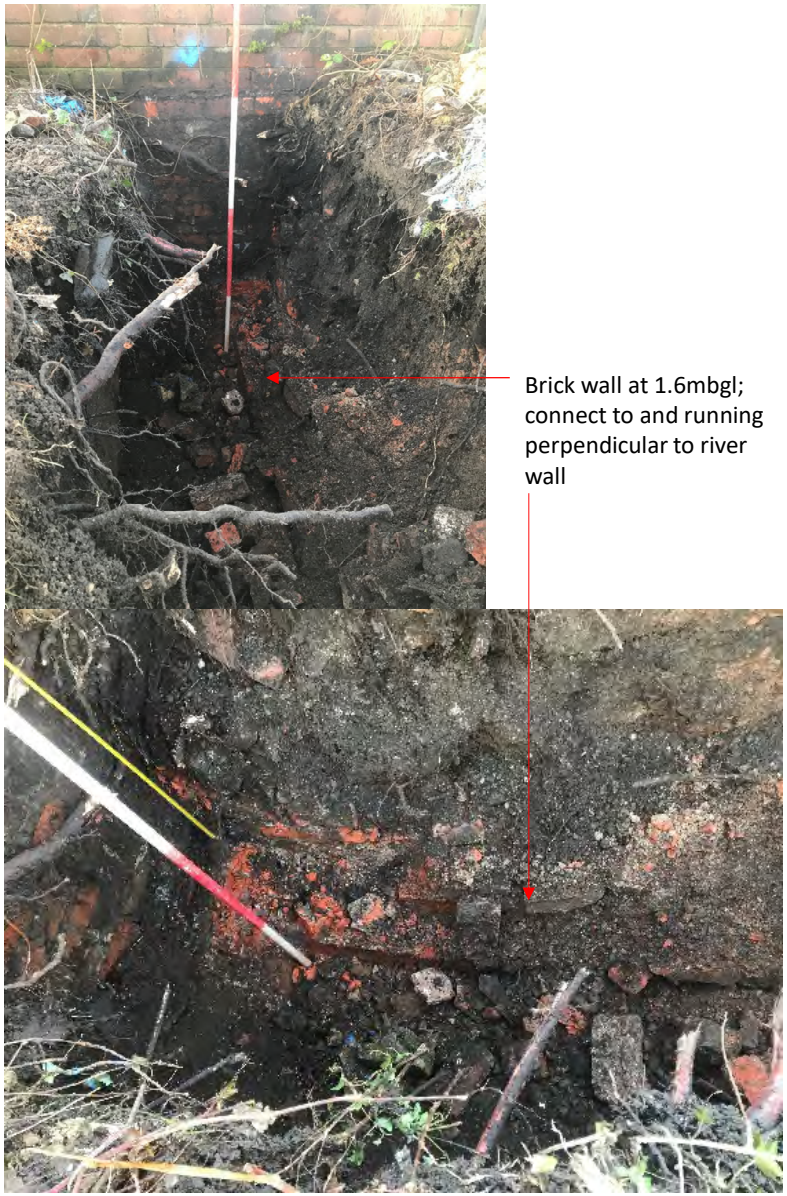
Notes:

- **PH304 log shows dense gravel at 5.0mbgl, with overlying soils very loose alluvium, suggesting the founding level of the wall to be on the dense gravel. Adjacent borehole also correlates with a dense strata at 5.0mbgl**

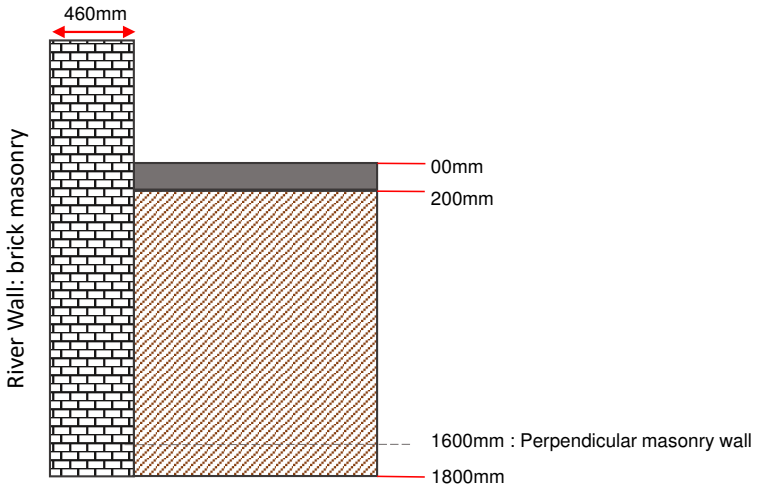
JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

Trial Pit ref: PH306

PHOTOGRAPHIC RECORD



CROSS SECTION



GEOLOGICAL KEY

- Topsoil/made ground
- MADE GROUND - Slightly clayey sandy fine coarse sub angular to angular GRAVEL of brick and asbestos tile

Notes:

- **PH306 Log indicates Made Ground to 3.3mbgl, underlying alluvium is loose to medium dense with extent not proven**
- Pit abandoned due to suspected asbestos at 1.8m depth
- Brick wall starting at 1.6m depth running perpendicular to river wall

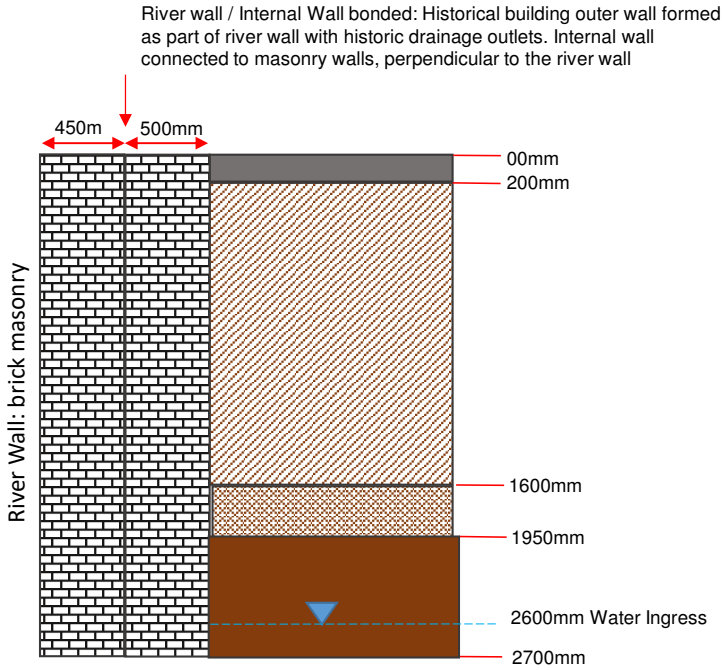
JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

Trial Pit ref: PH307

PHOTOGRAPHIC RECORD



CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - CONCRETE
- MADE GROUND – Sandy gravelly CLAY
- Slightly gravelly Clay
- Clayey gravelly SAND

Notes:

- **PH307 borehole log indicates very dense gravels at 3.8mbgl- suspected founding strata**
- Water strike recorded at 2.6m depth, unable to progress pit
- Wall found perpendicular to river wall, connected to internal brickwork / river wall

JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

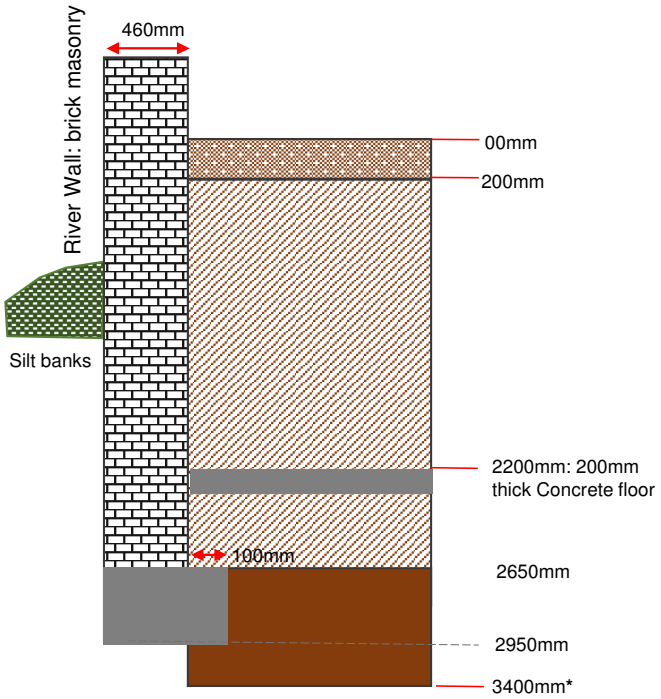
Trial Pit ref: PH308

PHOTOGRAPHIC RECORD





CROSS SECTION



GEOLOGICAL KEY

- Topsoil
- MADE GROUND - Slightly clayey gravelly SAND. Gravel fine to coarse sub angular to angular fine to coarse brick
- Silty slightly clayey silty fine SAND (Alluvium)

Notes:

- ***PH308 log indicates natural soils to be very loose from 3.0mbgl, adjacent WS215 indicates very dense gravel at 4.7mbgl, with bedrock underlying at 5.0mbgl**
- 200mm thick concrete slab found at 2.2m depth. Potentially linked to river wall/historical structure
- Water seepage at approx. 3.3m depth

JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

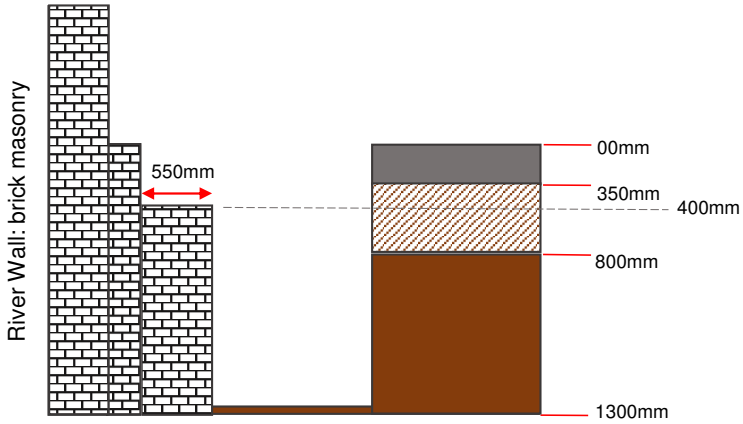
Trial Pit ref: PH309

PHOTOGRAPHIC RECORD





CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - REINFORCED CONCRETE SLAB
- MADE GROUND - LIMESTONE FILL
- MADE GROUND - DEMO FILL + whole bricks

Notes:

- Abandoned: Unable to extend pit due proximity to HV cable
- A total of three brick walls are interconnected at the bend of the river channel, suspected to interlink with historical structures

JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

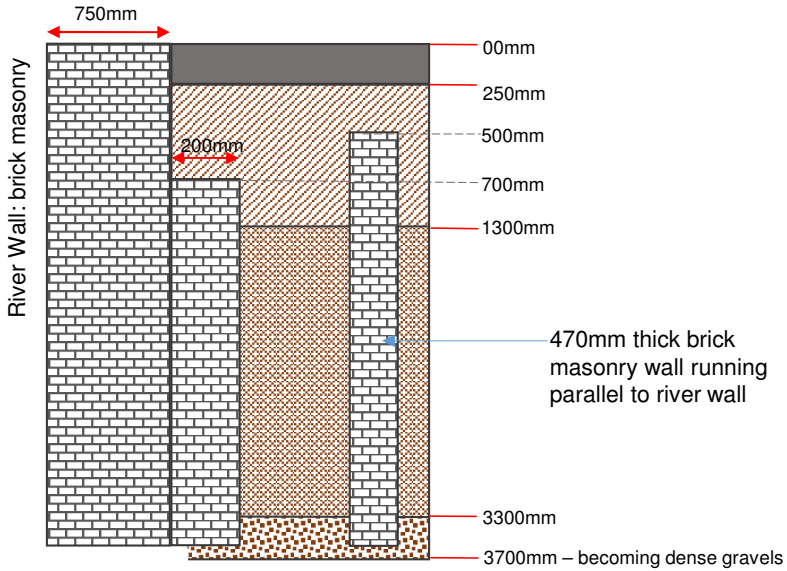
Trial Pit ref: PH310

PHOTOGRAPHIC RECORD





CROSS SECTION



GEOLOGICAL KEY

- CONCRETE
- MADE GROUND Silty gravelly SAND. Gravel/ fine to coarse sub granular to angular of Brick
- Brown slightly clayey silty sand
- Dense brown SAND & GRAVEL subrounded to rounded fine-coarse of mudstone and mudstone cobbles

Notes:

- **PH310 Log indicates underlying alluvium is loose, with dense gravel at 3.7mbgl**
- Parallel running historical masonry wall does not appear connected to river wall structure

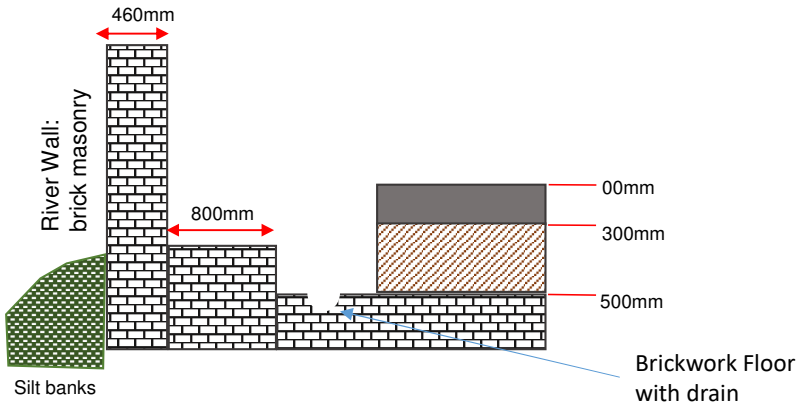
JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

Trial Pit ref: PH311

PHOTOGRAPHIC RECORD



CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - CONCRETE
- MADE GROUND - LIMESTONE

Notes:

- Abandoned: Unable to extend pit due to access constraints / proximity of building & overhead canopy

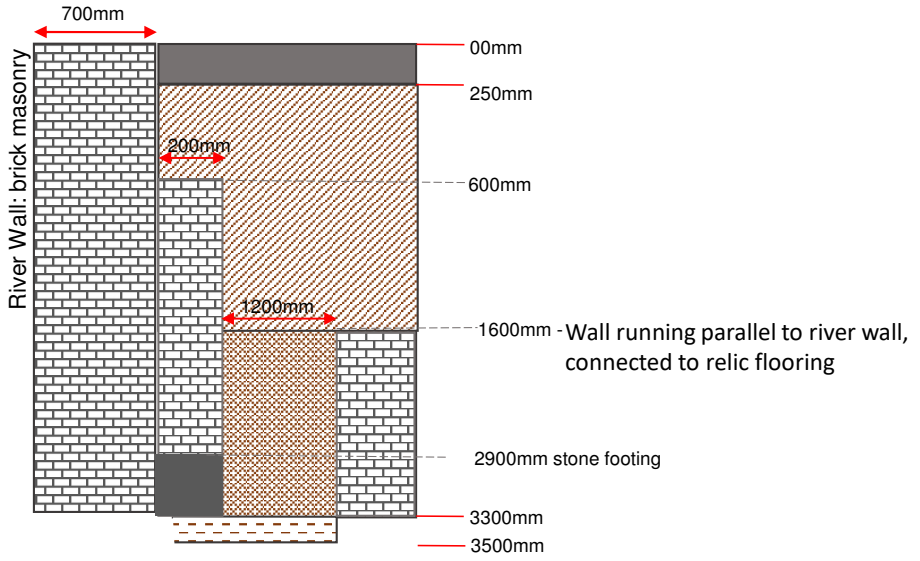
JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

Trial Pit ref: PH312

PHOTOGRAPHIC RECORD



CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND: Brick Masonry
- MADE GROUND: Concrete
- MADE GROUND Silty gravelly SAND. Gravel/ fine to coarse sub granular to angular of Brick
- Brown slightly clayey silty sand (ALLUVIUM)
- Weathered Sandstone / Orangish brown sand and gravel of sandstone

JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

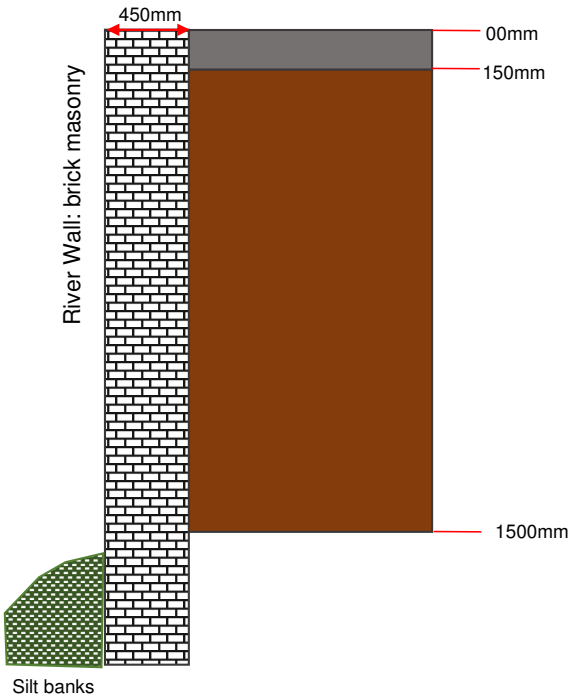
Trial Pit ref: PH314

PHOTOGRAPHIC RECORD





CROSS SECTION



GEOLOGICAL KEY

MADE GROUND - CONCRETE

MADE GROUND - Black gravely SAND Ashy gravel fine-coarse subangular to angular of brick and sandstone and concrete

Notes:

- Pit terminated at 1.5m, unstable sides and concern for maintaining wall integrity

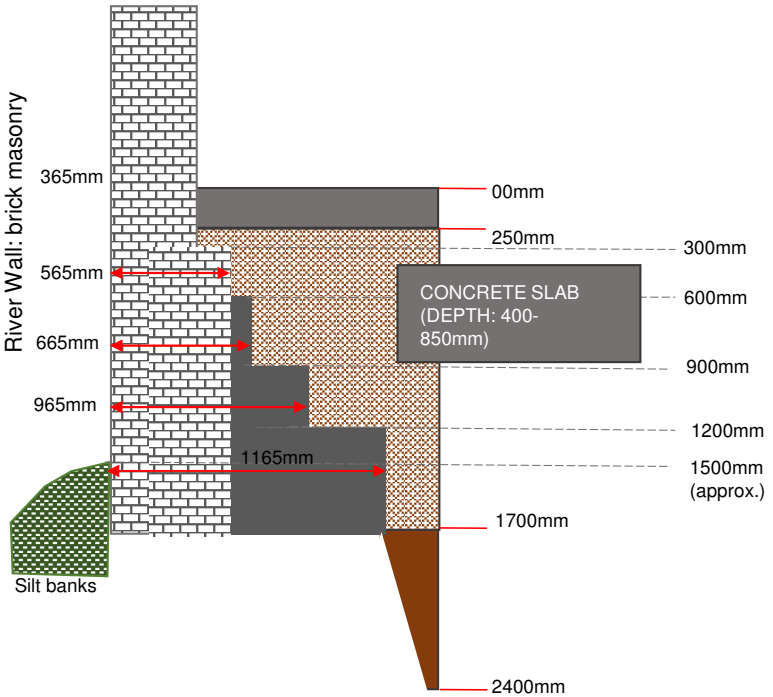
JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

Trial Pit ref: PH315

PHOTOGRAPHIC RECORD



CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND - CONCRETE
- MADE GROUND - Dark Brown gravelly CLAY gravel is fine coarse sub angular to angular of brick
- Brown very sandy clay

Notes:

- Pit could not be excavated further due to brick structure, unable to extend the pit

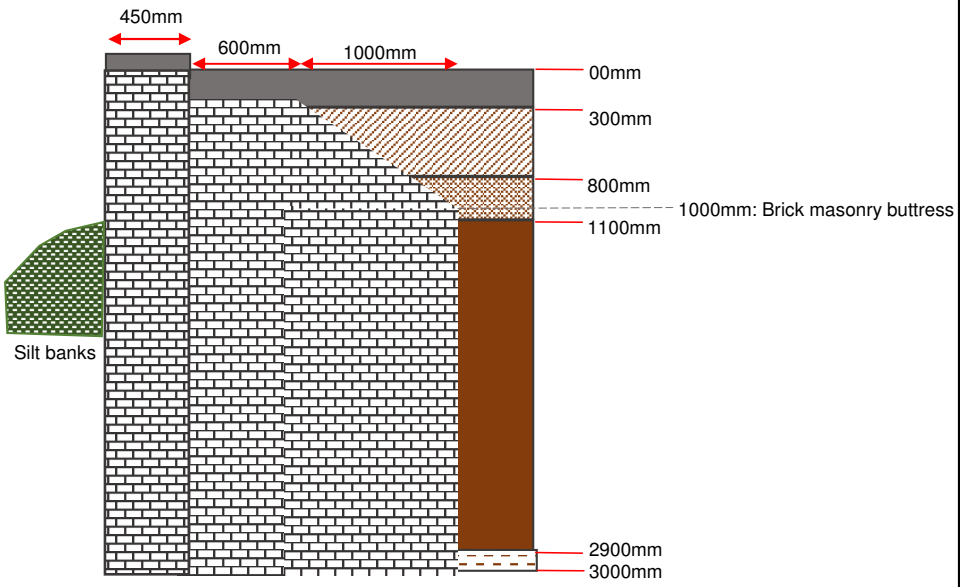
JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

Trial Pit ref: PH316

PHOTOGRAPHIC RECORD



CROSS SECTION



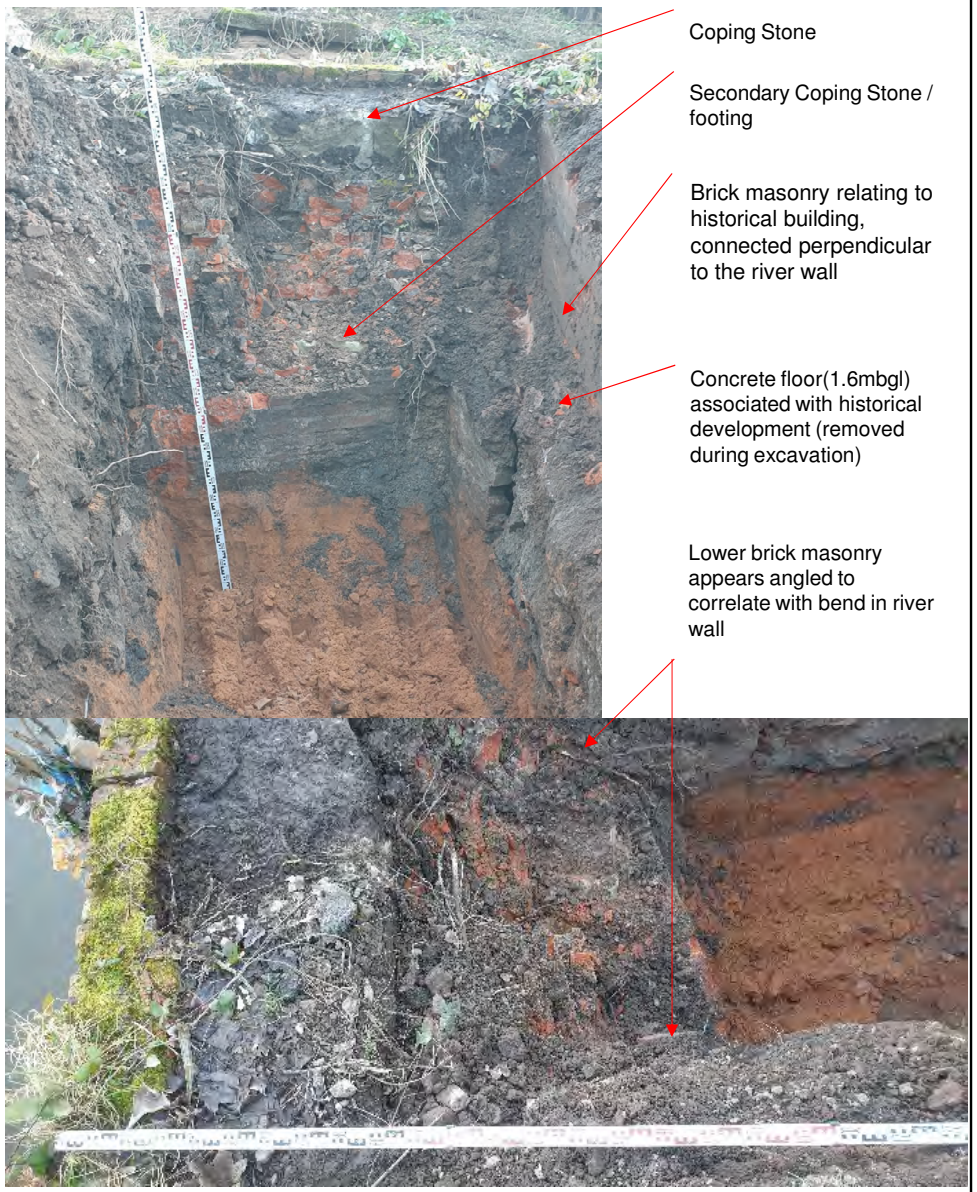
GEOLOGICAL KEY

- MADE GROUND - CONCRETE
- MADE GROUND - BRICK SETS
- MADE GROUND - Sandy gravely clay. Fine-coarse subangular to angular of brick
- Silty sandy brown clay
- Weathered sandstone recovered as sandstone boulders

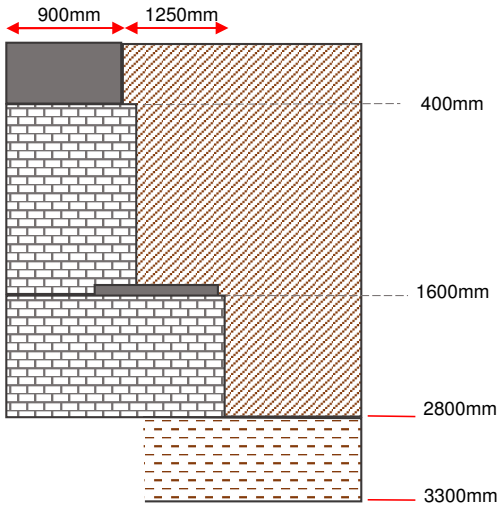
JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

Trial Pit ref: PH319

PHOTOGRAPHIC RECORD



CROSS SECTION



GEOLOGICAL KEY

- MADE GROUND – COPING STONE
- MADE GROUND – Greyish brown clayey angular fine to coarse brick, concrete GRAVEL with high cobble content of brick and rare ash
- Weathered sandstone recovered as sandstone gravel

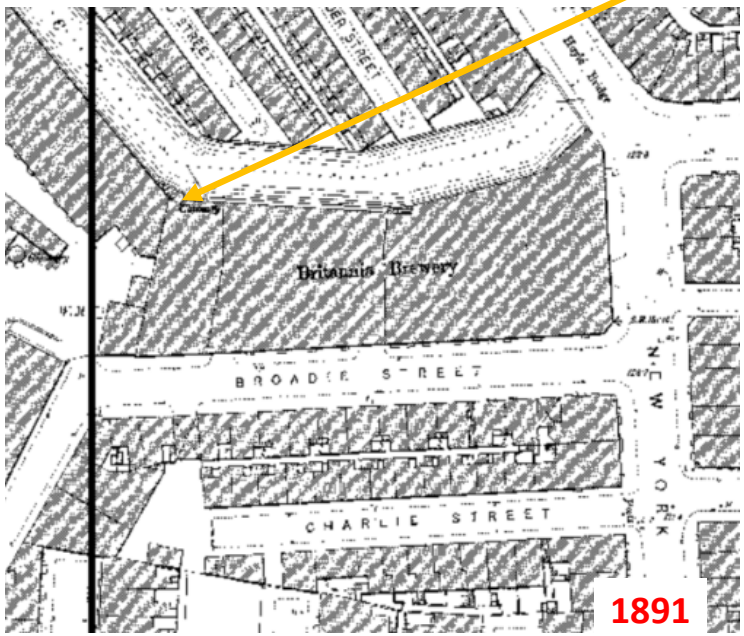
JOB NO	4153	SKETCH NO	FE01	DRAWN BY
PROJECT TITLE	Mayfield Park	SKETCH TITLE	River Wall Foundation Exposure Trial Pit Logs	SM

Mayfield Park : Britannia Brewery, Broadie Street



1856

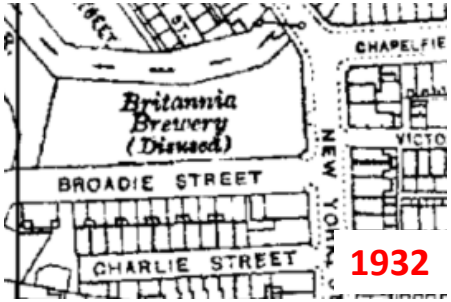
Chimney Feature



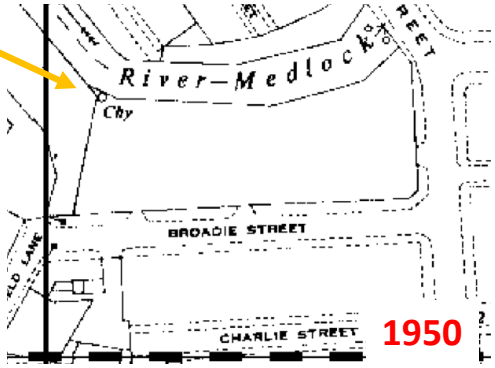
1891



c.1890



1932



1950

RoC CONSULTING

Mayfield Park : Britannia Brewery, Broadie Street



Mayfield Park : Britannia Brewery, Broadie Street



Photo into basement looking north

Brewery Basement Feature Initial Observations

1) Historical map records indicate the Britannia Brewery occupied the site circa 1850, expanding to cover the entire area of land to the north of Broadie Street in the period leading up to 1890.
2) Anecdotal information (painting of brewery) indicate it was a significant sized structure with a chimney also present to the north western extent.
3) The brewery closes at some point prior to 1930 with buildings no longer shown. A new smaller structure is constructed during the post war period to the central and western portion of the site, remaining until c.2003.
4) Trial hole "TP306" encountered the basement beneath an existing concrete slab. The slab (circa 100mm thick) appears to have been cast onto pre-stressed concrete roof joists (or similar) which were damaged and fell into the basement by the excavator bucket during trial pitting.
5) The basement extended southward from the TP306 and also appeared to abut the River Medlock. Based on materials noted within the basement it is likely the structure was in use during the most recent site operations (recent building material, insulation pipe, polythene sheeting are all noted within the basement which all post date 1930s).
6) Spatial distribution of basement (based on approx. observations from surface) does not match post- brewery site layout. It is likely the basement may date from the brewery era of development across the site
7) Similarly the large river wall noted to the north is likely to date from the brewery era, with the basement likely to extent much of the full depth of the wall.

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Mayfield Park : Britannia Brewery, Broadie Street

Next Steps

1) The hole into basement has been temporarily covered with heras fencing and will require a more secure solution.
2) The spatial extent of the basement will need to be properly delineated, however existing soil stockpiles impede access to the site. This material will need to be removed from the site to allow full access.
3) In removing this material the top of the river wall will be exposed and temporary edge protection will need to be installed.
4) It may be possible to relocate the spoil into the existing material stockpile yard to the south of Broadie Street, rather than dispose of from site.
5) Based on observations of basement construction it would not be prudent to allow heavy plant or machinery into the area until the spatial extent is properly delineated.
6) In view of item 5 it would be prudent to discuss possible options with contractors including possibly using a long reach machine working from an area we know to be away from the basement structure.
7) Once cleared the area could be delineated by a combination of ground penetrating radar and dynamic probe holes / very small diameter concrete coring.
8) The northern wall of the basement appears to be bounded by the Medlock. As such due care and consideration will be needed to ensure the outer wall does not fall into the Medlock



Previous sink hole (may also relate to basement feature?)

TP306 Location (Approx.)

Vegetated soil stockpile mounds (Approx.)

River Walls (Approx.)

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APPENDIX C – CHEMICAL TESTING RESULTS

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

SUPPLEMENT TO TEST REPORT 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542/1

Amendments: Request for combined report

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542
Issue Number: 2 **Date:** 15 December, 2020

Client:
ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager:	Liam Daley
Project Name:	Mayfield Plot L
Project Ref:	4153
Order No:	1572
Date Samples Received:	13/11/20
Date Instructions Received:	16/11/20
Date Analysis Completed:	15/12/20

Prepared by:

Danielle Brierley
Client Manager

Approved by:

Sophie France
Client Service Manager

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07421/1	20/07421/2	20/07421/3	20/07421/4	20/07421/5	20/07421/6	20/07454/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS325	WS324	WS324	WS323	WS310	WS309	WS314			
Depth to Top	0.40	0.20	0.60	0.30	0.80	0.60	1.00			
Depth To Bottom	0.50	0.30	0.70	0.40	1.00	0.70	1.20			
Date Sampled	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	04-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6AE	6ABE	6ABE	6ABE	6ABE			
% Stones >10mm$_A$	2.3	<0.1	17.2	24.6	8.9	10.8	3.6	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	7.34	7.91	8.03	7.94	7.82	8.35	8.07	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	1240	300	88	187	318	64	1470	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	1	<1	2	2	3	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0486	0.1159	0.1088	0.1059	0.0773	0.0618	0.0221	N/A	0.0003	A-T-032 FOC
Antimony$_D$	11	7	8	12	<5	<5	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	45	17	26	26	79	470	103	mg/kg	1	A-T-024s
Barium$_D$	354	270	453	595	161	163	146	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	2.1	1.5	2.0	2.1	3.9	2.7	3.2	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	3.6	<1.0	<1.0	<1.0	2.5	1.2	1.2	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	2.4	2.4	2.6	4.0	1.9	1.6	1.3	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	192	163	229	446	177	146	83	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	33	26	32	34	26	36	21	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<2	mg/kg	1	A-T-040s
Chromium (trivalent)	33	26	32	34	26	36	21	mg/kg	1	Calc
Lead$_D$$^{M\#}$	473	279	532	801	657	576	394	mg/kg	1	A-T-024s
Mercury$_D$	0.90	0.32	0.79	0.74	0.86	2.18	2.76	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	5	15	9	8	12	5	8	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	47	63	75	47	62	42	48	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	3	2	2	2	3	2	3	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	46	34	49	46	58	37	42	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	488	304	449	742	370	190	242	mg/kg	5	A-T-024s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07421/1	20/07421/2	20/07421/3	20/07421/4	20/07421/5	20/07421/6	20/07454/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS325	WS324	WS324	WS323	WS310	WS309	WS314			
Depth to Top	0.40	0.20	0.60	0.30	0.80	0.60	1.00			
Depth To Bottom	0.50	0.30	0.70	0.40	1.00	0.70	1.20			
Date Sampled	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	04-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6AE	6ABE	6ABE	6ABE	6ABE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	Chrysotile	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Bitumen Product	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	0.030	-	-	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07421/1	20/07421/2	20/07421/3	20/07421/4	20/07421/5	20/07421/6	20/07454/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS325	WS324	WS324	WS323	WS310	WS309	WS314			
Depth to Top	0.40	0.20	0.60	0.30	0.80	0.60	1.00			
Depth To Bottom	0.50	0.30	0.70	0.40	1.00	0.70	1.20			
Date Sampled	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	04-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6AE	6ABE	6ABE	6ABE	6ABE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.36	1.30	0.28	0.39	0.23	0.03	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.36	0.20	0.13	0.04	1.10	0.02	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	2.48	2.45	0.77	0.87	0.99	0.11	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	8.83	5.64	2.36	3.28	6.95	0.54	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	5.04	3.36	1.79	2.08	6.85	0.36	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	7.48	3.81	2.24	2.56	7.10	0.46	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	3.94	2.64	2.45	1.34	3.94	0.20	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	2.12	1.16	0.67	0.81	2.43	0.16	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	7.35	4.82	2.15	2.93	6.44	0.61	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.96	0.63	0.39	0.28	0.97	0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	12.7	8.86	5.32	7.04	11.8	0.96	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.36	1.04	0.24	0.46	0.27	0.02	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	4.34	3.16	2.53	1.66	5.30	0.22	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.14	0.27	0.21	0.28	0.12	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	5.95	8.36	2.73	3.89	4.19	0.54	0.05	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	11.5	9.58	4.83	6.52	12	0.83	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	73.9	57.3	29.1	34.4	70.7	5.10	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07421/1	20/07421/2	20/07421/3	20/07421/4	20/07421/5	20/07421/6	20/07454/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS325	WS324	WS324	WS323	WS310	WS309	WS314			
Depth to Top	0.40	0.20	0.60	0.30	0.80	0.60	1.00			
Depth To Bottom	0.50	0.30	0.70	0.40	1.00	0.70	1.20			
Date Sampled	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	01-Sep-20	04-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6AE	6ABE	6ABE	6ABE	6ABE			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	-	<0.01	<0.01	-	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	-	<0.01	<0.01	-	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	-	<1	<5	-	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	-	3	27	-	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	-	16	193	-	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	-	40	298	-	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	-	226	873	-	-	-	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	-	42	430	-	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	-	327	1820	-	-	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	-	<0.01	<0.01	-	-	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	-	<0.01	<0.01	-	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	-	2	5	-	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	-	4	22	-	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	-	40	148	-	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	-	250	237	-	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	-	428	353	-	-	-	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	-	36	237	-	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	-	760	1010	-	-	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	-	1080	2830	-	-	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	-	<0.01	<0.01	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	-	<0.01	<0.01	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	-	<0.01	<0.01	-	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	-	<0.01	<0.01	-	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	-	<0.01	<0.01	-	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	-	<0.01	<0.01	-	-	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
% Stones >10mm$_A$	19.3	49.9	<0.1	25.0	16.8	6.0	9.7	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.61	8.54	8.62	8.17	7.69	7.73	8.57	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	118	62	40	50	126	368	-	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	1	<1	<1	<1	<1	-	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.1208	0.0433	0.0339	0.0421	0.0080	0.1437	-	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	<5	<5	<5	<5	-	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	21	51	5	19	7	45	-	mg/kg	1	A-T-024s
Barium$_D$	150	106	387	107	47	114	-	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	0.8	0.6	0.6	2.6	0.6	4.1	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	<1.0	<1.0	<1.0	3.5	-	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	1.0	29.3	0.8	0.5	<0.5	0.7	-	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	89	69	17	86	26	118	-	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	16	13	11	12	12	15	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-040s
Chromium (trivalent)	16	13	11	12	12	15	-	mg/kg	1	Calc
Lead$_D$$^{M\#}$	412	420	149	199	22	237	-	mg/kg	1	A-T-024s
Mercury$_D$	0.97	0.54	4.03	<0.17	<0.17	0.58	-	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	2	2	1	2	<1	5	-	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	18	15	10	34	12	46	-	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	1	<1	2	2	4	-	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	27	16	16	26	15	31	-	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	216	4700	92	41	36	47	-	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	-	-	*	-	-	-	-			A-T-001
pH (leachable)$_A$$^{\#}$	-	-	8.02	-	-	-	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	-	-	53.70	-	-	-	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	-	-	31.7	-	-	-	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	-	-	12	-	-	-	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	-	-	11	-	-	-	-	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	-	-	44	-	-	-	-	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
Barium (leachable)$_A^{\#}$	-	-	185	-	-	-	-	µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	-	-	<1	-	-	-	-	µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	-	-	<1	-	-	-	-	µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	-	-	5	-	-	-	-	µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	-	-	<1	-	-	-	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	-	-	<0.05	-	-	-	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	-	-	<0.05	-	-	-	-	mg/l	0.05	Calc
Mercury (leachable)$_A^{\#}$	-	-	<0.1	-	-	-	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	-	-	25	-	-	-	-	µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	-	-	5	-	-	-	-	µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	-	-	<1	-	-	-	-	µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	-	-	4	-	-	-	-	µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	-	-	11	-	-	-	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
Styrene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	Amosite & Chrysotile	NAD	NAD	NAD	NAD			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	Loose Fibres	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	-	<0.001	-	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	167	7.85	0.19	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<1.34	<0.12	<0.06	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	174	10.6	0.41	<0.02	<0.02	<0.02	-	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	156	12.7	0.90	<0.04	<0.04	0.09	-	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	96.8	8.03	0.66	<0.04	<0.04	0.10	-	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	115	7.73	0.62	<0.05	<0.05	0.13	-	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	38.6	3.13	0.29	<0.05	<0.05	<0.05	-	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	48	2.74	0.25	<0.07	<0.07	<0.07	-	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	214	12.6	0.87	<0.06	<0.06	0.12	-	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	11.6	0.90	0.10	<0.04	<0.04	<0.04	-	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	376	31.4	1.40	<0.08	<0.08	<0.08	-	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	149	7.09	0.59	<0.01	<0.01	<0.01	-	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	47.4	4.07	0.37	<0.03	<0.03	0.06	-	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	158	9.32	0.11	<0.03	<0.03	0.07	-	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	787	41.3	0.73	0.11	<0.03	0.15	-	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	344	29.6	2.33	<0.07	<0.07	0.09	-	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	2880	189	9.82	0.11	<0.08	0.81	-	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	-	-	0.07	-	-	-	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	-	-	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	-	-	0.09	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	-	-	0.20	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	-	-	0.14	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	-	-	0.21	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	-	-	0.07	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	-	-	0.07	-	-	-	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	-	-	0.29	-	-	-	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	-	-	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	-	-	0.40	-	-	-	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	-	-	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	-	-	0.07	-	-	-	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	-	-	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	-	-	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	-	-	0.95	-	-	-	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	-	-	2.56	-	-	-	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	-	-	0.004	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	-	-	0.012	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	-	-	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	-	-	0.016	-	-	-	-	µg/l	0.002	A-T-004w

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
VOC										
Dichlorodifluoromethane$_{A}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Chloromethane$_{A}$	<10	-	-	-	-	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	<5	-	-	-	-	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	<5	-	-	-	-	-	-	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	<2	-	-	-	-	-	-	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	<10	-	-	-	-	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
Tetrachloroethene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	<3	-	-	-	-	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Chlorobenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	6	-	-	-	-	-	-	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	6	-	-	-	-	-	-	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	5	-	-	-	-	-	-	µg/kg	1	A-T-006s
Styrene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromoform$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	3	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	9	-	-	-	-	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	<2	-	-	-	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	17	-	-	-	-	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	4	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	<2	-	-	-	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	<3	-	-	-	-	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	<1	-	-	-	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	<3	-	-	-	-	-	-	µg/kg	3	A-T-006s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	-	-	55	-	-	-	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	-	-	852	-	-	-	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	-	-	1300	-	-	-	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	-	-	367	-	-	-	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	-	-	2574	-	-	-	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	-	-	22	-	-	-	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	-	-	209	-	-	-	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	-	-	653	-	-	-	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	-	-	1094	-	-	-	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	-	-	3668	-	-	-	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	-	-	210	-	-	-	-	µg/l	20	A-T-055w

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Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	0.02	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<20	<5	24	-	-	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<20	<5	184	-	-	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	42	<5	1460	-	-	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	63	8	2410	-	-	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	102	147	921	-	-	-	-	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	54	12	<10	-	-	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	262	172	5000	-	-	-	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	45	<5	17	-	-	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	550	43	76	-	-	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	1940	177	922	-	-	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	3780	380	1310	-	-	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	4280	503	353	-	-	-	-	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	113	19	<10	-	-	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	10700	1130	2680	-	-	-	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	11000	1300	7680	-	-	-	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	0.03	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	0.03	0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	0.03	0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
SVOC										
4-Bromophenyl phenyl ether$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Hexachlorobenzene$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Dibenzofuran$_A$	79900	-	-	-	-	-	-	µg/kg	100	A-T-052s
Carbazole$_A$	74400	-	-	-	-	-	-	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	<25000	-	-	-	-	-	-	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	9020	-	-	-	-	-	-	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Methylphenol$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	51700	-	-	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Phenol$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	<25000	-	-	-	-	-	-	µg/kg	500	A-T-052s

Lab Sample ID	20/07454/2	20/07454/3	20/07454/4	20/07472/1	20/07472/2	20/07472/3	20/07472/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS304	WS304	WS404	WS324	WS323	WS310	WS309			
Depth to Top	1.20	2.20	0.40	1.60	2.20	1.40	1.20			
Depth To Bottom	1.40	2.50	0.50	1.80	2.30	1.50	1.40			
Date Sampled	04-Sep-20	04-Sep-20	04-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20	03-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6ABE	6AB	5AE	6ABE	6ABE			
n-Dibutylphthalate$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Nitrobenzene$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Isophorone$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Hexachloroethane$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	<5000	-	-	-	-	-	-	µg/kg	100	A-T-052s
Perylene$_A$	42900	-	-	-	-	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
% Stones >10mm$_A$	17.9	5.7	15.6	5.3	12.2	12.8	14.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	7.99	8.34	8.04	8.28	8.25	8.39	8.24	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	401	98	610	82	148	167	214	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	1	<1	12	87100	27	<20	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	5.6	5.1	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0273	0.0251	0.0176	0.0743	0.0649	0.0169	0.0380	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	8	<5	10	1490	13	8	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	331	147	50	80	358	19	1740	mg/kg	1	A-T-024s
Barium$_D$	123	108	93	389	2640	148	126	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	1.4	2.8	0.9	2.2	5.7	0.6	1.6	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.5	<1.0	1.3	1.0	1.2	<1.0	1.1	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.8	0.8	0.7	2.0	34.2	0.7	0.8	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	88	115	35	188	428	44	220	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	30	69	16	81	1020	23	40	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	30	69	16	81	1020	23	40	mg/kg	1	Calc
Lead$_D$$^{M\#}$	226	378	179	1800	12800	123	961	mg/kg	1	A-T-024s
Mercury$_D$	0.70	1.01	0.49	3.54	983	2.35	2.10	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	<1	9	3	3	8	<1	<1	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	23	33	19	33	14	16	26	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	4	3	<1	4	2	<1	3	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	25	32	19	47	18	15	26	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	116	100	70	429	68700	168	106	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	-	-	-	*	-	-	*			A-T-001
pH (leachable)$_A$$^{\#}$	-	-	-	8.14	-	-	8.02	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	-	-	-	98.78	-	-	128.28	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	-	-	-	5.3	-	-	2.1	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	-	-	-	3	-	-	6	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	-	-	-	9	-	-	2930	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	-	-	-	49	-	-	107	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
Barium (leachable)$_A^{\#}$	-	-	-	28	-	-	15	µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	-	-	-	<1	-	-	<1	µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	-	-	-	<1	-	-	<1	µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	-	-	-	11	-	-	6	µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	-	-	-	22	-	-	<1	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	-	-	-	<0.05	-	-	<0.05	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	-	-	-	<0.05	-	-	<0.05	mg/l	0.05	Calc
Mercury (leachable)$_A^{\#}$	-	-	-	<0.1	-	-	<0.1	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	-	-	-	8	-	-	7	µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	-	-	-	<1	-	-	<1	µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	-	-	-	2	-	-	3	µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	-	-	-	<1	-	-	8	µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	-	-	-	7	-	-	2	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-006w
Styrene (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.11	0.02	0.02	0.02	<0.01	0.11	0.02	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	0.24	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.12	0.05	<0.02	0.18	<0.02	0.14	0.04	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.34	0.24	0.05	2.62	<0.04	0.36	0.16	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.32	0.25	0.05	2.64	<0.04	0.35	0.16	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.39	0.30	0.07	2.93	<0.05	0.37	0.17	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.19	0.14	<0.05	1.00	<0.05	0.18	0.10	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.14	0.11	<0.07	1.04	<0.07	0.14	0.08	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.42	0.33	0.07	2.85	<0.06	0.46	0.23	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	0.26	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.71	0.45	0.09	5.03	<0.08	1.04	0.36	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.07	0.01	<0.01	0.02	<0.01	0.05	0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.20	0.16	0.04	1.24	<0.03	0.19	0.10	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.10	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.68	0.28	0.12	0.61	<0.03	0.78	0.24	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.71	0.48	0.10	5.38	<0.07	0.98	0.35	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	4.50	2.82	0.61	26.1	<0.08	5.15	2.02	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	-	-	-	<0.02	-	-	0.05	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	-	-	-	0.03	-	-	<0.02	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	-	-	-	<0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	-	-	-	<0.02	-	-	0.07	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	-	-	-	0.03	-	-	<0.02	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	-	-	-	0.02	-	-	<0.02	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	-	-	-	0.08	-	-	0.12	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	-	-	-	<0.002	-	-	<0.002	µg/l	0.002	A-T-004w

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
VOC										
Dichlorodifluoromethane$_{A}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	-	-	<10	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	-	-	<5	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	-	-	*<5*	-	-	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	-	-	<2	-	-	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	-	-	<10	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	-	-	*<1*	-	-	µg/kg	1	A-T-006s

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
Tetrachloroethene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	-	-	-	-	<3	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Chlorobenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Styrene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromoform$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	-	-	-	-	<2	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	-	-	-	-	<2	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	-	-	-	-	<3	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	-	-	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	-	-	-	-	<3	-	-	µg/kg	3	A-T-006s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	-	-	-	<10	-	-	<10	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	-	-	-	<10	-	-	<10	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	-	-	-	<10	-	-	<10	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	-	-	-	<10	-	-	38	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	-	-	-	<20	-	-	61	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	-	-	-	<10	-	-	<10	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	-	-	-	<20	-	-	99	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	-	-	-	44	-	-	10	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	-	-	-	<10	-	-	<10	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	-	-	-	<10	-	-	<10	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	-	-	-	<10	-	-	14	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	-	-	-	<10	-	-	<10	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	-	-	-	44	-	-	24	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	-	-	-	44	-	-	123	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-022w
MTBE (leachable)$_A$	-	-	-	<1	-	-	<1	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	-	-	-	<20	-	-	<20	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	<0.01	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	<0.01	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	-	-	<1	-	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	<1	-	-	<1	-	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	<1	-	-	<1	-	2	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	2	-	-	<1	-	3	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	7	-	-	26	-	28	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	1	-	-	2	-	3	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	11	-	-	28	-	36	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	<0.01	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	<1	-	-	2	-	2	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	<1	-	-	<1	-	2	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	5	-	-	1	-	6	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	11	-	-	4	-	12	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	28	-	-	34	-	39	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	<1	-	-	4	-	5	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	43	-	-	45	-	67	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	54	-	-	73	-	103	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	-	-	<0.01	-	<0.01	mg/kg	0.01	A-T-022s

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
SVOC										
4-Bromophenyl phenyl ether$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Hexachlorobenzene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Carbazole$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	-	-	-	<500	-	-	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Phenol$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	-	-	-	<500	-	-	µg/kg	500	A-T-052s

Lab Sample ID	20/07472/5	20/07472/6	20/07817/1	20/07817/2	20/07817/3	20/07817/4	20/07817/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS306	WS312	TP309	TP310	TP310	TP311	TP311			
Depth to Top	1.30	1.50	0.40	0.60	1.50	1.00	1.50			
Depth To Bottom	1.50	1.60								
Date Sampled	03-Sep-20	03-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20	14-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6ABE	6ABDE	7	6ABE	6ABE			
n-Dibutylphthalate$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Isophorone$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Hexachloroethane$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s
Perylene$_A$	-	-	-	-	<100	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07817/6	20/07817/7	20/07817/8	20/07817/9	20/07817/10	20/07817/11	20/07817/12	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP311	TP312	BH301	BH302	BH302	BH303	BH401			
Depth to Top	2.00	0.50	0.60	1.50	2.00	1.00	1.00			
Depth To Bottom										
Date Sampled	14-Sep-20	14-Sep-20	08-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	09-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6AE	6AE	5AE	6ABE	6ABE			
% Stones >10mm$_A$	16.5	16.9	4.5	8.1	<0.1	11.0	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.41	7.70	7.99	10.02	7.88	9.81	8.97	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	118	1570	923	202	86	81	70	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	8	4	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0119	0.1959	0.0861	0.0220	0.0061	0.0110	0.0366	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	6	12	7	<5	<5	24	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	257	42	52	4	2	14	10	mg/kg	1	A-T-024s
Barium$_D$	78	95	472	142	76	206	398	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	1.3	4.3	4.8	<0.5	<0.5	0.9	1.4	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	8.3	6.0	1.6	1.6	<1.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.8	3.8	1.7	0.7	0.5	1.0	0.9	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	407	175	220	180	10	61	57	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	16	61	33	17	11	11	16	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	16	61	33	17	11	11	16	mg/kg	1	Calc
Lead$_D$$^{M\#}$	125	232	584	126	9	101	555	mg/kg	1	A-T-024s
Mercury$_D$	0.48	0.82	1.76	2.15	<0.17	2.42	0.79	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	<1	6	7	<1	<1	<1	<1	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	21	62	65	10	13	17	22	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	2	2	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	23	50	49	12	13	14	29	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	58	201	841	151	35	118	484	mg/kg	5	A-T-024s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07817/6	20/07817/7	20/07817/8	20/07817/9	20/07817/10	20/07817/11	20/07817/12	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP311	TP312	BH301	BH302	BH302	BH303	BH401			
Depth to Top	2.00	0.50	0.60	1.50	2.00	1.00	1.00			
Depth To Bottom										
Date Sampled	14-Sep-20	14-Sep-20	08-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	09-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6AE	6AE	5AE	6ABE	6ABE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	Chrysotile			A-T-045
Asbestos Matrix (visual)$_{D}$	-	-	-	-	-	-	Cement			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	Yes			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	-	-	-	-	-	0.465	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07817/6	20/07817/7	20/07817/8	20/07817/9	20/07817/10	20/07817/11	20/07817/12	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP311	TP312	BH301	BH302	BH302	BH303	BH401			
Depth to Top	2.00	0.50	0.60	1.50	2.00	1.00	1.00			
Depth To Bottom										
Date Sampled	14-Sep-20	14-Sep-20	08-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	09-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6AE	6AE	5AE	6ABE	6ABE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.04	<0.01	0.01	0.27	<0.01	0.01	0.98	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.06	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.08	<0.02	0.04	0.16	<0.02	0.02	1.57	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.10	<0.04	0.12	0.24	<0.04	0.10	3.63	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.09	<0.04	0.13	0.24	<0.04	0.13	3.25	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.08	<0.05	0.13	0.30	<0.05	0.15	3.52	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	0.07	0.13	<0.05	0.11	1.29	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	0.11	<0.07	<0.07	1.44	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.13	<0.06	0.17	0.37	<0.06	0.15	3.91	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.29	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.25	<0.08	0.26	0.66	<0.08	0.21	9.77	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.07	<0.01	0.01	0.60	<0.01	<0.01	0.92	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.05	<0.03	0.07	0.14	<0.03	0.10	1.46	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.08	<0.03	<0.03	0.05	<0.03	<0.03	0.72	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.46	<0.03	0.19	1.34	<0.03	0.15	8.28	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.23	<0.07	0.25	0.81	<0.07	0.20	9.17	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	1.66	<0.08	1.45	5.42	<0.08	1.33	50.3	mg/kg	0.01	A-T-019s

Lab Sample ID	20/07817/6	20/07817/7	20/07817/8	20/07817/9	20/07817/10	20/07817/11	20/07817/12	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP311	TP312	BH301	BH302	BH302	BH303	BH401			
Depth to Top	2.00	0.50	0.60	1.50	2.00	1.00	1.00			
Depth To Bottom										
Date Sampled	14-Sep-20	14-Sep-20	08-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	09-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6AE	6AE	5AE	6ABE	6ABE			
VOC										
Dichlorodifluoromethane$_{A}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	-	<10	-	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	-	7	-	-	-	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	-	<5	-	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	-	<5	-	-	-	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	-	<2	-	-	-	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	-	<10	-	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s

Lab Sample ID	20/07817/6	20/07817/7	20/07817/8	20/07817/9	20/07817/10	20/07817/11	20/07817/12	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP311	TP312	BH301	BH302	BH302	BH303	BH401			
Depth to Top	2.00	0.50	0.60	1.50	2.00	1.00	1.00			
Depth To Bottom										
Date Sampled	14-Sep-20	14-Sep-20	08-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	09-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6AE	6AE	5AE	6ABE	6ABE			
Tetrachloroethene$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	-	-	-	<3	-	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Chlorobenzene$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	-	-	-	3	-	-	-	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	-	-	-	1	-	-	-	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	-	-	-	3	-	-	-	µg/kg	1	A-T-006s
Styrene$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Bromoform$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	-	-	-	2	-	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	-	-	-	4	-	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	-	-	-	1	-	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	-	-	-	<2	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	-	-	-	11	-	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	-	-	-	3	-	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	-	-	-	2	-	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	-	-	-	<2	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	-	-	-	<3	-	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	-	-	-	<1	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	-	-	-	<3	-	-	-	µg/kg	3	A-T-006s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07817/6	20/07817/7	20/07817/8	20/07817/9	20/07817/10	20/07817/11	20/07817/12	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP311	TP312	BH301	BH302	BH302	BH303	BH401			
Depth to Top	2.00	0.50	0.60	1.50	2.00	1.00	1.00			
Depth To Bottom										
Date Sampled	14-Sep-20	14-Sep-20	08-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	09-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6AE	6AE	5AE	6ABE	6ABE			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	-	<0.01	0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	-	<1	22	<1	<1	1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	-	<1	60	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	-	1	235	4	<1	2	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	-	2	309	6	2	5	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	-	4	234	7	9	19	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	-	<1	13	<1	2	5	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	-	7	873	17	13	32	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	-	2	27	1	2	4	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	-	2	82	2	1	5	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	-	5	402	7	2	22	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	-	8	283	7	3	62	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	-	21	86	5	14	147	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	-	1	<5	<1	2	8	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	-	40	880	23	24	248	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	-	47	1750	40	37	279	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07817/6	20/07817/7	20/07817/8	20/07817/9	20/07817/10	20/07817/11	20/07817/12	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP311	TP312	BH301	BH302	BH302	BH303	BH401			
Depth to Top	2.00	0.50	0.60	1.50	2.00	1.00	1.00			
Depth To Bottom										
Date Sampled	14-Sep-20	14-Sep-20	08-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	09-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6AE	6AE	5AE	6ABE	6ABE			
SVOC										
4-Bromophenyl phenyl ether$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Hexachlorobenzene$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	-	-	309	-	-	-	µg/kg	100	A-T-052s
Carbazole$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	-	-	841	-	-	-	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	-	-	303	-	-	-	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	-	-	473	-	-	-	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Phenol$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	-	-	<500	-	-	-	µg/kg	500	A-T-052s

Lab Sample ID	20/07817/6	20/07817/7	20/07817/8	20/07817/9	20/07817/10	20/07817/11	20/07817/12	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP311	TP312	BH301	BH302	BH302	BH303	BH401			
Depth to Top	2.00	0.50	0.60	1.50	2.00	1.00	1.00			
Depth To Bottom										
Date Sampled	14-Sep-20	14-Sep-20	08-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	09-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6ABE	6AE	6AE	5AE	6ABE	6ABE			
n-Dibutylphthalate$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Isophorone$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Hexachloroethane$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	-	-	<100	-	-	-	µg/kg	100	A-T-052s
Perylene$_A$	-	-	-	346	-	-	-	µg/kg	100	A-T-052s

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Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07817/13	20/07817/14	20/07817/15	20/07819/1	20/07819/2	20/07819/3	20/07819/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH401	BH402	BH403	TP308	TP308	TP410	TP409			
Depth to Top	2.50	0.50	1.00	0.50	1.00	0.50	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	10-Sep-20	11-Sep-20	09-Sep-20	09-Sep-20	10-Sep-20	10-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AB	5AE	6AE	6ABE	6ABE	6A			
% Stones >10mm$_A$	31.7	30.7	3.4	<0.1	8.4	24.0	10.6	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.63	8.81	9.46	8.28	8.02	8.40	8.00	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	95	19	206	20	1080	214	77	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	6	7	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0183	0.0112	0.0112	0.1562	0.0179	0.0237	0.0270	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	<5	<5	5	<5	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	7	8	2	12	14	8	21	mg/kg	1	A-T-024s
Barium$_D$	89	200	79	86	166	489	91	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	0.6	0.6	0.8	1.8	0.8	1.2	1.1	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	<0.5	0.7	1.1	0.9	1.3	0.6	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	27	30	18	83	53	42	58	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	10	11	19	23	15	17	16	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	10	11	19	23	15	17	16	mg/kg	1	Calc
Lead$_D$$^{M\#}$	139	78	14	50	275	138	179	mg/kg	1	A-T-024s
Mercury$_D$	0.66	2.20	<0.17	<0.17	1.15	2.62	0.55	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	<1	<1	<1	8	2	<1	<1	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	12	10	23	65	16	23	20	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	16	15	19	68	25	26	17	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	77	75	46	108	169	198	48	mg/kg	5	A-T-024s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07817/13	20/07817/14	20/07817/15	20/07819/1	20/07819/2	20/07819/3	20/07819/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH401	BH402	BH403	TP308	TP308	TP410	TP409			
Depth to Top	2.50	0.50	1.00	0.50	1.00	0.50	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	10-Sep-20	11-Sep-20	09-Sep-20	09-Sep-20	10-Sep-20	10-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AB	5AE	6AE	6ABE	6ABE	6A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07817/13	20/07817/14	20/07817/15	20/07819/1	20/07819/2	20/07819/3	20/07819/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH401	BH402	BH403	TP308	TP308	TP410	TP409			
Depth to Top	2.50	0.50	1.00	0.50	1.00	0.50	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	10-Sep-20	11-Sep-20	09-Sep-20	09-Sep-20	10-Sep-20	10-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AB	5AE	6AE	6ABE	6ABE	6A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.04	<0.01	0.06	0.54	0.07	0.80	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	0.07	0.01	0.03	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.06	0.03	0.11	0.92	0.11	1.44	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.16	0.15	0.18	2.93	0.61	4.40	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.20	0.21	0.18	2.47	0.67	3.75	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.19	0.21	0.19	3.33	0.95	4.87	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.14	0.14	0.09	1.48	0.50	2.17	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.07	0.08	0.09	1.07	0.28	1.58	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.22	0.21	0.24	3.09	0.79	4.42	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	0.30	0.09	0.42	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.37	0.19	0.42	6.50	1.23	10	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.03	<0.01	0.04	0.37	0.04	0.59	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.11	0.15	0.08	1.67	0.54	2.54	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.04	<0.03	<0.03	0.10	<0.03	0.24	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.34	0.06	0.51	3.64	0.50	4.75	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.40	0.20	0.39	6.28	1.21	8.66	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	2.37	1.63	2.58	34.8	7.60	50.7	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07817/13	20/07817/14	20/07817/15	20/07819/1	20/07819/2	20/07819/3	20/07819/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH401	BH402	BH403	TP308	TP308	TP410	TP409			
Depth to Top	2.50	0.50	1.00	0.50	1.00	0.50	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	10-Sep-20	11-Sep-20	09-Sep-20	09-Sep-20	10-Sep-20	10-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AB	5AE	6AE	6ABE	6ABE	6A			
VOC										
Dichlorodifluoromethane$_A$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Chloromethane$_A$	-	-	-	-	-	-	<10	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Bromomethane$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Chloroethane$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Trichlorofluoromethane$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1-Dichloroethene$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Carbon Disulphide$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Dichloromethane$_A$	-	-	-	-	-	-	<5	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1-Dichloroethane$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
2,2-Dichloropropane$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Bromochloromethane$_A^{\#}$	-	-	-	-	-	-	<5	µg/kg	5	A-T-006s
Chloroform$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1-Dichloropropene$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Carbon Tetrachloride$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2-Dichloroethane$_A^{\#}$	-	-	-	-	-	-	<2	µg/kg	2	A-T-006s
Benzene$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Trichloroethene$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2-Dichloropropane$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Dibromomethane$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Bromodichloromethane$_A^{\#}$	-	-	-	-	-	-	<10	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Toluene$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,3-Dichloropropane$_A^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s

Lab Sample ID	20/07817/13	20/07817/14	20/07817/15	20/07819/1	20/07819/2	20/07819/3	20/07819/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH401	BH402	BH403	TP308	TP308	TP410	TP409			
Depth to Top	2.50	0.50	1.00	0.50	1.00	0.50	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	10-Sep-20	11-Sep-20	09-Sep-20	09-Sep-20	10-Sep-20	10-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AB	5AE	6AE	6ABE	6ABE	6A			
Tetrachloroethene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	-	-	-	-	-	-	<3	µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Chlorobenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	-	-	-	-	-	-	<2	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	-	-	-	-	-	-	<2	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	-	-	-	-	-	-	<3	µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	-	-	-	-	-	-	<3	µg/kg	3	A-T-006s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07817/13	20/07817/14	20/07817/15	20/07819/1	20/07819/2	20/07819/3	20/07819/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH401	BH402	BH403	TP308	TP308	TP410	TP409			
Depth to Top	2.50	0.50	1.00	0.50	1.00	0.50	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	10-Sep-20	11-Sep-20	09-Sep-20	09-Sep-20	10-Sep-20	10-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AB	5AE	6AE	6ABE	6ABE	6A			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	<0.01	<0.01	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	<0.01	<0.01	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	<1	<1	-	-	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	<1	<1	1	-	-	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	2	2	16	-	-	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	2	2	27	-	-	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	240	8	182	-	-	1	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	57	2	156	-	-	<1	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	301	14	383	-	-	1	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	<0.01	<0.01	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	<0.01	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	<1	2	4	-	-	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	<1	1	4	-	-	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	9	4	20	-	-	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	31	8	49	-	-	<1	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	432	21	203	-	-	2	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	156	3	130	-	-	<1	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	629	40	409	-	-	2	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	935	54	792	-	-	3	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	<0.01	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	<0.01	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s

Lab Sample ID	20/07817/13	20/07817/14	20/07817/15	20/07819/1	20/07819/2	20/07819/3	20/07819/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH401	BH402	BH403	TP308	TP308	TP410	TP409			
Depth to Top	2.50	0.50	1.00	0.50	1.00	0.50	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	10-Sep-20	11-Sep-20	09-Sep-20	09-Sep-20	10-Sep-20	10-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AB	5AE	6AE	6ABE	6ABE	6A			
SVOC										
4-Bromophenyl phenyl ether$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Hexachlorobenzene$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Carbazole$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	-	-	-	-	-	<500	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Phenol$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	-	-	-	-	-	<500	µg/kg	500	A-T-052s

Lab Sample ID	20/07817/13	20/07817/14	20/07817/15	20/07819/1	20/07819/2	20/07819/3	20/07819/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH401	BH402	BH403	TP308	TP308	TP410	TP409			
Depth to Top	2.50	0.50	1.00	0.50	1.00	0.50	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	10-Sep-20	11-Sep-20	09-Sep-20	09-Sep-20	10-Sep-20	10-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AB	5AE	6AE	6ABE	6ABE	6A			
n-Dibutylphthalate$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Isophorone$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Hexachloroethane$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s
Perylene$_A$	-	-	-	-	-	-	<100	µg/kg	100	A-T-052s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/7	20/07819/9	20/07819/10	20/07819/11	20/07819/12	20/07819/13	20/07819/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP408	TP407	TP407	TP301	TP301	TP302	TP302			
Depth to Top	0.50	1.00	2.00	0.50	1.00	0.40	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABDE	6ABE	6ABE	6ABE	5A	6ABE	5A			
% Stones >10mm$_A$	21.5	<0.1	<0.1	8.8	<0.1	17.9	1.9	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	9.61	8.73	8.97	8.30	7.97	1.94	7.85	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	278	<10	22	25	57	1080	244	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0135	0.0311	0.0282	0.0421	0.0264	0.0202	0.0060	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	7	10	<5	<5	<5	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	6	11	15	20	8	12	4	mg/kg	1	A-T-024s
Barium$_D$	152	630	879	162	84	442	84	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	0.5	0.7	0.9	1.9	1.2	1.0	0.7	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.5	1.3	1.1	1.3	0.7	2.5	0.7	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	24	61	65	94	43	88	21	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	30	26	28	25	21	25	23	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	30	26	28	25	21	25	23	mg/kg	1	Calc
Lead$_D$$^{M\#}$	84	392	365	248	88	312	25	mg/kg	1	A-T-024s
Mercury$_D$	1.41	3.26	1.66	0.67	<0.17	1.32	<0.17	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	<1	<1	<1	3	<1	2	<1	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	13	17	19	36	23	25	21	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	20	25	34	28	26	29	24	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	84	346	490	479	64	383	47	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	-	-	-	-	-	*	-			A-T-001
pH (leachable)$_A$$^{\#}$	-	-	-	-	-	7.74	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	-	-	-	-	-	62.01	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	-	-	-	-	-	3.6	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	-	-	-	-	-	3	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	-	-	-	-	-	3	-	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	-	-	-	-	-	23	-	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/7	20/07819/9	20/07819/10	20/07819/11	20/07819/12	20/07819/13	20/07819/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP408	TP407	TP407	TP301	TP301	TP302	TP302			
Depth to Top	0.50	1.00	2.00	0.50	1.00	0.40	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABDE	6ABE	6ABE	6ABE	5A	6ABE	5A			
Barium (leachable)$_A^{\#}$	-	-	-	-	-	60	-	µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	-	-	-	-	-	<1	-	µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	-	-	-	-	-	<1	-	µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	-	-	-	-	-	9	-	µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	-	-	-	-	-	2	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	-	-	-	-	-	<0.05	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	-	-	-	-	-	<0.05	-	mg/l	0.05	Calc
Mercury (leachable)$_A^{\#}$	-	-	-	-	-	<0.1	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	-	-	-	-	-	5	-	µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	-	-	-	-	-	<1	-	µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	-	-	-	-	-	<1	-	µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	-	-	-	-	-	2	-	µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	-	-	-	-	-	3	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w
Styrene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/7	20/07819/9	20/07819/10	20/07819/11	20/07819/12	20/07819/13	20/07819/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP408	TP407	TP407	TP301	TP301	TP302	TP302			
Depth to Top	0.50	1.00	2.00	0.50	1.00	0.40	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABDE	6ABE	6ABE	6ABE	5A	6ABE	5A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	Amosite	Amosite	NAD	NAD	NAD	NAD			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose Fibres & Board	Loose Fibres	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	No	N/A	N/A	N/A	N/A	N/A			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	0.016	0.005	-	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/7	20/07819/9	20/07819/10	20/07819/11	20/07819/12	20/07819/13	20/07819/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP408	TP407	TP407	TP301	TP301	TP302	TP302			
Depth to Top	0.50	1.00	2.00	0.50	1.00	0.40	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABDE	6ABE	6ABE	6ABE	5A	6ABE	5A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	0.09	0.21	0.14	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	0.02	0.01	0.02	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	0.17	0.38	0.28	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.08	0.85	1.65	1.52	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.10	0.72	1.31	1.40	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.17	1.08	1.79	1.93	<0.05	0.06	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.09	0.55	0.92	0.85	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	0.34	0.55	0.62	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.12	1.08	1.87	1.71	<0.06	0.07	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	0.10	0.18	0.16	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.12	1.72	2.76	3.35	<0.08	0.08	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	0.05	0.11	0.10	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.09	0.57	0.99	1.00	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.15	0.05	0.11	0.07	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.11	0.99	2.24	1.67	<0.03	0.08	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.13	1.66	2.67	3.20	<0.07	0.08	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	1.16	10	17.8	18	<0.08	0.37	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/7	20/07819/9	20/07819/10	20/07819/11	20/07819/12	20/07819/13	20/07819/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP408	TP407	TP407	TP301	TP301	TP302	TP302			
Depth to Top	0.50	1.00	2.00	0.50	1.00	0.40	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABDE	6ABE	6ABE	6ABE	5A	6ABE	5A			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	-	-	-	-	-	1.53	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	-	-	-	-	-	0.09	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	-	-	-	-	-	0.08	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	-	-	-	-	-	0.44	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	-	-	-	-	-	9.04	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	-	-	-	-	-	0.47	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	-	-	-	-	-	0.06	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	-	-	-	-	-	11.7	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/7	20/07819/9	20/07819/10	20/07819/11	20/07819/12	20/07819/13	20/07819/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP408	TP407	TP407	TP301	TP301	TP302	TP302			
Depth to Top	0.50	1.00	2.00	0.50	1.00	0.40	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABDE	6ABE	6ABE	6ABE	5A	6ABE	5A			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w

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Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/7	20/07819/9	20/07819/10	20/07819/11	20/07819/12	20/07819/13	20/07819/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP408	TP407	TP407	TP301	TP301	TP302	TP302			
Depth to Top	0.50	1.00	2.00	0.50	1.00	0.40	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABDE	6ABE	6ABE	6ABE	5A	6ABE	5A			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	-	-	-	-	-	<20	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	-	-	-	-	-	<20	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	-	-	-	-	-	31	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	-	-	-	-	-	26	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	-	-	-	-	-	22	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	-	-	-	-	-	60	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	-	-	-	-	-	170	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	-	-	-	-	-	170	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	-	-	-	-	-	31	-	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/7	20/07819/9	20/07819/10	20/07819/11	20/07819/12	20/07819/13	20/07819/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP408	TP407	TP407	TP301	TP301	TP302	TP302			
Depth to Top	0.50	1.00	2.00	0.50	1.00	0.40	1.00			
Depth To Bottom										
Date Sampled	09-Sep-20	09-Sep-20	09-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABDE	6ABE	6ABE	6ABE	5A	6ABE	5A			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	<0.01	-	<0.01	-	<0.01	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	<0.01	-	<0.01	-	<0.01	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	-	<1	-	<1	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	<1	-	<1	-	<1	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	2	-	2	-	<1	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	6	-	2	-	2	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	71	-	73	-	8	-	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	15	-	7	-	2	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	94	-	84	-	12	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	<0.01	-	<0.01	-	<0.01	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	-	<0.01	-	<0.01	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	2	-	2	-	<1	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	1	-	3	-	<1	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	6	-	8	-	2	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	19	-	40	-	4	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	85	-	143	-	8	-	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	20	-	8	-	<1	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	132	-	204	-	16	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	226	-	288	-	28	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	-	<0.01	-	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	-	<0.01	-	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	-	<0.01	-	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	-	<0.01	-	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	-	<0.01	-	<0.01	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	-	<0.01	-	<0.01	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
% Stones >10mm$_A$	<0.1	2.0	<0.1	<0.1	<0.1	26.2	22.3	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	7.50	7.96	8.17	8.18	7.93	8.10	8.46	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	27	70	73	25	1130	1180	11	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1	<1	2	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.2079	0.1166	0.0344	0.0027	0.0329	0.0128	0.0171	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	5	<5	32	<5	8	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	24	18	20	4	26	4	18	mg/kg	1	A-T-024s
Barium$_D$	127	112	216	54	816	256	406	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	2.1	3.2	1.0	0.8	<0.5	0.7	0.8	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	2.5	2.6	2.2	1.3	6.5	3.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.9	0.9	1.0	0.8	1.5	0.7	0.9	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	78	97	85	13	988	1330	57	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	35	15	18	14	33	24	14	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	35	15	18	14	33	24	14	mg/kg	1	Calc
Lead$_D$$^{M\#}$	170	187	293	10	1180	206	248	mg/kg	1	A-T-024s
Mercury$_D$	7.40	0.74	1.49	<0.17	0.92	0.98	4.73	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	3	3	<1	<1	<1	<1	9	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	39	42	18	10	17	18	13	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	39	30	24	16	17	29	18	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	80	47	569	28	1080	483	292	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	-	*	-	-	-	-	-			A-T-001
pH (leachable)$_A$$^{\#}$	-	8.03	-	-	-	-	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	-	213.91	-	-	-	-	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	-	30.4	-	-	-	-	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	-	7	-	-	-	-	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	-	7	-	-	-	-	-	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	-	626	-	-	-	-	-	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
Barium (leachable)$_A^{\#}$	-	70	-	-	-	-	-	µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	-	<1	-	-	-	-	-	µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	-	<1	-	-	-	-	-	µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	-	9	-	-	-	-	-	µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	-	<1	-	-	-	-	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	-	<0.05	-	-	-	-	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	-	<0.05	-	-	-	-	-	mg/l	0.05	Calc
Mercury (leachable)$_A^{\#}$	-	<0.1	-	-	-	-	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	-	77	-	-	-	-	-	µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	-	6	-	-	-	-	-	µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	-	2	-	-	-	-	-	µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	-	2	-	-	-	-	-	µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	-	5	-	-	-	-	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-006w
Styrene (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_D^{\#}$	Amosite	NAD	Chrysotile	NAD	Chrysotile	NAD	Chrysotile			A-T-045
Asbestos Matrix (microscope)$_D$	Loose Fibres	-	Loose Fibres	-	Loose Fibres	-	Loose Fibres & Cement			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_D$	<0.001	-	<0.001	-	<0.001	-	0.154	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	3.83	1.30	0.86	<0.01	0.06	0.10	0.03	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.10	<0.10	<0.02	<0.01	<0.01	<0.10	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	2.38	1.21	0.95	<0.02	0.07	<0.20	0.08	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	3.39	0.82	2.68	<0.04	0.33	<0.40	0.27	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	3.25	0.65	2.80	<0.04	0.48	0.43	0.22	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	3.53	0.89	2.80	<0.05	0.53	0.50	0.29	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	2.29	<0.50	1.91	<0.05	0.34	<0.50	0.15	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	1.15	<0.70	1.02	<0.07	0.18	<0.70	0.11	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	4.86	1.32	2.54	<0.06	0.42	<0.60	0.32	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.40	<0.40	0.36	<0.04	0.05	<0.40	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	10.9	2.98	7.14	<0.08	0.67	<0.80	0.53	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	6.15	4.28	0.59	<0.01	0.09	0.22	0.03	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	2.35	0.60	2.17	<0.03	0.36	0.42	0.17	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	1.61	1.60	0.65	<0.03	0.06	<0.30	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	15.4	6.76	4.12	<0.03	0.38	0.66	0.35	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	12.4	4.26	7.12	<0.07	0.82	0.93	0.50	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	73.5	26.7	37.7	<0.08	4.84	3.26	3.05	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	-	<0.20	-	-	-	-	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	-	0.53	-	-	-	-	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	-	0.53	-	-	-	-	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	-	<0.020	-	-	-	-	-	µg/l	0.002	A-T-004w

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
VOC										
Dichlorodifluoromethane$_{A}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	<10	-	-	<10	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	<5	-	-	<5	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	<5	-	-	<5	-	-	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	<2	-	-	<2	-	-	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	<10	-	-	<10	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
Tetrachloroethene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	-	<3	-	-	<3	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Chlorobenzene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	-	1	-	-	<1	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	-	<2	-	-	<2	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	-	6	-	-	<1	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	-	9	-	-	<1	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	-	5	-	-	<1	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	-	<2	-	-	<2	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	-	<3	-	-	<3	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	-	<1	-	-	<1	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	-	<3	-	-	<3	-	-	µg/kg	3	A-T-006s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	-	238	-	-	-	-	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	-	3225	-	-	-	-	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	-	31240	-	-	-	-	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	-	53920	-	-	-	-	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	-	74650	-	-	-	-	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	-	11920	-	-	-	-	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	-	175200	-	-	-	-	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	-	132	-	-	-	-	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	-	1041	-	-	-	-	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	-	15920	-	-	-	-	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	-	25680	-	-	-	-	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	-	1682	-	-	-	-	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	-	54500	-	-	-	-	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	-	229700	-	-	-	-	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	-	<1	-	-	-	-	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	-	10050	-	-	-	-	-	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	0.02	<0.01	-	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	31	26	-	1	9	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	234	113	-	9	36	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	1510	378	-	90	127	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	2380	362	-	217	236	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	3480	389	-	476	321	-	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	464	42	-	64	28	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	8090	1310	-	856	756	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	36	28	-	2	9	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	185	140	-	6	29	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	1650	551	-	64	172	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	1680	465	-	140	217	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	742	464	-	108	102	-	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	96	36	-	18	10	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	4390	1690	-	339	540	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	12500	3000	-	1200	1290	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	-	mg/kg	0.01	A-T-022s

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
SVOC										
4-Bromophenyl phenyl ether$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Hexachlorobenzene$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	671	-	-	<100	-	-	µg/kg	100	A-T-052s
Carbazole$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	5430	-	-	2810	-	-	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	184	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	5050	-	-	<100	-	-	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Phenol$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	<500	-	-	<500	-	-	µg/kg	500	A-T-052s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07819/15	20/07819/16	20/07819/18	20/07819/19	20/07819/20	20/07819/21	20/07895/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP303	TP303	TP304	TP304	TP305	TP305	WS319			
Depth to Top	0.40	1.20	0.50	1.00	0.50	1.20	0.40			
Depth To Bottom							0.50			
Date Sampled	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	11-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6AE	6AE	6ABE	5A	6ABE	5AE	6ABE			
n-Dibutylphthalate$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Isophorone$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Hexachloroethane$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	<100	-	-	<100	-	-	µg/kg	100	A-T-052s
Perylene$_A$	-	<100	-	-	177	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/2	20/07895/3	20/07895/4	20/07895/5	20/07895/6	20/07895/7	20/07895/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS319	WS320	WS320	WS321	WS321	WS322	WS322			
Depth to Top	1.70	0.20	0.50	0.20	1.00	0.10	0.30			
Depth To Bottom	1.80	0.30	0.60	0.30	1.10	0.20	0.40			
Date Sampled	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AB	6ABE	6ABE	4AE	6AE	4A			
% Stones >10mm$_A$	<0.1	5.8	5.5	19.5	0.4	8.9	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.09	8.72	8.47	7.76	8.38	7.86	8.26	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	<10	10	29	<10	<10	<10	<10	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0062	0.0048	0.0391	0.0246	0.0010	0.0271	<0.0003	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	10	<5	<5	<5	<5	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	6	2	13	16	<1	13	<1	mg/kg	1	A-T-024s
Barium$_D$	60	287	164	171	51	179	39	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	<0.5	<0.5	1.6	1.0	1.4	0.7	<0.5	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.6	0.6	0.9	0.9	<0.5	1.0	<0.5	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	15	123	91	68	7	51	3	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	8	9	14	17	11	58	5	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	8	9	14	17	11	58	5	mg/kg	1	Calc
Lead$_D$$^{M\#}$	7	143	180	207	6	147	3	mg/kg	1	A-T-024s
Mercury$_D$	0.21	2.86	2.32	0.61	0.36	0.75	<0.17	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	5	2	4	3	<1	2	<1	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	13	8	21	19	7	19	3	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	11	12	23	23	10	26	8	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	30	214	119	128	25	138	10	mg/kg	5	A-T-024s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/2	20/07895/3	20/07895/4	20/07895/5	20/07895/6	20/07895/7	20/07895/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS319	WS320	WS320	WS321	WS321	WS322	WS322			
Depth to Top	1.70	0.20	0.50	0.20	1.00	0.10	0.30			
Depth To Bottom	1.80	0.30	0.60	0.30	1.10	0.20	0.40			
Date Sampled	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AB	6ABE	6ABE	4AE	6AE	4A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	Chrysotile	NAD	Chrysotile	NAD	NAD	NAD			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose Fibres	-	Loose Fibres	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	<0.001	-	0.001	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/2	20/07895/3	20/07895/4	20/07895/5	20/07895/6	20/07895/7	20/07895/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS319	WS320	WS320	WS321	WS321	WS322	WS322			
Depth to Top	1.70	0.20	0.50	0.20	1.00	0.10	0.30			
Depth To Bottom	1.80	0.30	0.60	0.30	1.10	0.20	0.40			
Date Sampled	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AB	6ABE	6ABE	4AE	6AE	4A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	0.01	<0.01	0.68	<0.01	0.31	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	0.02	<0.01	0.03	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	0.03	<0.02	0.52	<0.02	0.58	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	0.14	<0.04	1.27	<0.04	1.74	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	0.14	<0.04	1.09	<0.04	1.47	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	0.16	<0.05	1.36	<0.05	1.84	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	0.14	<0.05	0.64	<0.05	0.88	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	0.43	<0.07	0.61	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	0.18	<0.06	1.49	<0.06	1.88	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	0.14	<0.04	0.17	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	0.23	<0.08	3.13	<0.08	3.93	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	0.42	<0.01	0.19	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	0.15	<0.03	0.75	<0.03	1.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	0.50	<0.03	0.31	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	0.14	<0.03	2.57	<0.03	2.48	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	0.24	<0.07	2.86	<0.07	3.55	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	1.56	<0.08	17.9	<0.08	21	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/2	20/07895/3	20/07895/4	20/07895/5	20/07895/6	20/07895/7	20/07895/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS319	WS320	WS320	WS321	WS321	WS322	WS322			
Depth to Top	1.70	0.20	0.50	0.20	1.00	0.10	0.30			
Depth To Bottom	1.80	0.30	0.60	0.30	1.10	0.20	0.40			
Date Sampled	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20	15-Sep-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AB	6ABE	6ABE	4AE	6AE	4A			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	-	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	-	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	-	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	-	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	-	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	-	<1	-	-	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	2	-	2	-	-	-	-	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	<1	-	<1	-	-	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	2	-	2	-	-	-	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	-	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	-	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	-	<1	-	-	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	-	<1	-	-	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	-	1	-	-	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	-	2	-	-	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	<1	-	6	-	-	-	-	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	<1	-	<1	-	-	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	<1	-	9	-	-	-	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	2	-	12	-	-	-	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	<0.01	-	-	-	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/9	20/08419/1	20/08419/2	20/08419/3	20/08419/4	20/09678/1	20/09678/2	Units	Limit of Detection	Method ref
Client Sample No		SP1	SP2	SP3	SP4					
Client Sample ID	WS302					PH308	PH308			
Depth to Top	0.40	0.20	0.20	0.20	0.20	1.00	2.80			
Depth To Bottom	0.50					1.30	3.10			
Date Sampled	15-Sep-20	02-Oct-20	02-Oct-20	02-Oct-20	02-Oct-20	10-Nov-20	10-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	4AE	4ABE	4AE	4AE	4AE	4A			
% Stones >10mm$_A$	7.4	5.3	8.5	11.4	41.8	19.5	5.7	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.36	8.34	8.35	8.23	8.40	-	8.04	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	899	35	329	<10	22	-	<10	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1	<1	-	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0066	0.0724	0.0380	0.0322	0.0314	-	0.0350	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	<5	<5	<5	-	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	6	4	6	8	12	-	28	mg/kg	1	A-T-024s
Barium$_D$	343	159	193	159	207	-	56	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	0.6	0.9	1.0	0.9	0.9	-	0.7	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.0	<1.0	2.6	<1.0	<1.0	-	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.6	0.8	1.4	0.8	1.0	-	0.8	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	35	41	59	40	58	-	52	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	12	21	25	22	21	-	9	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	-	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	12	21	25	22	21	-	9	mg/kg	1	Calc
Lead$_D$$^{M\#}$	161	80	155	94	832	-	44	mg/kg	1	A-T-024s
Mercury$_D$	1.09	1.22	1.22	0.66	0.67	-	<0.17	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	<1	<1	<1	<1	2	-	<1	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	12	22	25	19	23	-	16	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	2	<1	<1	-	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	14	40	30	25	27	-	15	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	156	101	192	112	495	-	41	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	-	-	-	-	-	*	-			A-T-001
pH (leachable)$_A$$^{\#}$	-	-	-	-	-	8.11	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	-	-	-	-	-	17.50	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	-	-	-	-	-	4.7	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	-	-	-	-	-	8	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	-	-	-	-	-	32	-	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	-	-	-	-	-	43	-	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/9	20/08419/1	20/08419/2	20/08419/3	20/08419/4	20/09678/1	20/09678/2	Units	Limit of Detection	Method ref
Client Sample No		SP1	SP2	SP3	SP4					
Client Sample ID	WS302					PH308	PH308			
Depth to Top	0.40	0.20	0.20	0.20	0.20	1.00	2.80			
Depth To Bottom	0.50					1.30	3.10			
Date Sampled	15-Sep-20	02-Oct-20	02-Oct-20	02-Oct-20	02-Oct-20	10-Nov-20	10-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	4AE	4ABE	4AE	4AE	4AE	4A			
Barium (leachable)$_{A}^{\#}$	-	-	-	-	-	73	-	µg/l	1	A-T-025w
Beryllium (leachable)$_{A}^{\#}$	-	-	-	-	-	<1	-	µg/l	1	A-T-025w
Cadmium (leachable)$_{A}^{\#}$	-	-	-	-	-	<1	-	µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	-	-	-	-	-	37	-	µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	-	-	-	-	-	8	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	-	-	-	-	-	<0.05	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	-	-	-	-	-	<0.05	-	mg/l	0.05	Calc
Mercury (leachable)$_{A}^{\#}$	-	-	-	-	-	<0.1	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_{A}^{\#}$	-	-	-	-	-	5	-	µg/l	1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	-	-	-	-	-	8	-	µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	-	-	-	-	-	<1	-	µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	-	-	-	-	-	8	-	µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	-	-	-	-	-	50	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_{A}$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_{A}$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_{A}$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w
Styrene (leachable)$_{A}$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_{A}$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_{A}$	-	-	-	-	-	<1	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/9	20/08419/1	20/08419/2	20/08419/3	20/08419/4	20/09678/1	20/09678/2	Units	Limit of Detection	Method ref
Client Sample No		SP1	SP2	SP3	SP4					
Client Sample ID	WS302					PH308	PH308			
Depth to Top	0.40	0.20	0.20	0.20	0.20	1.00	2.80			
Depth To Bottom	0.50					1.30	3.10			
Date Sampled	15-Sep-20	02-Oct-20	02-Oct-20	02-Oct-20	02-Oct-20	10-Nov-20	10-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	4AE	4ABE	4AE	4AE	4AE	4A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_D^{\#}$	Amosite & Chrysotile	NAD	NAD	NAD	NAD	NAD	-			A-T-045
Asbestos Matrix (microscope)$_D$	Loose Fibres	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A	N/A	-			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_D$	0.002	-	-	-	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/9	20/08419/1	20/08419/2	20/08419/3	20/08419/4	20/09678/1	20/09678/2	Units	Limit of Detection	Method ref
Client Sample No		SP1	SP2	SP3	SP4					
Client Sample ID	WS302					PH308	PH308			
Depth to Top	0.40	0.20	0.20	0.20	0.20	1.00	2.80			
Depth To Bottom	0.50					1.30	3.10			
Date Sampled	15-Sep-20	02-Oct-20	02-Oct-20	02-Oct-20	02-Oct-20	10-Nov-20	10-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	4AE	4ABE	4AE	4AE	4AE	4A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.03	0.98	2.81	0.07	0.17	-	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	0.13	0.21	0.02	0.02	-	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.05	2.21	4.69	0.15	0.50	-	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.28	10.2	13.3	0.71	2.30	-	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.32	11.8	12.7	0.75	2.38	-	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.39	13.9	16.1	1.00	2.85	-	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.33	7.40	8.63	0.53	1.20	-	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.13	5.40	6.51	0.34	1.02	-	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.37	9.72	14.6	0.77	2.43	-	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.06	1.73	2.05	0.11	0.25	-	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.53	19.4	27.3	1.33	4.58	-	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.01	0.67	2.05	0.04	0.14	-	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.32	9.14	9.65	0.56	1.50	-	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	0.17	0.70	<0.03	0.04	-	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.27	7.15	18.1	0.58	2.02	-	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.57	18.1	23.6	1.20	4.10	-	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	3.66	118	163	8.16	25.5	-	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/9	20/08419/1	20/08419/2	20/08419/3	20/08419/4	20/09678/1	20/09678/2	Units	Limit of Detection	Method ref
Client Sample No		SP1	SP2	SP3	SP4					
Client Sample ID	WS302					PH308	PH308			
Depth to Top	0.40	0.20	0.20	0.20	0.20	1.00	2.80			
Depth To Bottom	0.50					1.30	3.10			
Date Sampled	15-Sep-20	02-Oct-20	02-Oct-20	02-Oct-20	02-Oct-20	10-Nov-20	10-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	4AE	4ABE	4AE	4AE	4AE	4A			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	-	-	-	-	-	0.03	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	-	-	-	-	-	<0.02	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	-	-	-	-	-	0.02	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	-	-	-	-	-	0.05	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/9	20/08419/1	20/08419/2	20/08419/3	20/08419/4	20/09678/1	20/09678/2	Units	Limit of Detection	Method ref
Client Sample No		SP1	SP2	SP3	SP4					
Client Sample ID	WS302					PH308	PH308			
Depth to Top	0.40	0.20	0.20	0.20	0.20	1.00	2.80			
Depth To Bottom	0.50					1.30	3.10			
Date Sampled	15-Sep-20	02-Oct-20	02-Oct-20	02-Oct-20	02-Oct-20	10-Nov-20	10-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	4AE	4ABE	4AE	4AE	4AE	4A			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	-	-	-	-	-	<0.002	-	µg/l	0.002	A-T-004w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/9	20/08419/1	20/08419/2	20/08419/3	20/08419/4	20/09678/1	20/09678/2	Units	Limit of Detection	Method ref
Client Sample No		SP1	SP2	SP3	SP4					
Client Sample ID	WS302					PH308	PH308			
Depth to Top	0.40	0.20	0.20	0.20	0.20	1.00	2.80			
Depth To Bottom	0.50					1.30	3.10			
Date Sampled	15-Sep-20	02-Oct-20	02-Oct-20	02-Oct-20	02-Oct-20	10-Nov-20	10-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	4AE	4ABE	4AE	4AE	4AE	4A			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	-	-	-	-	-	<20	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	-	-	-	-	-	<20	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	-	-	-	-	-	<50	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	-	-	-	-	-	<10	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	-	-	-	-	-	<50	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	-	-	-	-	-	<50	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	-	-	-	-	-	<1	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	-	-	-	-	-	<20	-	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/07895/9	20/08419/1	20/08419/2	20/08419/3	20/08419/4	20/09678/1	20/09678/2	Units	Limit of Detection	Method ref
Client Sample No		SP1	SP2	SP3	SP4					
Client Sample ID	WS302					PH308	PH308			
Depth to Top	0.40	0.20	0.20	0.20	0.20	1.00	2.80			
Depth To Bottom	0.50					1.30	3.10			
Date Sampled	15-Sep-20	02-Oct-20	02-Oct-20	02-Oct-20	02-Oct-20	10-Nov-20	10-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	4AE	4ABE	4AE	4AE	4AE	4A			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<5	<5	<1	<1	-	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	<5	<5	<1	<1	-	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	<5	8	<1	<1	-	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	11	17	<1	2	-	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	416	418	17	23	-	3	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	258	87	3	7	-	<1	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	685	530	21	32	-	3	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	<5	7	<1	<1	-	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	<5	12	<1	1	-	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	55	97	3	4	-	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	398	484	12	17	-	<1	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	1850	1780	58	75	-	2	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	485	134	6	9	-	<1	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	2790	2510	79	108	-	2	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	3480	3040	100	140	-	6	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09678/3	20/09678/4	20/09678/5	20/09678/6	20/09678/7	20/09678/8	20/09679/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH310	PH310	WS315	PH303	PH303	PH302	PH301A			
Depth to Top	0.50	1.20	0.90	2.90	4.40	0.40	0.50			
Depth To Bottom		2.00		3.60	4.70					
Date Sampled	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	09-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4A	4ABE	4AE	5A	4ABE	4ABE			
% Stones >10mm$_A$	28.3	<0.1	43.2	<0.1	<0.1	<0.1	16.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	-	7.32	9.44	-	7.98	8.61	8.32	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	-	1620	264	-	55	47	44	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	-	<1	3	-	3	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	-	<0.2	<0.2	-	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	-	0.0089	0.0215	-	0.0183	0.0706	0.0763	N/A	0.0003	A-T-032 FOC
Antimony$_D$	-	<5	<5	-	<5	7	5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	-	2	25	-	647	361	62	mg/kg	1	A-T-024s
Barium$_D$	-	35	112	-	88	262	242	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	-	<0.5	<0.5	-	1.0	1.5	1.6	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	-	<1.0	<1.0	-	<1.0	<1.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	-	0.7	1.2	-	0.9	14.4	2.3	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	-	11	36	-	51	167	102	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	-	9	23	-	17	103	18	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	-	<1	<1	-	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	-	9	23	-	17	103	18	mg/kg	1	Calc
Lead$_D$$^{M\#}$	-	23	248	-	210	656	361	mg/kg	1	A-T-024s
Mercury$_D$	-	<0.17	0.31	-	<0.17	0.76	0.94	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	-	<1	<1	-	2	4	4	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	-	8	11	-	19	40	37	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	-	<1	1	-	1	2	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	-	13	14	-	20	35	34	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	-	22	273	-	48	1690	379	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	*	*	-	*	-	-	-			A-T-001
pH (leachable)$_A$$^{\#}$	7.80	7.63	-	8.17	-	-	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	1600	1530	-	31.94	-	-	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	9.5	0.6	-	9.9	-	-	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	4	<1	-	23	-	-	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	14	<1	-	1560	-	-	-	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	509	83	-	136	-	-	-	µg/l	10	A-T-025w

Lab Sample ID	20/09678/3	20/09678/4	20/09678/5	20/09678/6	20/09678/7	20/09678/8	20/09679/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH310	PH310	WS315	PH303	PH303	PH302	PH301A			
Depth to Top	0.50	1.20	0.90	2.90	4.40	0.40	0.50			
Depth To Bottom		2.00		3.60	4.70					
Date Sampled	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	09-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4A	4ABE	4AE	5A	4ABE	4ABE			
Barium (leachable)$_A^{\#}$	39	14	-	82	-	-	-	µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	50	7	-	21	-	-	-	µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	10	<1	-	1	-	-	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	<0.10	<0.10	-	<0.05	-	-	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	<0.05	<0.05	-	<0.05	-	-	-	mg/l	0.05	Calc
Mercury (leachable)$_A^{\#}$	<0.1	<0.1	-	<0.1	-	-	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	20	<1	-	304	-	-	-	µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	2	<1	-	12	-	-	-	µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	5	2	-	<1	-	-	-	µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	4	<1	-	3	-	-	-	µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	14	3	-	5	-	-	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-006w
Styrene (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09678/3	20/09678/4	20/09678/5	20/09678/6	20/09678/7	20/09678/8	20/09679/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH310	PH310	WS315	PH303	PH303	PH302	PH301A			
Depth to Top	0.50	1.20	0.90	2.90	4.40	0.40	0.50			
Depth To Bottom		2.00		3.60	4.70					
Date Sampled	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	09-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4A	4ABE	4AE	5A	4ABE	4ABE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	-	-	-	NAD	-	Chrysotile	NAD			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-	Cement	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	-	-	-	N/A	-	NO	N/A			A-T-045

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09678/3	20/09678/4	20/09678/5	20/09678/6	20/09678/7	20/09678/8	20/09679/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH310	PH310	WS315	PH303	PH303	PH302	PH301A			
Depth to Top	0.50	1.20	0.90	2.90	4.40	0.40	0.50			
Depth To Bottom		2.00		3.60	4.70					
Date Sampled	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	09-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4A	4ABE	4AE	5A	4ABE	4ABE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	-	<0.01	0.03	-	<0.01	0.21	0.07	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	-	<0.01	<0.01	-	<0.01	0.02	0.05	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	-	<0.02	0.04	-	<0.02	0.34	0.18	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	-	<0.04	0.08	-	<0.04	0.89	0.50	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	-	<0.04	0.06	-	<0.04	0.79	0.54	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	-	<0.05	0.08	-	<0.05	0.97	0.75	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	-	<0.05	<0.05	-	<0.05	0.42	0.80	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	-	<0.07	<0.07	-	<0.07	0.32	0.26	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	-	<0.06	0.09	-	<0.06	1.01	0.53	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	-	<0.04	<0.04	-	<0.04	0.09	0.07	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	-	<0.08	0.19	-	<0.08	2.19	1.12	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	-	<0.01	0.02	-	<0.01	0.15	0.08	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	-	<0.03	0.04	-	<0.03	0.46	0.57	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	-	<0.03	<0.03	-	<0.03	0.27	0.11	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	-	<0.03	0.21	-	<0.03	1.58	0.74	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	-	<0.07	0.18	-	<0.07	2.17	1.04	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	-	<0.08	1.02	-	<0.08	11.9	7.41	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09678/3	20/09678/4	20/09678/5	20/09678/6	20/09678/7	20/09678/8	20/09679/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH310	PH310	WS315	PH303	PH303	PH302	PH301A			
Depth to Top	0.50	1.20	0.90	2.90	4.40	0.40	0.50			
Depth To Bottom		2.00		3.60	4.70					
Date Sampled	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	09-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4A	4ABE	4AE	5A	4ABE	4ABE			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	<0.02	<0.02	-	0.08	-	-	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	<0.02	<0.02	-	<0.02	-	-	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	<0.02	<0.02	-	0.07	-	-	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	<0.02	<0.02	-	0.15	-	-	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09678/3	20/09678/4	20/09678/5	20/09678/6	20/09678/7	20/09678/8	20/09679/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH310	PH310	WS315	PH303	PH303	PH302	PH301A			
Depth to Top	0.50	1.20	0.90	2.90	4.40	0.40	0.50			
Depth To Bottom		2.00		3.60	4.70					
Date Sampled	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	09-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4A	4ABE	4AE	5A	4ABE	4ABE			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	<0.002	<0.002	-	<0.002	-	-	-	µg/l	0.002	A-T-004w

Lab Sample ID	20/09678/3	20/09678/4	20/09678/5	20/09678/6	20/09678/7	20/09678/8	20/09679/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH310	PH310	WS315	PH303	PH303	PH302	PH301A			
Depth to Top	0.50	1.20	0.90	2.90	4.40	0.40	0.50			
Depth To Bottom		2.00		3.60	4.70					
Date Sampled	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	09-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4A	4ABE	4AE	5A	4ABE	4ABE			
VOC										
Dichlorodifluoromethane$_{A}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	-	-	-	-	<10	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	-	-	-	-	*<1*	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	-	-	-	-	<5	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	-	-	-	-	<5	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	-	-	-	-	<2	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	-	-	-	-	<10	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s

Lab Sample ID	20/09678/3	20/09678/4	20/09678/5	20/09678/6	20/09678/7	20/09678/8	20/09679/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH310	PH310	WS315	PH303	PH303	PH302	PH301A			
Depth to Top	0.50	1.20	0.90	2.90	4.40	0.40	0.50			
Depth To Bottom		2.00		3.60	4.70					
Date Sampled	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	09-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4A	4ABE	4AE	5A	4ABE	4ABE			
Tetrachloroethene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	-	-	-	-	-	-	<3	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Chlorobenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Styrene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Bromoform$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	-	-	-	-	-	-	<2	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	-	-	-	-	-	-	<2	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	-	-	-	-	-	-	<3	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	-	-	-	-	-	-	<1	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	-	-	-	-	-	-	<3	µg/kg	3	A-T-006s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09678/3	20/09678/4	20/09678/5	20/09678/6	20/09678/7	20/09678/8	20/09679/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH310	PH310	WS315	PH303	PH303	PH302	PH301A			
Depth to Top	0.50	1.20	0.90	2.90	4.40	0.40	0.50			
Depth To Bottom		2.00		3.60	4.70					
Date Sampled	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	09-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4A	4ABE	4AE	5A	4ABE	4ABE			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	<10	<10	-	<20	-	-	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	<10	<10	-	<10	-	-	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	<10	<10	-	<10	-	-	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	<10	<10	-	<10	-	-	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	<20	<20	-	<20	-	-	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	<10	<10	-	<10	-	-	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	<20	<20	-	<20	-	-	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	<50	<50	-	<50	-	-	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	<10	<10	-	<10	-	-	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	<10	<10	-	<10	-	-	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	<10	<10	-	<10	-	-	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	<10	<10	-	<10	-	-	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	<50	<50	-	<50	-	-	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	<50	<50	-	<50	-	-	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	<1	<1	-	<1	-	-	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	<20	<20	-	<20	-	-	-	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09678/3	20/09678/4	20/09678/5	20/09678/6	20/09678/7	20/09678/8	20/09679/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH310	PH310	WS315	PH303	PH303	PH302	PH301A			
Depth to Top	0.50	1.20	0.90	2.90	4.40	0.40	0.50			
Depth To Bottom		2.00		3.60	4.70					
Date Sampled	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	10-Nov-20	09-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	4A	4ABE	4AE	5A	4ABE	4ABE			
TPH UKCWG										
Ali >C5-C6$_A$ #	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A$ #	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	-	-	<1	<1	2	mg/kg	1	A-T-055s
Ali >C10-C12$_A$ M#	-	<1	-	-	<1	<1	2	mg/kg	1	A-T-055s
Ali >C12-C16$_A$ M#	-	13	-	-	<1	12	21	mg/kg	1	A-T-055s
Ali >C16-C21$_A$ M#	-	23	-	-	<1	14	60	mg/kg	1	A-T-055s
Ali >C21-C35$_A$ M#	-	17	-	-	4	352	172	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	<1	-	-	<1	87	7	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	53	-	-	4	465	264	mg/kg	1	A-T-055s
Aro >C5-C7$_A$ #	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A$ #	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	1	-	-	1	2	5	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	<1	-	-	<1	1	8	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	5	-	-	1	12	53	mg/kg	1	A-T-055s
Aro >C16-C21$_A$ M#	-	7	-	-	3	25	193	mg/kg	1	A-T-055s
Aro >C21-C35$_A$ M#	-	2	-	-	10	231	191	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	<1	-	-	<1	120	8	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	15	-	-	15	391	459	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	68	-	-	19	856	723	mg/kg	1	A-T-055s
BTEX - Benzene$_A$ #	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A$ #	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A$ #	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A$ #	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A$ #	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A$ #	-	<0.01	-	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

envirolab

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09679/2	20/09679/3	20/09679/4	20/09679/5	20/09679/6	20/09777/1	20/09778/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH301A	PH304	PH305	PH305	PH306	Plot L	PH317			
Depth to Top	1.90	1.00	0.70	2.70	1.40	0.20	0.50			
Depth To Bottom	2.30			2.90	1.80		0.60			
Date Sampled	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	13-Nov-20	13-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4ABE	4A	5A	4AB	6AE	4B			
% Stones >10mm$_A$	3.6	2.2	4.5	2.3	1.9	9.0	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.36	8.72	8.36	8.00	11.68	7.96	11.09	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	38	685	177	359	116	1480	384	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	51	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.1093	0.0110	0.0613	0.0105	0.0494	0.0557	0.0605	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	305	7	<5	10	10	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	202	1550	87	11	40	9	13	mg/kg	1	A-T-024s
Barium$_D$	193	179	136	78	149	462	329	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	3.8	1.2	0.9	0.7	1.0	0.7	2.4	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	1.1	<1.0	1.2	1.1	1.4	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	2.1	0.9	0.9	1.1	0.8	1.2	0.9	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	265	101	53	47	71	551	108	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	36	56	96	24	28	29	29	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	36	56	96	24	28	29	29	mg/kg	1	Calc
Lead$_D$$^{M\#}$	642	11400	535	90	332	268	456	mg/kg	1	A-T-024s
Mercury$_D$	0.93	1.54	<0.17	<0.17	1.20	1.34	1.14	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	6	<1	2	<1	<1	<1	7	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	63	20	28	21	18	21	46	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	47	26	25	28	21	25	56	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	456	397	60	48	216	425	262	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	*	*	*	-	*	-	-			A-T-001
pH (leachable)$_A$$^{\#}$	8.27	7.36	8.00	-	10.15	-	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	23.74	501.48	65.63	-	23.82	-	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	6.0	3.0	0.6	-	18.2	-	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	2	545	2	-	20	-	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	8	1510	8	-	41	-	-	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	53	89	96	-	20	-	-	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09679/2	20/09679/3	20/09679/4	20/09679/5	20/09679/6	20/09777/1	20/09778/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH301A	PH304	PH305	PH305	PH306	Plot L	PH317			
Depth to Top	1.90	1.00	0.70	2.70	1.40	0.20	0.50			
Depth To Bottom	2.30			2.90	1.80		0.60			
Date Sampled	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	13-Nov-20	13-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4ABE	4A	5A	4AB	6AE	4B			
Barium (leachable)$_{A}^{\#}$	56	24	45	-	21	-	-	µg/l	1	A-T-025w
Beryllium (leachable)$_{A}^{\#}$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-025w
Cadmium (leachable)$_{A}^{\#}$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	19	22	18	-	230	-	-	µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	7	11	16	-	100	-	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	<0.05	<0.05	<0.05	-	<0.25	-	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	<0.05	<0.05	<0.05	-	0.10	-	-	mg/l	0.05	Calc
Mercury (leachable)$_{A}^{\#}$	<0.1	<0.1	<0.1	-	<0.1	-	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_{A}^{\#}$	34	21	33	-	46	-	-	µg/l	1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	2	<1	<1	-	7	-	-	µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	1	2	<1	-	1	-	-	µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	<1	1	<1	-	80	-	-	µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	10	4	3	-	2	-	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_{A}$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_{A}$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_{A}$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-006w
Styrene (leachable)$_{A}$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_{A}$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_{A}$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09679/2	20/09679/3	20/09679/4	20/09679/5	20/09679/6	20/09777/1	20/09778/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH301A	PH304	PH305	PH305	PH306	Plot L	PH317			
Depth to Top	1.90	1.00	0.70	2.70	1.40	0.20	0.50			
Depth To Bottom	2.30			2.90	1.80		0.60			
Date Sampled	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	13-Nov-20	13-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4ABE	4A	5A	4AB	6AE	4B			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	-	-	-	-	-	NAD	Chrysotile			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-	-	Loose Insulation			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	-	-	-	-	-	N/A	N/A			A-T-045

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09679/2	20/09679/3	20/09679/4	20/09679/5	20/09679/6	20/09777/1	20/09778/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH301A	PH304	PH305	PH305	PH306	Plot L	PH317			
Depth to Top	1.90	1.00	0.70	2.70	1.40	0.20	0.50			
Depth To Bottom	2.30			2.90	1.80		0.60			
Date Sampled	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	13-Nov-20	13-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4ABE	4A	5A	4AB	6AE	4B			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.01	0.14	<0.01	<0.01	0.01	0.09	0.56	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.02	0.35	<0.01	<0.01	0.02	<0.01	0.05	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.05	0.44	<0.02	<0.02	0.05	0.19	0.80	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.20	3.68	0.11	0.06	0.27	0.58	2.13	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.21	4.36	0.16	<0.04	0.24	0.53	1.90	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.27	4.78	0.16	0.06	0.26	0.67	2.59	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.12	2.29	0.13	<0.05	0.14	0.42	1.06	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.10	1.81	<0.07	<0.07	<0.07	0.25	0.91	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.27	3.95	0.14	<0.06	0.27	0.67	2.22	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	0.56	<0.04	<0.04	<0.04	0.08	0.21	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.27	6.21	0.13	0.11	0.47	1.33	5.46	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.01	0.12	<0.01	<0.01	0.02	0.05	0.35	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.13	2.79	0.13	<0.03	0.17	0.44	1.22	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.04	0.15	<0.03	<0.03	<0.03	<0.03	0.25	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.28	2.09	0.08	0.08	0.31	0.80	3.99	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.28	6.20	0.15	0.12	0.44	1.21	4.84	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	2.26	39.9	1.19	0.43	2.67	7.31	28.5	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09679/2	20/09679/3	20/09679/4	20/09679/5	20/09679/6	20/09777/1	20/09778/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH301A	PH304	PH305	PH305	PH306	Plot L	PH317			
Depth to Top	1.90	1.00	0.70	2.70	1.40	0.20	0.50			
Depth To Bottom	2.30			2.90	1.80		0.60			
Date Sampled	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	13-Nov-20	13-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4ABE	4A	5A	4AB	6AE	4B			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	<0.02	<0.02	<0.02	-	<0.02	-	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09679/2	20/09679/3	20/09679/4	20/09679/5	20/09679/6	20/09777/1	20/09778/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH301A	PH304	PH305	PH305	PH306	Plot L	PH317			
Depth to Top	1.90	1.00	0.70	2.70	1.40	0.20	0.50			
Depth To Bottom	2.30			2.90	1.80		0.60			
Date Sampled	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	13-Nov-20	13-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4ABE	4A	5A	4AB	6AE	4B			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	<0.002	<0.002	<0.002	-	<0.002	-	-	µg/l	0.002	A-T-004w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09679/2	20/09679/3	20/09679/4	20/09679/5	20/09679/6	20/09777/1	20/09778/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH301A	PH304	PH305	PH305	PH306	Plot L	PH317			
Depth to Top	1.90	1.00	0.70	2.70	1.40	0.20	0.50			
Depth To Bottom	2.30			2.90	1.80		0.60			
Date Sampled	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	13-Nov-20	13-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4ABE	4A	5A	4AB	6AE	4B			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	<10	<10	<10	-	<10	-	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	<10	<10	<10	-	<10	-	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	<10	<10	<10	-	<10	-	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	<10	<10	<10	-	<10	-	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	<20	<20	<20	-	<20	-	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	<10	<10	<10	-	<10	-	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	<20	<20	<20	-	<20	-	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	22	10	<10	-	<10	-	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	<10	<10	<10	-	<10	-	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	<10	<10	<10	-	<10	-	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	17	<10	<10	-	<10	-	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	<10	<10	<10	-	<10	-	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	39	<20	<20	-	<20	-	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	39	<20	<20	-	<20	-	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	<1	<1	<1	-	<1	-	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	<20	<20	<20	-	<20	-	-	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09679/2	20/09679/3	20/09679/4	20/09679/5	20/09679/6	20/09777/1	20/09778/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH301A	PH304	PH305	PH305	PH306	Plot L	PH317			
Depth to Top	1.90	1.00	0.70	2.70	1.40	0.20	0.50			
Depth To Bottom	2.30			2.90	1.80		0.60			
Date Sampled	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	09-Nov-20	13-Nov-20	13-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4ABE	4A	5A	4AB	6AE	4B			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	-	-	<0.01	-	-	0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	-	-	<1	-	-	2	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	-	-	<1	-	-	1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	-	-	<1	-	-	2	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	-	-	<1	-	-	4	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	-	-	2	-	-	14	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	-	-	<1	-	-	2	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	-	-	2	-	-	26	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	-	-	<1	-	-	6	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	-	-	<1	-	-	4	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	-	-	1	-	-	15	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	-	-	2	-	-	60	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	-	-	8	-	-	179	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	-	-	<1	-	-	4	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	-	-	12	-	-	267	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	-	-	14	-	-	293	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	-	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
% Stones >10mm$_A$	<0.1	<0.1	1.0	<0.1	20.5	<0.1	14.3	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	9.43	7.74	8.55	9.68	8.66	7.63	8.60	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	387	105	<10	117	121	<10	22	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	1	<1	<1	9	13	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0472	0.0274	0.0194	0.0148	0.0081	0.0036	0.0148	N/A	0.0003	A-T-032 FOC
Antimony$_D$	24	<5	<5	11	<5	<5	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	39	22	23	6	3	2	23	mg/kg	1	A-T-024s
Barium$_D$	970	106	116	203	67	72	129	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	1.2	1.6	1.9	<0.5	0.6	<0.5	1.4	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.7	3.2	<1.0	<1.0	1.7	1.3	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	2.1	0.6	0.6	1.1	0.7	0.7	0.9	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	936	57	102	42	14	5	45	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	47	21	26	21	14	13	19	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	47	21	26	21	14	13	19	mg/kg	1	Calc
Lead$_D$$^{M\#}$	1480	227	263	129	25	8	234	mg/kg	1	A-T-024s
Mercury$_D$	2.25	<0.17	0.76	0.23	<0.17	<0.17	0.34	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	3	2	2	2	2	<1	2	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	41	29	31	13	13	13	18	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	46	33	33	18	16	14	25	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	795	73	85	127	48	32	51	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	*	-	-	-	-	-	*			A-T-001
pH (leachable)$_A$$^{\#}$	7.44	-	-	-	-	-	7.94	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	1550	-	-	-	-	-	37.34	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	8.9	-	-	-	-	-	1.5	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	62	-	-	-	-	-	3	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	10	-	-	-	-	-	7	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	125	-	-	-	-	-	29	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
Barium (leachable)$_A^{\#}$	38	-	-	-	-	-	37	µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	<1	-	-	-	-	-	<1	µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	<1	-	-	-	-	-	<1	µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	66	-	-	-	-	-	6	µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	124	-	-	-	-	-	5	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	0.08	-	-	-	-	-	<0.05	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	<0.05	-	-	-	-	-	<0.05	mg/l	0.05	Calc
Mercury (leachable)$_A^{\#}$	<0.1	-	-	-	-	-	<0.1	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	32	-	-	-	-	-	22	µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	2	-	-	-	-	-	<1	µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	3	-	-	-	-	-	<1	µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	6	-	-	-	-	-	3	µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	2	-	-	-	-	-	1	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-006w
Styrene (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	Chrysotile	NAD	NAD	NAD	NAD	-	NAD			A-T-045
Asbestos Matrix (microscope)$_{D}$	Loose Fibres	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	-	N/A			A-T-045

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	6.65	<0.01	0.02	2.97	0.55	<0.01	1.13	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.10	<0.01	0.02	<0.01	<0.01	<0.01	0.02	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	9.64	<0.02	0.06	1.07	0.50	<0.02	2.43	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	13.6	<0.04	0.28	0.30	2.41	<0.04	2.49	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	10.7	<0.04	0.24	0.36	2.81	<0.04	1.50	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	13	<0.05	0.34	2.29	3.80	<0.05	1.51	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	5.46	<0.05	0.14	0.83	1.96	<0.05	0.42	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	4.35	<0.07	0.11	0.30	1.26	<0.07	0.61	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	14.8	<0.06	0.30	1.59	2.86	<0.06	2.25	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	1.28	<0.04	<0.04	0.19	0.37	<0.04	0.15	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	34.3	<0.08	0.47	0.92	3.27	<0.08	5.28	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	5.10	<0.01	0.02	5.14	1.37	<0.01	1.13	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	6.36	<0.03	0.16	0.85	2.02	<0.03	0.58	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	6.23	<0.03	<0.03	1.17	0.07	<0.03	1.43	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	39.9	0.06	0.29	13.3	2.87	<0.03	9.38	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	28.3	<0.07	0.51	4.17	4.38	<0.07	5.43	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	200	<0.08	2.96	35.5	30.5	<0.08	35.7	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	1.90	-	-	-	-	-	0.21	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	0.07	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	0.13	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	0.10	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	0.09	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	0.12	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	0.07	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	0.04	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	0.12	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	<0.02	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	0.28	-	-	-	-	-	0.04	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	0.56	-	-	-	-	-	0.05	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	0.07	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	2.62	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	0.82	-	-	-	-	-	<0.02	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	0.24	-	-	-	-	-	0.03	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	7.23	-	-	-	-	-	0.33	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	<0.002	-	-	-	-	-	<0.002	µg/l	0.002	A-T-004w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
VOC										
Dichlorodifluoromethane$_{A}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	-	<10	<10	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	-	6	6	-	-	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	-	<5	<5	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	-	<5	<5	-	-	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	-	<2	<2	-	-	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	-	<10	<10	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	-	<1	2	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
Tetrachloroethene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_A^\#$	-	-	-	<3	<3	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Chlorobenzene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_A$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
m & p Xylene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
o-Xylene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Styrene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Bromoform$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Isopropylbenzene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_A$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
Bromobenzene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_A^\#$	-	-	-	3	<2	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_A^\#$	-	-	-	17	3	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_A^\#$	-	-	-	5	3	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_A^\#$	-	-	-	3	<1	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_A$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_A$	-	-	-	<2	<2	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_A$	-	-	-	<3	<3	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_A^\#$	-	-	-	<1	<1	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_A$	-	-	-	<3	<3	-	-	µg/kg	3	A-T-006s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	<10	-	-	-	-	-	<10	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	<10	-	-	-	-	-	<10	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	<10	-	-	-	-	-	<10	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	<10	-	-	-	-	-	<10	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	<20	-	-	-	-	-	<20	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	<10	-	-	-	-	-	<10	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	<20	-	-	-	-	-	<20	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	17	-	-	-	-	-	<10	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	13	-	-	-	-	-	<10	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	39	-	-	-	-	-	<10	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	34	-	-	-	-	-	<10	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	<10	-	-	-	-	-	<10	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	103	-	-	-	-	-	<20	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	103	-	-	-	-	-	<20	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-022w
MTBE (leachable)$_A$	<1	-	-	-	-	-	<1	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	<20	-	-	-	-	-	<20	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	<0.01	0.11	0.05	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<5	<1	<1	411	11	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<5	<1	<1	1840	75	1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	11	<1	<1	7830	468	9	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	24	<1	<1	10500	476	11	1	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	216	1	4	4470	251	7	5	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	46	<1	<1	60	<5	<1	<1	mg/kg	1	A-T-055s
Total Aliphatics$_A$	296	1	4	25100	1290	28	6	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<5	<1	1	171	9	1	1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	51	<1	<1	1310	47	1	1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	297	<1	2	6700	430	11	6	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	800	<1	5	6270	432	11	25	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	1400	3	14	1050	130	6	59	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	32	<1	<1	<50	<5	<1	1	mg/kg	1	A-T-055s
Total Aromatics$_A$	2590	3	23	15400	1050	29	94	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	2870	4	27	40500	2340	58	101	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
SVOC										
4-Bromophenyl phenyl ether$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Hexachlorobenzene$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	-	-	1450	263	-	-	µg/kg	100	A-T-052s
Carbazole$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	-	-	<5000	<500	-	-	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	-	-	<1000	<500	-	-	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Phenol$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	-	-	<5000	<500	-	-	µg/kg	500	A-T-052s

Lab Sample ID	20/09778/2	20/09778/3	20/09778/4	20/09778/5	20/09778/6	20/09778/7	20/09838/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH317	WS327	WS318	WS328	WS328	WS328	PH307			
Depth to Top	3.60	1.40	1.50	0.60	1.00	1.80	0.50			
Depth To Bottom	3.85	1.50	1.60	0.70	1.30	2.00	0.70			
Date Sampled	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	13-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4ABE	5A	4A	7	5AB	5A	4A			
n-Dibutylphthalate$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Isophorone$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Hexachloroethane$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	-	-	<1000	<100	-	-	µg/kg	100	A-T-052s
Perylene$_A$	-	-	-	<1000	456	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
% Stones >10mm$_A$	7.4	21.9	<0.1	<0.1	<0.1	5.8	11.7	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.65	8.66	8.70	9.55	8.22	8.35	8.13	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	10	<10	251	96	91	14	15	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	304	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0704	0.0143	0.0072	0.0059	0.1128	0.0428	0.0685	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	<5	<5	<5	11	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	19	12	5	15	4	27	27	mg/kg	1	A-T-024s
Barium$_D$	77	118	646	482	495	731	192	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	1.0	0.5	0.7	0.5	<0.5	1.4	2.8	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	<1.0	<1.0	15.4	<1.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	1.4	0.9	1.8	1.4	0.8	2.2	1.3	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	140	70	24	32	122	341	263	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	56	23	20	14	167	19	11	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	56	23	20	14	167	19	11	mg/kg	1	Calc
Lead$_D$$^{M\#}$	941	654	139	148	220	879	106	mg/kg	1	A-T-024s
Mercury$_D$	0.30	<0.17	0.47	1.00	0.35	16.3	0.96	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	2	<1	<1	1	<1	3	4	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	23	15	21	15	77	30	33	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	1	1	<1	2	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	20	12	22	20	16	26	25	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	67	40	116	210	1380	610	109	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	-	-	*	-	-	-	*			A-T-001
pH (leachable)$_A$$^{\#}$	-	-	7.78	-	-	-	8.12	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	-	-	220.82	-	-	-	14.21	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	-	-	0.4	-	-	-	0.5	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	-	-	5	-	-	-	5	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	-	-	1	-	-	-	4	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	-	-	69	-	-	-	30	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
Barium (leachable)$_A^{\#}$	-	-	39	-	-	-	44	µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	-	-	<1	-	-	-	<1	µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	-	-	<1	-	-	-	<1	µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	-	-	<1	-	-	-	3	µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	-	-	4	-	-	-	<1	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	-	-	<0.05	-	-	-	<0.05	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	-	-	<0.05	-	-	-	<0.05	mg/l	0.05	Calc
Mercury (leachable)$_A^{\#}$	-	-	<0.1	-	-	-	<0.1	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	-	-	12	-	-	-	24	µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	-	-	<1	-	-	-	<1	µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	-	-	<1	-	-	-	<1	µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	-	-	1	-	-	-	2	µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	-	-	<1	-	-	-	2	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-006w
Styrene (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	Chrysotile & Amosite	Chrysotile & Amosite	NAD	NAD	NAD			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	Loose Fibres	Loose Fibres & Board	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	No	N/A	N/A	N/A			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	-	<0.001	0.062	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.03	<0.01	0.06	3.45	11.5	0.69	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	0.95	2.89	0.02	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.04	<0.02	0.07	183	14.4	1.56	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.07	<0.04	0.14	2.70	13.4	4.87	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.08	<0.04	0.17	97.6	4.73	3.31	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.07	<0.05	0.17	18.9	8.28	4.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	0.09	15.4	<2.50	1.73	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	0.09	19.4	<3.50	1.18	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.11	<0.06	0.20	0.91	31.1	3.56	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	12.5	<2.00	0.41	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.16	<0.08	0.30	10	13.6	10.2	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.02	<0.01	0.03	1.61	22.5	0.47	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	0.11	19.1	<1.50	2.77	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.06	<0.03	0.06	44.8	66.4	0.08	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.19	<0.03	0.27	0.42	72.8	6.72	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.18	<0.07	0.33	5.02	18.2	8.68	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	1.01	<0.08	2.09	436	280	50.3	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	-	-	0.06	-	-	-	0.02	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	-	-	0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	-	-	0.06	-	-	-	<0.02	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	-	-	<0.02	-	-	-	<0.02	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	-	-	0.14	-	-	-	0.02	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	-	-	<0.002	-	-	-	<0.002	µg/l	0.002	A-T-004w

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
VOC										
Dichlorodifluoromethane$_{A}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	-	-	<50	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	-	-	<25	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	-	-	<25	-	-	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	-	-	<10	-	-	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	-	-	<50	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	-	-	15	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
Tetrachloroethene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	-	-	-	-	<15	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Chlorobenzene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	-	-	-	-	17	-	-	µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	-	-	-	-	7	-	-	µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	-	-	-	-	10	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	-	-	-	-	<10	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	-	-	-	-	19	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	-	-	-	-	17	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	-	-	-	-	<10	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	-	-	-	-	<15	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	-	-	-	-	<5	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	-	-	-	-	<15	-	-	µg/kg	3	A-T-006s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	-	-	<10	-	-	-	<10	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	-	-	<10	-	-	-	<10	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	-	-	<10	-	-	-	<10	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	-	-	<10	-	-	-	<10	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	-	-	<20	-	-	-	<20	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	-	-	<10	-	-	-	<10	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	-	-	<20	-	-	-	<20	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	-	-	<10	-	-	-	<10	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	-	-	<10	-	-	-	<10	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	-	-	<10	-	-	-	<10	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	-	-	<10	-	-	-	<10	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	-	-	<10	-	-	-	<10	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	-	-	<20	-	-	-	<20	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	-	-	<20	-	-	-	<20	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-022w
MTBE (leachable)$_A$	-	-	<1	-	-	-	<1	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	-	-	<20	-	-	-	<20	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.20	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	2	<1	<1	<1	<50	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	2	<1	<1	<1	<50	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	4	<1	<1	<1	191	2	1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	2	<1	1	2	659	6	3	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	6	<1	9	15	1920	46	27	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	<1	<1	2	2	<50	5	2	mg/kg	1	A-T-055s
Total Aliphatics$_A$	17	<1	12	20	<2500	59	33	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.17	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	2	<1	1	1	<50	2	1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	2	<1	<1	<1	347	4	2	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	9	<1	1	3	3080	15	3	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	13	<1	2	12	1430	22	4	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	29	<1	7	38	6960	94	20	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	<1	<1	2	2	85	5	2	mg/kg	1	A-T-055s
Total Aromatics$_A$	56	<1	13	56	11900	142	33	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	73	2	25	76	14700	200	67	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.17	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.09	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.30	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.15	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
SVOC										
4-Bromophenyl phenyl ether$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Hexachlorobenzene$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	-	-	-	1420	-	-	µg/kg	100	A-T-052s
Carbazole$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	-	-	-	<5000	-	-	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	-	-	-	66800	-	-	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	-	-	-	8720	-	-	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	-	-	-	18700	-	-	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	-	-	-	2570	-	-	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Phenol$_A$	-	-	-	-	26400	-	-	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	-	-	-	<5000	-	-	µg/kg	500	A-T-052s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/2	20/09838/3	20/09838/4	20/09838/5	20/09838/6	20/09838/7	20/09838/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH307	PH307	PH309	PH309	PH311	PH313	PH313			
Depth to Top	1.30	2.20	0.30	1.30	0.40	1.40	2.50			
Depth To Bottom	1.40	2.40	0.50	1.40	0.55	1.80	2.60			
Date Sampled	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20	12-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES			
Sample Matrix Code	4A	4AB	4A	4AB	7	5A	4A			
n-Dibutylphthalate$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Isophorone$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Hexachloroethane$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s
Perylene$_A$	-	-	-	-	<1000	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/9	20/09839/1	20/09839/2	20/09839/3	20/09839/4	20/09839/5	20/09839/6	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS316	WS331	WS331	WS326	WS326	PH315	PH315			
Depth to Top	0.30	0.20	0.80	0.40	1.40	0.80	1.90			
Depth To Bottom	0.50									
Date Sampled	12-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4A	5A	4ABE	5A	4B	5AE			
% Stones >10mm$_A$	16.9	3.9	<0.1	4.3	0.8	56.8	1.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	9.54	8.19	8.39	8.42	8.07	-	8.37	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	70	30	20	30	24	-	52	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1	<1	-	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	-	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0175	0.2068	0.0153	0.0319	0.0658	-	0.0103	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	15	<5	<5	<5	-	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	14	30	9	19	21	-	3	mg/kg	1	A-T-024s
Barium$_D$	224	352	111	120	136	-	58	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	0.8	2.1	1.0	1.3	1.5	-	<0.5	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	1.2	<1.0	<1.0	-	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.8	1.9	0.9	1.1	1.1	-	0.7	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	50	113	21	58	62	-	7	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	14	22	25	17	15	-	9	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	-	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	14	22	25	17	15	-	9	mg/kg	1	Calc
Lead$_D$$^{M\#}$	210	345	48	202	101	-	11	mg/kg	1	A-T-024s
Mercury$_D$	0.58	1.49	<0.17	0.55	0.84	-	<0.17	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	2	2	2	2	4	-	<1	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	15	29	20	22	25	-	12	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	2	1	<1	<1	-	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	22	42	26	27	29	-	11	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	178	796	63	127	55	-	29	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	-	-	*	-	-	-	-			A-T-001
Leachate Prep BS EN 12457-1 (2:1) (2 no)$_A$	-	-	-	-	-	*	-			A-T-001
pH (leachable)$_A$$^{\#}$	-	-	8.04	-	-	7.53	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	-	-	14.8	-	-	178.90	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	-	-	1.7	-	-	4.2	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	-	-	<1	-	-	2	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	-	-	1	-	-	8	-	µg/l	1	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/9	20/09839/1	20/09839/2	20/09839/3	20/09839/4	20/09839/5	20/09839/6	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS316	WS331	WS331	WS326	WS326	PH315	PH315			
Depth to Top	0.30	0.20	0.80	0.40	1.40	0.80	1.90			
Depth To Bottom	0.50									
Date Sampled	12-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4A	5A	4ABE	5A	4B	5AE			
Boron (leachable)$_{A}^{\#}$	-	-	207	-	-	124	-	µg/l	10	A-T-025w
Barium (leachable)$_{A}^{\#}$	-	-	25	-	-	33	-	µg/l	1	A-T-025w
Beryllium (leachable)$_{A}^{\#}$	-	-	<1	-	-	<1	-	µg/l	1	A-T-025w
Cadmium (leachable)$_{A}^{\#}$	-	-	<1	-	-	<1	-	µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	-	-	2	-	-	2	-	µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	-	-	1	-	-	2	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	-	-	<0.05	-	-	<0.05	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	-	-	<0.05	-	-	<0.05	-	mg/l	0.05	Calc
Lead (leachable)$_{A}^{\#}$	-	-	-	-	-	<1	-	µg/l	1	A-T-025w
Mercury (leachable)$_{A}^{\#}$	-	-	<0.1	-	-	0.1	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_{A}^{\#}$	-	-	20	-	-	22	-	µg/l	1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	-	-	<1	-	-	<1	-	µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	-	-	1	-	-	8	-	µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	-	-	<1	-	-	2	-	µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	-	-	3	-	-	2	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_{A}$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_{A}$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_{A}$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
Styrene (leachable)$_{A}$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_{A}$	-	-	<1	-	-	<1	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_{A}$	-	-	<1	-	-	<1	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/9	20/09839/1	20/09839/2	20/09839/3	20/09839/4	20/09839/5	20/09839/6	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS316	WS331	WS331	WS326	WS326	PH315	PH315			
Depth to Top	0.30	0.20	0.80	0.40	1.40	0.80	1.90			
Depth To Bottom	0.50									
Date Sampled	12-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4A	5A	4ABE	5A	4B	5AE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD	-	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	-	N/A			A-T-045

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/9	20/09839/1	20/09839/2	20/09839/3	20/09839/4	20/09839/5	20/09839/6	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS316	WS331	WS331	WS326	WS326	PH315	PH315			
Depth to Top	0.30	0.20	0.80	0.40	1.40	0.80	1.90			
Depth To Bottom	0.50									
Date Sampled	12-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4A	5A	4ABE	5A	4B	5AE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	0.31	0.01	4.84	<0.01	-	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	0.04	<0.01	0.21	<0.01	-	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.03	0.45	<0.02	6.80	<0.02	-	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.08	1.77	0.05	10.1	<0.04	-	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.06	1.69	<0.04	8.31	<0.04	-	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.08	2.33	<0.05	9.64	<0.05	-	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	1.14	<0.05	4.16	<0.05	-	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	0.74	<0.07	3.42	<0.07	-	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.10	2.00	<0.06	9.63	<0.06	-	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	0.25	<0.04	0.81	<0.04	-	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.20	3.96	0.12	33.7	<0.08	-	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	0.20	<0.01	3.83	<0.01	-	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.06	1.19	<0.03	4.77	<0.03	-	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	0.07	<0.03	1.69	<0.03	-	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.24	2.52	0.12	30.7	0.06	-	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.17	3.72	0.11	30.9	<0.07	-	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	1.02	22.4	0.41	164	<0.08	-	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/9	20/09839/1	20/09839/2	20/09839/3	20/09839/4	20/09839/5	20/09839/6	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS316	WS331	WS331	WS326	WS326	PH315	PH315			
Depth to Top	0.30	0.20	0.80	0.40	1.40	0.80	1.90			
Depth To Bottom	0.50									
Date Sampled	12-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4A	5A	4ABE	5A	4B	5AE			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	-	-	0.07	-	-	0.20	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	-	-	<0.02	-	-	0.02	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	-	-	<0.02	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	-	-	<0.02	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	-	-	<0.02	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	-	-	<0.02	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	-	-	<0.02	-	-	<0.02	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	-	-	<0.02	-	-	<0.02	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	-	-	<0.02	-	-	<0.02	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	-	-	<0.02	-	-	<0.02	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	-	-	0.03	-	-	0.02	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	-	-	0.04	-	-	0.07	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	-	-	<0.02	-	-	<0.02	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	-	-	0.08	-	-	0.29	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	-	-	0.05	-	-	0.10	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	-	-	<0.02	-	-	<0.02	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	-	-	0.27	-	-	0.70	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/9	20/09839/1	20/09839/2	20/09839/3	20/09839/4	20/09839/5	20/09839/6	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS316	WS331	WS331	WS326	WS326	PH315	PH315			
Depth to Top	0.30	0.20	0.80	0.40	1.40	0.80	1.90			
Depth To Bottom	0.50									
Date Sampled	12-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4A	5A	4ABE	5A	4B	5AE			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	-	-	<0.002	-	-	<0.002	-	µg/l	0.002	A-T-004w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/9	20/09839/1	20/09839/2	20/09839/3	20/09839/4	20/09839/5	20/09839/6	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS316	WS331	WS331	WS326	WS326	PH315	PH315			
Depth to Top	0.30	0.20	0.80	0.40	1.40	0.80	1.90			
Depth To Bottom	0.50									
Date Sampled	12-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4A	5A	4ABE	5A	4B	5AE			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	-	-	<20	-	-	-	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	-	-	<20	-	-	-	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	-	-	<10	-	-	-	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	-	-	<20	-	-	-	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	-	-	<20	-	-	-	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	-	-	<20	-	-	-	-	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09838/9	20/09839/1	20/09839/2	20/09839/3	20/09839/4	20/09839/5	20/09839/6	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS316	WS331	WS331	WS326	WS326	PH315	PH315			
Depth to Top	0.30	0.20	0.80	0.40	1.40	0.80	1.90			
Depth To Bottom	0.50									
Date Sampled	12-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4A	5A	4ABE	5A	4B	5AE			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	<0.01	0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1	<1	-	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1	<1	<1	-	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	1	<1	3	<1	-	<1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	5	2	<1	8	<1	-	<1	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	60	25	4	22	5	-	2	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	7	4	<1	5	1	-	<1	mg/kg	1	A-T-055s
Total Aliphatics$_A$	73	32	4	38	6	-	2	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	2	2	<1	2	1	-	<1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	2	<1	30	<1	-	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	3	6	1	103	3	-	<1	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	5	21	1	229	4	-	<1	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	30	70	5	416	10	-	1	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	7	2	<1	5	<1	-	<1	mg/kg	1	A-T-055s
Total Aromatics$_A$	48	104	7	785	18	-	1	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	120	136	11	823	24	-	3	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09839/7	20/09839/8	20/09839/9	20/09839/10	20/09839/11	20/09839/12	20/09845/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH315	PH314	PH314	PH312	PH312	TR1	WS317			
Depth to Top	3.30	0.20	0.50	0.60	1.50	1.00	0.30			
Depth To Bottom	3.60									
Date Sampled	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	4A	4A	4A	4ABE	4A	4ABE	7			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	2.1	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.46	8.21	8.35	8.34	8.03	8.66	9.43	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	68	38	22	20	10	29	81	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0176	0.0357	0.0869	0.0712	0.0153	0.0981	0.0829	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	9	<5	<5	<5	21	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	17	27	17	14	17	22	13	mg/kg	1	A-T-024s
Barium$_D$	100	478	179	95	84	583	224	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	1.5	3.4	3.7	2.1	1.1	1.2	2.7	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	1.1	2.0	1.8	1.0	1.0	1.8	2.7	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	49	119	126	73	38	320	94	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	19	31	491	18	15	19	22	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	19	31	491	18	15	19	22	mg/kg	1	Calc
Lead$_D$$^{M\#}$	106	669	151	130	83	866	248	mg/kg	1	A-T-024s
Mercury$_D$	0.43	0.54	1.04	2.23	<0.17	4.21	0.73	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	1	4	7	2	1	2	5	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	24	63	66	25	22	24	77	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	1	2	1	<1	2	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	28	93	66	24	21	28	88	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	53	1180	189	52	51	749	1550	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	-	-	*	*	-	*	-			A-T-001
Leachate Prep BS EN 12457-1 (2:1) (2 no)$_A$	*	-	-	-	-	-	-			A-T-001
pH (leachable)$_A$$^{\#}$	8.00	-	7.95	7.74	-	8.12	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	61.29	-	9.36	9.92	-	76.88	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	4.6	-	1.5	0.4	-	12.5	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	<1	-	5	2	-	19	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	<1	-	6	8	-	8	-	µg/l	1	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09839/7	20/09839/8	20/09839/9	20/09839/10	20/09839/11	20/09839/12	20/09845/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH315	PH314	PH314	PH312	PH312	TR1	WS317			
Depth to Top	3.30	0.20	0.50	0.60	1.50	1.00	0.30			
Depth To Bottom	3.60									
Date Sampled	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	4A	4A	4A	4ABE	4A	4ABE	7			
Boron (leachable)$_{A}^{\#}$	158	-	23	36	-	74	-	µg/l	10	A-T-025w
Barium (leachable)$_{A}^{\#}$	40	-	24	24	-	80	-	µg/l	1	A-T-025w
Beryllium (leachable)$_{A}^{\#}$	<1	-	<1	<1	-	<1	-	µg/l	1	A-T-025w
Cadmium (leachable)$_{A}^{\#}$	<1	-	<1	<1	-	<1	-	µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	2	-	2	7	-	14	-	µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	1	-	67	1	-	<1	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	<0.05	-	0.05	<0.05	-	<0.05	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	<0.05	-	<0.05	<0.05	-	<0.05	-	mg/l	0.05	Calc
Lead (leachable)$_{A}^{\#}$	<1	-	-	-	-	-	-	µg/l	1	A-T-025w
Mercury (leachable)$_{A}^{\#}$	<0.1	-	<0.1	<0.1	-	<0.1	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_{A}^{\#}$	45	-	18	13	-	18	-	µg/l	1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	<1	-	<1	<1	-	<1	-	µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	2	-	<1	1	-	1	-	µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	<1	-	5	3	-	<1	-	µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	1	-	3	4	-	8	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_{A}$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_{A}$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_{A}$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-006w
Styrene (leachable)$_{A}$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_{A}$	<1	-	<1	<1	-	<1	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_{A}$	<1	-	<1	<1	-	<1	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09839/7	20/09839/8	20/09839/9	20/09839/10	20/09839/11	20/09839/12	20/09845/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH315	PH314	PH314	PH312	PH312	TR1	WS317			
Depth to Top	3.30	0.20	0.50	0.60	1.50	1.00	0.30			
Depth To Bottom	3.60									
Date Sampled	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	4A	4A	4A	4ABE	4A	4ABE	7			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	Amosite	-	NAD	NAD	Chrysotile	NAD			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose Fibres	-	-	-	Loose Fibres	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	-	N/A	N/A	N/A	N/A			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	<0.001	-	-	-	<0.001	-	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09839/7	20/09839/8	20/09839/9	20/09839/10	20/09839/11	20/09839/12	20/09845/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH315	PH314	PH314	PH312	PH312	TR1	WS317			
Depth to Top	3.30	0.20	0.50	0.60	1.50	1.00	0.30			
Depth To Bottom	3.60									
Date Sampled	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	4A	4A	4A	4ABE	4A	4ABE	7			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	1.57	0.11	<0.01	<0.01	4.94	0.09	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	0.24	0.01	<0.01	<0.01	0.11	0.02	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	3.02	0.18	0.03	<0.02	6.96	0.18	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	9.93	0.72	0.09	<0.04	9.46	1.27	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	7.27	0.79	0.08	<0.04	5.94	1.38	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	8.23	0.80	0.11	<0.05	7.23	1.73	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	4.41	0.39	0.06	<0.05	2.26	0.69	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	2.93	0.28	<0.07	<0.07	2.66	0.63	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	9.28	0.87	0.10	<0.06	8.71	1.53	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	1.12	0.08	<0.04	<0.04	0.66	0.12	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	23.3	1.60	0.16	<0.08	28.9	2.41	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	1.38	0.07	<0.01	<0.01	3.77	0.05	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	5.39	0.46	0.06	<0.03	3.00	0.92	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	0.36	<0.03	<0.03	<0.03	6.12	0.06	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	<0.03	12.6	0.98	0.14	<0.03	29.3	0.83	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	22.4	1.63	0.16	<0.07	24.1	2.35	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	113	8.97	0.99	<0.08	144	14.3	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09839/7	20/09839/8	20/09839/9	20/09839/10	20/09839/11	20/09839/12	20/09845/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH315	PH314	PH314	PH312	PH312	TR1	WS317			
Depth to Top	3.30	0.20	0.50	0.60	1.50	1.00	0.30			
Depth To Bottom	3.60									
Date Sampled	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	4A	4A	4A	4ABE	4A	4ABE	7			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	0.41	-	0.02	<0.02	-	0.86	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	<0.02	-	<0.02	<0.02	-	0.07	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	0.02	-	<0.02	<0.02	-	0.20	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	<0.02	-	<0.02	<0.02	-	0.20	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	<0.02	-	<0.02	<0.02	-	0.10	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	<0.02	-	<0.02	<0.02	-	0.17	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	<0.02	-	<0.02	<0.02	-	0.07	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	<0.02	-	<0.02	<0.02	-	0.07	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	<0.02	-	<0.02	<0.02	-	0.26	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	<0.02	-	<0.02	<0.02	-	<0.02	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	0.02	-	<0.02	<0.02	-	0.70	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	0.15	-	<0.02	<0.02	-	0.31	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	<0.02	-	<0.02	<0.02	-	0.07	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	0.97	-	<0.02	<0.02	-	<0.02	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	0.14	-	<0.02	<0.02	-	0.24	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	<0.02	-	<0.02	<0.02	-	0.62	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	1.71	-	0.02	<0.02	-	3.94	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09839/7	20/09839/8	20/09839/9	20/09839/10	20/09839/11	20/09839/12	20/09845/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH315	PH314	PH314	PH312	PH312	TR1	WS317			
Depth to Top	3.30	0.20	0.50	0.60	1.50	1.00	0.30			
Depth To Bottom	3.60									
Date Sampled	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	4A	4A	4A	4ABE	4A	4ABE	7			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	<0.002	-	<0.002	<0.002	-	<0.002	-	µg/l	0.002	A-T-004w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09839/7	20/09839/8	20/09839/9	20/09839/10	20/09839/11	20/09839/12	20/09845/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH315	PH314	PH314	PH312	PH312	TR1	WS317			
Depth to Top	3.30	0.20	0.50	0.60	1.50	1.00	0.30			
Depth To Bottom	3.60									
Date Sampled	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	4A	4A	4A	4ABE	4A	4ABE	7			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	-	-	<10	<10	-	<10	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	-	-	<10	<10	-	<10	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	-	-	<10	<10	-	<10	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	-	-	<10	<10	-	<10	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	-	-	<20	<20	-	<20	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	-	-	<10	<10	-	<10	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	-	-	<20	<20	-	<20	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	-	-	<10	<10	-	<10	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	-	-	<10	<10	-	<10	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	-	-	<10	<10	-	<10	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	-	-	<10	<10	-	<10	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	-	-	<10	<10	-	<10	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	-	-	<20	<20	-	<20	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	-	-	<20	<20	-	<20	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	-	-	<1	<1	-	<1	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	-	-	<20	<20	-	<20	-	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09839/7	20/09839/8	20/09839/9	20/09839/10	20/09839/11	20/09839/12	20/09845/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	PH315	PH314	PH314	PH312	PH312	TR1	WS317			
Depth to Top	3.30	0.20	0.50	0.60	1.50	1.00	0.30			
Depth To Bottom	3.60									
Date Sampled	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20	11-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	4A	4A	4A	4ABE	4A	4ABE	7			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<5	-	<1	<1	<5	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<5	-	<1	<1	<5	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	17	-	2	<1	9	1	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	<1	29	-	2	<1	15	4	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	2	920	-	7	4	144	39	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	<1	148	-	1	<1	22	11	mg/kg	1	A-T-055s
Total Aliphatics$_A$	2	1120	-	13	4	190	55	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	<1	<5	-	1	<1	<5	1	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	10	-	2	<1	21	1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	<1	72	-	6	1	187	5	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	<1	325	-	10	<1	772	10	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	2	953	-	19	1	1570	44	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	<1	70	-	<1	<1	20	13	mg/kg	1	A-T-055s
Total Aromatics$_A$	2	1430	-	39	2	2570	75	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	5	2540	-	52	6	2750	130	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
% Stones >10mm$_A$	<0.1	<0.1	<0.1	11.6	6.1	35.0	6.5	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	6.84	8.59	9.00	8.21	8.17	8.81	7.91	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	56	274	12	246	455	161	180	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	38	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0290	0.0132	0.0019	0.0423	0.0144	0.0117	0.0280	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	<5	<5	<5	<5	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	195	7	<1	9	8	7	15	mg/kg	1	A-T-024s
Barium$_D$	239	734	11	205	169	316	71	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	<0.5	0.7	<0.5	0.9	0.7	<0.5	0.7	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	<1.0	1.5	1.2	1.3	1.2	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.8	1.1	<0.5	<0.5	1.0	0.9	1.0	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	117	33	2	31	56	77	49	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	128	24	4	15	18	18	11	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	128	24	4	15	18	18	11	mg/kg	1	Calc
Lead$_D$$^{M\#}$	521	162	2	93	457	393	77	mg/kg	1	A-T-024s
Mercury$_D$	3.53	3.41	<0.17	0.47	0.38	0.36	<0.17	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	2	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	10	15	2	16	18	12	18	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	18	17	3	19	23	17	19	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	41	137	8	43	97	169	50	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	-	-	*	-	-	-	-			A-T-001
pH (leachable)$_A$$^{\#}$	-	-	7.52	-	-	-	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	-	-	17.39	-	-	-	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	-	-	11.0	-	-	-	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	-	-	7	-	-	-	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	-	-	6	-	-	-	-	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	-	-	50	-	-	-	-	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
Barium (leachable)$_A^{\#}$	-	-	22	-	-	-	-	µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	-	-	<1	-	-	-	-	µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	-	-	<1	-	-	-	-	µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	-	-	3	-	-	-	-	µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	-	-	<1	-	-	-	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	-	-	<0.10	-	-	-	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	-	-	<0.10	-	-	-	-	mg/l	0.05	Calc
Mercury (leachable)$_A^{\#}$	-	-	<0.1	-	-	-	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	-	-	3	-	-	-	-	µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	-	-	1	-	-	-	-	µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	-	-	<1	-	-	-	-	µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	-	-	7	-	-	-	-	µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	-	-	7	-	-	-	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_A$	-	-	32	-	-	-	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_A$	-	-	22	-	-	-	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_A$	-	-	40	-	-	-	-	µg/l	1	A-T-006w
Styrene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	-	-	<1	-	-	-	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	-	Chrysotile	-	NAD	NAD	NAD	-			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	Loose Fibres	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	-	N/A	-	N/A	N/A	N/A	-			A-T-045

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.16	0.16	0.88	<0.01	<0.01	0.82	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.06	0.02	0.02	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.44	0.29	0.34	<0.02	<0.02	1.06	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	1.41	1.11	<0.04	0.07	<0.04	2.13	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	1.28	1.21	<0.04	0.08	<0.04	1.89	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	1.57	1.41	<0.05	0.10	<0.05	2.23	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.66	0.90	<0.05	0.07	<0.05	1.01	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.58	0.49	<0.07	<0.07	<0.07	0.81	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	1.74	1.32	0.11	0.12	<0.06	2.14	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.17	0.19	<0.04	<0.04	<0.04	0.24	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	2.81	2.29	0.11	0.14	<0.08	4.17	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.18	0.12	3.22	<0.01	<0.01	2.03	0.02	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.81	1.01	<0.03	0.07	<0.03	1.26	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.17	0.20	3.10	<0.03	<0.03	0.63	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	2.40	1.54	5.69	0.10	0.07	5.84	0.09	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	2.98	2.14	0.44	0.15	<0.07	5.65	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	17.4	14.4	13.9	0.90	<0.08	31.9	0.11	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	-	-	67.4	-	-	-	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	-	-	0.65	-	-	-	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	-	-	15.7	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	-	-	1.53	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	-	-	<0.50	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	-	-	<0.50	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	-	-	<0.50	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	-	-	<0.50	-	-	-	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	-	-	6.47	-	-	-	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	-	-	<0.50	-	-	-	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	-	-	6.38	-	-	-	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	-	-	160	-	-	-	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	-	-	<0.50	-	-	-	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	-	-	19.9	-	-	-	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	-	-	270	-	-	-	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	-	-	28.5	-	-	-	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	-	-	577	-	-	-	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	-	-	<0.050	-	-	-	-	µg/l	0.002	A-T-004w

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
VOC										
Dichlorodifluoromethane$_{A}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Chloromethane$_{A}$	-	-	<10	-	-	-	-	µg/kg	10	A-T-006s
Vinyl Chloride (Chloroethene)$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Bromomethane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Chloroethane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Trichlorofluoromethane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Carbon Disulphide$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Dichloromethane$_{A}$	-	-	<5	-	-	-	-	µg/kg	5	A-T-006s
trans 1,2-Dichloroethene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloroethane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
cis 1,2-Dichloroethene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
2,2-Dichloropropane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Bromochloromethane$_{A}^{\#}$	-	-	<5	-	-	-	-	µg/kg	5	A-T-006s
Chloroform$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,1,1-Trichloroethane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,1-Dichloropropene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Carbon Tetrachloride$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloroethane$_{A}^{\#}$	-	-	<2	-	-	-	-	µg/kg	2	A-T-006s
Benzene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Trichloroethene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichloropropane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Dibromomethane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Bromodichloromethane$_{A}^{\#}$	-	-	<10	-	-	-	-	µg/kg	10	A-T-006s
cis 1,3-Dichloropropene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Toluene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
trans 1,3-Dichloropropene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,1,2-Trichloroethane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,3-Dichloropropane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
Tetrachloroethene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Dibromochloromethane$_{A}^{\#}$	-	-	<3	-	-	-	-	µg/kg	3	A-T-006s
1,2-Dibromoethane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Chlorobenzene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,1,1,2-Tetrachloroethane$_{A}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Ethylbenzene$_{A}^{\#}$	-	-	9	-	-	-	-	µg/kg	1	A-T-006s
m & p Xylene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
o-Xylene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Styrene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Bromoform$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Isopropylbenzene$_{A}^{\#}$	-	-	183	-	-	-	-	µg/kg	1	A-T-006s
1,1,2,2-Tetrachloroethane$_{A}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichloropropane$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
Bromobenzene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
n-Propylbenzene$_{A}^{\#}$	-	-	365	-	-	-	-	µg/kg	1	A-T-006s
2-Chlorotoluene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,3,5-Trimethylbenzene$_{A}^{\#}$	-	-	7	-	-	-	-	µg/kg	1	A-T-006s
4-Chlorotoluene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
tert-Butylbenzene$_{A}^{\#}$	-	-	15	-	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trimethylbenzene$_{A}^{\#}$	-	-	656	-	-	-	-	µg/kg	1	A-T-006s
sec-Butylbenzene$_{A}^{\#}$	-	-	360	-	-	-	-	µg/kg	1	A-T-006s
4-Isopropyltoluene$_{A}^{\#}$	-	-	148	-	-	-	-	µg/kg	1	A-T-006s
1,3-Dichlorobenzene$_{A}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,4-Dichlorobenzene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
n-Butylbenzene$_{A}^{\#}$	-	-	243	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dichlorobenzene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,2-Dibromo-3-chloropropane (DCBP)$_{A}$	-	-	<2	-	-	-	-	µg/kg	2	A-T-006s
1,2,4-Trichlorobenzene$_{A}$	-	-	<3	-	-	-	-	µg/kg	3	A-T-006s
Hexachlorobutadiene$_{A}^{\#}$	-	-	<1	-	-	-	-	µg/kg	1	A-T-006s
1,2,3-Trichlorobenzene$_{A}$	-	-	<3	-	-	-	-	µg/kg	3	A-T-006s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	-	-	<25	-	-	-	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	-	-	59	-	-	-	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	-	-	6148	-	-	-	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	-	-	12050	-	-	-	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	-	-	27780	-	-	-	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	-	-	33760	-	-	-	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	-	-	17840	-	-	-	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	-	-	<200	-	-	-	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	-	-	97640	-	-	-	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	-	-	<25	-	-	-	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	-	-	<25	-	-	-	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	-	-	2968	-	-	-	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	-	-	14800	-	-	-	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	-	-	63710	-	-	-	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	-	-	34100	-	-	-	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	-	-	311	-	-	-	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	-	-	121500	-	-	-	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	-	-	219200	-	-	-	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	-	-	<25	-	-	-	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	-	-	<25	-	-	-	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	-	-	<25	-	-	-	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	-	-	<25	-	-	-	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	-	-	<25	-	-	-	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	-	-	<25	-	-	-	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	-	-	5636	-	-	-	-	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	-	0.11	<0.01	<0.01	0.07	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	2	-	151	<1	<1	66	10	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	2	-	393	<1	1	229	82	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	6	-	1110	2	6	907	390	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	6	-	1140	3	8	1060	431	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	10	-	298	17	14	526	181	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	2	-	<10	3	<1	14	<5	mg/kg	1	A-T-055s
Total Aliphatics$_A$	29	-	3100	25	29	2800	1090	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	1	-	41	<1	<1	35	7	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	2	-	259	<1	1	201	74	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	10	-	1010	2	7	876	400	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	37	-	551	3	8	785	380	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	111	-	124	19	6	241	97	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	5	-	<10	7	<1	<10	<5	mg/kg	1	A-T-055s
Total Aromatics$_A$	166	-	1980	31	22	2140	958	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	195	-	5080	56	50	4940	2050	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	<0.01	<0.01	<0.01	0.02	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
SVOC										
4-Bromophenyl phenyl ether$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Hexachlorobenzene$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Diethyl phthalate$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Dimethyl phthalate$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Dibenzofuran$_A$	-	-	1010	-	-	-	-	µg/kg	100	A-T-052s
Carbazole$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Butylbenzyl phthalate$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-ethylhexyl)phthalate$_A$	-	-	<500	-	-	-	-	µg/kg	500	A-T-052s
Bis(2-chloroethoxy)methane$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-chloroethyl)ether$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
4-Nitrophenol$_A$	-	-	<1000	-	-	-	-	µg/kg	100	A-T-052s
3+4-Methylphenol$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
4-Chloro-3-methylphenol$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2-Nitrophenol$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2-Methylphenol$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2-Chlorophenol$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2,6-Dinitrotoluene$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dinitrotoluene$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dimethylphenol$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2,4-Dichlorophenol$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2,4,6-Trichlorophenol$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2,4,5-Trichlorophenol$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2-Chloronaphthalene$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
2-Methylnaphthalene$_A$	-	-	13300	-	-	-	-	µg/kg	100	A-T-052s
Bis(2-chloroisopropyl)ether$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Phenol$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Pentachlorophenol (SVOC)$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
n-Nitroso-n-dipropylamine$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
n-Dioctylphthalate$_A$	-	-	<500	-	-	-	-	µg/kg	500	A-T-052s

Lab Sample ID	20/09845/2	20/09874/1	20/09874/2	20/09874/3	20/09876/1	20/09876/2	20/09876/4	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS317	WS401	WS401	TP111	WS330	WS329A	WS329A			
Depth to Top	1.50	0.50	3.30	0.60	0.50	0.30	1.00			
Depth To Bottom	1.80		3.70			0.40	1.10			
Date Sampled	11-Nov-20	17-Nov-20	17-Nov-20	17-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES			
Sample Matrix Code	4AE	2ABE	4A	4A	5A	7	4AE			
n-Dibutylphthalate$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Nitrobenzene$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Isophorone$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Hexachloroethane$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Hexachlorocyclopentadiene$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s
Perylene$_A$	-	-	<100	-	-	-	-	µg/kg	100	A-T-052s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09876/5	20/09876/6	20/09876/7	20/09876/8	20/09876/9	20/09876/10	20/10260/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	Box 1	Box 2	Box 3	PH316	WS332	WS332	WS408			
Depth to Top				1.00	2.60	1.00	0.40			
Depth To Bottom					2.90	1.50				
Date Sampled	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AE	2AE	5A	5AB	4ABE	4AB			
% Stones >10mm$_A$	2.5	2.4	3.2	19.4	5.5	18.3	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.23	8.11	8.10	8.70	12.66	8.67	9.02	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	579	1320	1840	19	67	1450	45	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	10	7	1	<1	2	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0126	0.0179	0.1153	0.0125	0.0137	0.0123	0.0159	N/A	0.0003	A-T-032 FOC
Antimony$_D$	59	44	101	<5	<5	<5	12	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	13	15	13	3	291	11	10	mg/kg	1	A-T-024s
Barium$_D$	586	395	949	64	51	187	781	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	<0.5	0.6	<0.5	0.7	1.4	<0.5	<0.5	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.4	1.5	27.8	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	2.3	2.5	18.0	0.7	1.3	0.7	5.8	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	110	100	5340	26	50	18	68	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	28	27	279	15	15	8	12	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	28	27	279	15	15	8	12	mg/kg	1	Calc
Lead$_D$$^{M\#}$	750	660	1390	61	106	1150	763	mg/kg	1	A-T-024s
Mercury$_D$	0.33	0.30	31.1	<0.17	0.44	1.13	2.30	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	3	3	66	<1	2	<1	1	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	26	42	561	15	14	10	11	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	2	4	<1	4	<1	1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	35	49	60	17	24	11	14	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	385	382	5520	90	98	65	1160	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	-	-	-	*	*	-	-			A-T-001
pH (leachable)$_A$$^{\#}$	-	-	-	8.21	13.13	-	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	-	-	-	7.36	175.22	-	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	-	-	-	2.3	5.3	-	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	-	-	-	2	<5	-	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	-	-	-	2	<5	-	-	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	-	-	-	57	<50	-	-	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09876/5	20/09876/6	20/09876/7	20/09876/8	20/09876/9	20/09876/10	20/10260/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	Box 1	Box 2	Box 3	PH316	WS332	WS332	WS408			
Depth to Top				1.00	2.60	1.00	0.40			
Depth To Bottom					2.90	1.50				
Date Sampled	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AE	2AE	5A	5AB	4ABE	4AB			
Barium (leachable)$_{A}^{\#}$	-	-	-	20	229	-	-	µg/l	1	A-T-025w
Beryllium (leachable)$_{A}^{\#}$	-	-	-	<1	<5	-	-	µg/l	1	A-T-025w
Cadmium (leachable)$_{A}^{\#}$	-	-	-	<1	<5	-	-	µg/l	1	A-T-025w
Copper (leachable)$_{A}^{\#}$	-	-	-	3	5	-	-	µg/l	1	A-T-025w
Chromium (leachable)$_{A}^{\#}$	-	-	-	3	<5	-	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_{A}$	-	-	-	<0.05	<0.05	-	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	-	-	-	<0.05	<0.05	-	-	mg/l	0.05	Calc
Mercury (leachable)$_{A}^{\#}$	-	-	-	<0.1	<0.5	-	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_{A}^{\#}$	-	-	-	5	10	-	-	µg/l	1	A-T-025w
Nickel (leachable)$_{A}^{\#}$	-	-	-	<1	<5	-	-	µg/l	1	A-T-025w
Selenium (leachable)$_{A}^{\#}$	-	-	-	<1	9	-	-	µg/l	1	A-T-025w
Vanadium (leachable)$_{A}^{\#}$	-	-	-	<1	<5	-	-	µg/l	1	A-T-025w
Zinc (leachable)$_{A}^{\#}$	-	-	-	6	<5	-	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_{A}$	-	-	-	<1	<1	-	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_{A}$	-	-	-	<1	<1	-	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_{A}$	-	-	-	<1	<1	-	-	µg/l	1	A-T-006w
Styrene (leachable)$_{A}$	-	-	-	<1	<1	-	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_{A}$	-	-	-	<1	<1	-	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_{A}$	-	-	-	<1	<1	-	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09876/5	20/09876/6	20/09876/7	20/09876/8	20/09876/9	20/09876/10	20/10260/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	Box 1	Box 2	Box 3	PH316	WS332	WS332	WS408			
Depth to Top				1.00	2.60	1.00	0.40			
Depth To Bottom					2.90	1.50				
Date Sampled	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AE	2AE	5A	5AB	4ABE	4AB			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	Amosite & Chrysotile			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	-	-	-	Board & Loose Fibres			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	No			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	-	-	-	-	-	0.015	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09876/5	20/09876/6	20/09876/7	20/09876/8	20/09876/9	20/09876/10	20/10260/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	Box 1	Box 2	Box 3	PH316	WS332	WS332	WS408			
Depth to Top				1.00	2.60	1.00	0.40			
Depth To Bottom					2.90	1.50				
Date Sampled	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AE	2AE	5A	5AB	4ABE	4AB			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.22	0.12	0.05	<0.01	<0.01	0.19	0.05	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.05	0.06	0.02	<0.01	<0.01	0.02	0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.42	0.29	0.08	<0.02	<0.02	0.18	0.12	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	1.36	1.20	0.30	<0.04	0.06	0.38	0.48	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	1.17	1.09	0.36	<0.04	0.06	0.35	0.54	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	1.37	1.29	0.43	<0.05	0.07	0.45	0.81	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.91	0.82	0.35	<0.05	<0.05	0.18	0.44	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.46	0.43	0.13	<0.07	<0.07	0.16	0.24	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	1.54	1.30	0.39	<0.06	0.09	0.49	0.54	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.16	0.13	0.05	<0.04	<0.04	<0.04	0.07	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	3.12	2.19	0.55	<0.08	0.11	0.87	1.10	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.12	0.07	0.06	<0.01	<0.01	0.10	0.04	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.94	0.90	0.35	<0.03	<0.03	0.20	0.47	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.05	0.06	0.07	<0.03	<0.03	0.06	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	1.59	1.24	0.32	0.05	0.12	0.82	0.47	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	2.75	2.03	0.60	<0.07	0.12	0.73	1.12	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	16.2	13.2	4.11	<0.08	0.63	5.18	6.50	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09876/5	20/09876/6	20/09876/7	20/09876/8	20/09876/9	20/09876/10	20/10260/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	Box 1	Box 2	Box 3	PH316	WS332	WS332	WS408			
Depth to Top				1.00	2.60	1.00	0.40			
Depth To Bottom					2.90	1.50				
Date Sampled	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AE	2AE	5A	5AB	4ABE	4AB			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	-	-	-	0.04	<0.02	-	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	-	-	-	0.04	0.09	-	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	-	-	-	<0.02	<0.02	-	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	-	-	-	0.08	0.09	-	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09876/5	20/09876/6	20/09876/7	20/09876/8	20/09876/9	20/09876/10	20/10260/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	Box 1	Box 2	Box 3	PH316	WS332	WS332	WS408			
Depth to Top				1.00	2.60	1.00	0.40			
Depth To Bottom					2.90	1.50				
Date Sampled	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AE	2AE	5A	5AB	4ABE	4AB			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	-	-	-	<0.002	<0.002	-	-	µg/l	0.002	A-T-004w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09876/5	20/09876/6	20/09876/7	20/09876/8	20/09876/9	20/09876/10	20/10260/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	Box 1	Box 2	Box 3	PH316	WS332	WS332	WS408			
Depth to Top				1.00	2.60	1.00	0.40			
Depth To Bottom					2.90	1.50				
Date Sampled	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AE	2AE	5A	5AB	4ABE	4AB			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	-	-	-	<1	<1	-	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	-	-	-	<1	2	-	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	-	-	-	<10	<10	-	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	-	-	-	<10	<10	-	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	-	-	-	<10	<10	-	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	-	-	-	<10	<10	-	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	-	-	-	<20	<20	-	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	-	-	-	<10	<10	-	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	-	-	-	<20	<20	-	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	-	-	-	<1	<1	-	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	-	-	-	<1	<1	-	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	-	-	-	20	16	-	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	-	-	-	<10	<10	-	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	-	-	-	<10	<10	-	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	-	-	-	<10	<10	-	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	-	-	-	<10	<10	-	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	-	-	-	20	<20	-	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	-	-	-	20	<20	-	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	-	-	-	<1	<1	-	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	-	-	-	<1	<1	-	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	-	-	-	<1	<1	-	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	-	-	-	<1	<1	-	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	-	-	-	<1	<1	-	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	-	-	-	<1	<1	-	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	-	-	-	<20	<20	-	-	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/09876/5	20/09876/6	20/09876/7	20/09876/8	20/09876/9	20/09876/10	20/10260/1	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	Box 1	Box 2	Box 3	PH316	WS332	WS332	WS408			
Depth to Top				1.00	2.60	1.00	0.40			
Depth To Bottom					2.90	1.50				
Date Sampled	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	16-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AE	4AE	2AE	5A	5AB	4ABE	4AB			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<5	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	8	<1	<1	<1	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	12	2	<1	<1	2	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	5	2	12	3	1	2	15	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	499	163	1090	5	19	10	62	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	62	25	274	<1	4	2	18	mg/kg	1	A-T-055s
Total Aliphatics$_A$	566	190	1390	10	24	14	97	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	2	1	44	<1	42	<1	2	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	2	1	9	<1	<1	<1	<1	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	7	6	20	3	2	6	5	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	45	26	83	4	4	16	21	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	261	145	333	14	15	41	65	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	87	30	76	2	1	2	10	mg/kg	1	A-T-055s
Total Aromatics$_A$	404	210	565	22	65	66	103	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	970	400	1960	32	88	80	200	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10260/2	20/10260/3	20/10260/4	20/10260/5	20/10260/6	20/10260/7	20/10260/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS407	WS406	WS406	WS308	WS311A	WS308	WS311A			
Depth to Top	1.20	1.40	3.20	0.40	0.40	1.00	0.60			
Depth To Bottom	1.60		3.60			1.30				
Date Sampled	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	5A	4	7	4AB	4A	2AE			
% Stones >10mm$_A$	34.0	5.5	<0.1	<0.1	12.1	3.1	19.5	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.12	8.37	7.82	10.63	8.20	6.81	8.13	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	13	17	<10	305	1190	488	437	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0104	0.0143	0.0010	0.0637	0.0231	0.0842	0.0445	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	<5	<5	<5	<5	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	7	36	3	22	27	29	40	mg/kg	1	A-T-024s
Barium$_D$	48	167	23	244	105	150	162	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	0.6	1.2	<0.5	1.9	0.7	4.4	2.7	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	<1.0	1.1	1.1	4.1	1.5	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	<0.5	0.6	<0.5	0.6	0.6	1.6	0.6	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	20	63	4	108	51	174	71	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	10	47	5	21	25	21	15	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	10	47	5	21	25	21	15	mg/kg	1	Calc
Lead$_D$$^{M\#}$	42	123	4	470	365	374	196	mg/kg	1	A-T-024s
Mercury$_D$	0.24	0.68	<0.17	1.74	2.80	<0.17	0.96	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	<1	<1	<1	3	2	9	3	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	11	32	4	37	16	72	31	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	2	<1	<1	<1	2	2	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	11	30	4	39	24	62	35	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	24	107	10	175	154	234	89	mg/kg	5	A-T-024s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10260/2	20/10260/3	20/10260/4	20/10260/5	20/10260/6	20/10260/7	20/10260/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS407	WS406	WS406	WS308	WS311A	WS308	WS311A			
Depth to Top	1.20	1.40	3.20	0.40	0.40	1.00	0.60			
Depth To Bottom	1.60		3.60			1.30				
Date Sampled	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	5A	4	7	4AB	4A	2AE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	-	NAD	NAD	-	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	-	N/A	N/A	-	N/A			A-T-045

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10260/2	20/10260/3	20/10260/4	20/10260/5	20/10260/6	20/10260/7	20/10260/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS407	WS406	WS406	WS308	WS311A	WS308	WS311A			
Depth to Top	1.20	1.40	3.20	0.40	0.40	1.00	0.60			
Depth To Bottom	1.60		3.60			1.30				
Date Sampled	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	5A	4	7	4AB	4A	2AE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	<0.01	<0.01	0.01	0.01	<0.01	0.05	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	<0.02	<0.02	0.04	0.07	<0.02	0.13	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	0.13	0.30	<0.04	0.79	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	<0.04	<0.04	0.15	0.29	<0.04	0.84	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	<0.05	<0.05	<0.05	0.20	0.40	<0.05	1.31	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	<0.05	<0.05	0.10	0.19	<0.05	0.54	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07	<0.07	0.10	0.13	<0.07	0.38	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	<0.06	<0.06	<0.06	0.15	0.32	<0.06	0.84	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	0.11	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	<0.08	<0.08	<0.08	0.29	0.67	<0.08	1.70	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	<0.03	<0.03	<0.03	0.10	0.21	<0.03	0.67	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.04	<0.03	<0.03	0.15	0.26	<0.03	0.56	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	<0.07	<0.07	<0.07	0.31	0.68	<0.07	1.75	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	<0.08	<0.08	<0.08	1.73	3.53	<0.08	9.69	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10260/2	20/10260/3	20/10260/4	20/10260/5	20/10260/6	20/10260/7	20/10260/8	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS407	WS406	WS406	WS308	WS311A	WS308	WS311A			
Depth to Top	1.20	1.40	3.20	0.40	0.40	1.00	0.60			
Depth To Bottom	1.60		3.60			1.30				
Date Sampled	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20	26-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Solid	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4A	5A	4	7	4AB	4A	2AE			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	-	-	-	-	<0.01	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	-	-	-	-	<0.01	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	-	-	-	-	<1	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	-	-	-	-	<1	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	-	-	-	-	<1	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	-	-	-	-	<1	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	-	-	-	-	-	<1	-	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	-	-	-	-	<1	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	-	-	-	-	<1	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	-	-	-	-	<0.01	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	-	-	-	-	<0.01	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	-	-	-	-	<1	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	-	-	-	-	-	<1	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	-	-	-	-	1	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	-	-	-	-	1	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	-	-	-	-	3	-	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	-	-	-	-	<1	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	-	-	-	-	5	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	-	-	-	-	5	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	-	-	-	-	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	-	-	-	-	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	-	-	-	-	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	-	-	-	-	<0.01	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	-	-	-	-	<0.01	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	-	-	-	-	<0.01	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10261/1	20/10261/2	20/10261/3	20/10261/4	20/10261/5	20/10361/1	20/10361/2	Units	Limit of Detection	Method ref
Client Sample No	1	2		2	3					
Client Sample ID	SA1	SA2	SA3	Riverbed 2	Riverbed 3	WS303	WS303			
Depth to Top	1.25	1.95	1.00			1.20	2.30			
Depth To Bottom						1.60	2.50			
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	27-Nov-20	27-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4ABE	4A	4E	4A	6A	4			
% Stones >10mm$_A$	<0.1	15.6	9.7	<0.1	<0.1	27.8	<0.1	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.84	8.74	9.47	8.07	8.33	8.63	7.71	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	123	996	88	<10	12	25	30	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	2	<1	<1	4	<1	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0702	0.0171	0.0010	0.0120	0.0015	0.0143	0.0063	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	<5	<5	<5	<5	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	44	101	<1	2	2	324	18	mg/kg	1	A-T-024s
Barium$_D$	397	148	29	82	86	67	67	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	1.8	1.6	<0.5	<0.5	<0.5	0.8	<0.5	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	1.2	0.8	<0.5	0.7	<0.5	<0.5	<0.5	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	134	68	5	36	10	37	11	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	24	20	4	9	6	17	8	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	24	20	4	9	6	17	8	mg/kg	1	Calc
Lead$_D$$^{M\#}$	846	219	16	70	79	164	9	mg/kg	1	A-T-024s
Mercury$_D$	1.65	0.82	<0.17	<0.17	<0.17	0.46	<0.17	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	3	5	<1	<1	<1	1	<1	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	27	23	3	11	8	19	8	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	1	2	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	31	29	5	10	8	16	13	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	226	126	48	95	62	35	20	mg/kg	5	A-T-024s
Leachate Prep BS EN 12457-1 (2:1) (3 no)$_A$	*	*	*	-	-	-	-			A-T-001
pH (leachable)$_A$$^{\#}$	8.54	7.86	10.61	-	-	-	-	pH	0.01	A-T-031w
Sulphate (leachable)$_A$$^{\#}$	105	894	132	-	-	-	-	mg/l	1	A-T-026w
DOC (leachable)$_A$$^{\#}$	2.8	0.5	0.8	-	-	-	-	mg/l	0.2	A-T-032w
Antimony (leachable)$_A$$^{\#}$	7	6	2	-	-	-	-	µg/l	1	A-T-025w
Arsenic (leachable)$_A$$^{\#}$	28	20	9	-	-	-	-	µg/l	1	A-T-025w
Boron (leachable)$_A$$^{\#}$	49	45	37	-	-	-	-	µg/l	10	A-T-025w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10261/1	20/10261/2	20/10261/3	20/10261/4	20/10261/5	20/10361/1	20/10361/2	Units	Limit of Detection	Method ref
Client Sample No	1	2		2	3					
Client Sample ID	SA1	SA2	SA3	Riverbed 2	Riverbed 3	WS303	WS303			
Depth to Top	1.25	1.95	1.00			1.20	2.30			
Depth To Bottom						1.60	2.50			
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	27-Nov-20	27-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4ABE	4A	4E	4A	6A	4			
Barium (leachable)$_A^{\#}$	38	71	11	-	-	-	-	µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	6	1	4	-	-	-	-	µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	19	4	6	-	-	-	-	µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	<0.05	<0.05	<0.05	-	-	-	-	mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	<0.05	<0.05	<0.05	-	-	-	-	mg/l	0.05	Calc
Mercury (leachable)$_A^{\#}$	<0.1	<0.1	<0.1	-	-	-	-	µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	9	16	6	-	-	-	-	µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	<1	1	<1	-	-	-	-	µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	6	6	59	-	-	-	-	µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	2	4	1	-	-	-	-	µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-006w
n-propylbenzene (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-006w
Styrene (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-006w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10261/1	20/10261/2	20/10261/3	20/10261/4	20/10261/5	20/10361/1	20/10361/2	Units	Limit of Detection	Method ref
Client Sample No	1	2		2	3					
Client Sample ID	SA1	SA2	SA3	Riverbed 2	Riverbed 3	WS303	WS303			
Depth to Top	1.25	1.95	1.00			1.20	2.30			
Depth To Bottom						1.60	2.50			
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	27-Nov-20	27-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4ABE	4A	4E	4A	6A	4			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	Chrysotile	NAD	-	-	-	NAD	-			A-T-045
Asbestos Matrix (microscope)$_{D}$	Loose Fibres	-	-	-	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	-	-	-	N/A	-			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	<0.001	-	-	-	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10261/1	20/10261/2	20/10261/3	20/10261/4	20/10261/5	20/10361/1	20/10361/2	Units	Limit of Detection	Method ref
Client Sample No	1	2		2	3					
Client Sample ID	SA1	SA2	SA3	Riverbed 2	Riverbed 3	WS303	WS303			
Depth to Top	1.25	1.95	1.00			1.20	2.30			
Depth To Bottom						1.60	2.50			
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	27-Nov-20	27-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4ABE	4A	4E	4A	6A	4			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.08	0.06	0.03	0.03	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.12	0.06	<0.02	0.05	<0.02	<0.02	<0.02	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.48	0.21	0.07	0.23	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.37	0.23	0.07	0.25	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.42	0.25	0.08	0.29	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.22	0.16	<0.05	0.17	<0.05	<0.05	<0.05	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.13	0.09	<0.07	0.11	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.48	0.28	0.10	0.28	<0.06	<0.06	<0.06	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.05	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.91	0.51	0.17	0.42	<0.08	<0.08	<0.08	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.06	0.04	<0.01	0.02	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.24	0.17	0.05	0.19	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.18	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.77	0.37	0.19	0.24	<0.03	<0.03	<0.03	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.90	0.50	0.17	0.41	<0.07	<0.07	<0.07	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	5.42	2.98	0.93	2.69	<0.08	<0.08	<0.08	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10261/1	20/10261/2	20/10261/3	20/10261/4	20/10261/5	20/10361/1	20/10361/2	Units	Limit of Detection	Method ref
Client Sample No	1	2		2	3					
Client Sample ID	SA1	SA2	SA3	Riverbed 2	Riverbed 3	WS303	WS303			
Depth to Top	1.25	1.95	1.00			1.20	2.30			
Depth To Bottom						1.60	2.50			
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	27-Nov-20	27-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4ABE	4A	4E	4A	6A	4			
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	0.09	0.08	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	<0.02	<0.02	<0.02	-	-	-	-	µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	0.09	0.08	<0.02	-	-	-	-	µg/l	0.02	A-T-019w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10261/1	20/10261/2	20/10261/3	20/10261/4	20/10261/5	20/10361/1	20/10361/2	Units	Limit of Detection	Method ref
Client Sample No	1	2		2	3					
Client Sample ID	SA1	SA2	SA3	Riverbed 2	Riverbed 3	WS303	WS303			
Depth to Top	1.25	1.95	1.00			1.20	2.30			
Depth To Bottom						1.60	2.50			
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	27-Nov-20	27-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4ABE	4A	4E	4A	6A	4			
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	<0.002	<0.002	<0.002	-	-	-	-	µg/l	0.002	A-T-004w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10261/1	20/10261/2	20/10261/3	20/10261/4	20/10261/5	20/10361/1	20/10361/2	Units	Limit of Detection	Method ref
Client Sample No	1	2		2	3					
Client Sample ID	SA1	SA2	SA3	Riverbed 2	Riverbed 3	WS303	WS303			
Depth to Top	1.25	1.95	1.00			1.20	2.30			
Depth To Bottom						1.60	2.50			
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	27-Nov-20	27-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4ABE	4A	4E	4A	6A	4			
TPH UKCWG (leachable)										
Ali >C5-C6 (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-022w
Ali >C6-C8 (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-022w
Ali >C8-C10 (leachable)$_A$	<10	<10	<10	-	-	-	-	µg/l	10	A-T-055w
Ali >C10-C12 (leachable)$_A$	<10	<10	<10	-	-	-	-	µg/l	10	A-T-055w
Ali >C12-C16 (leachable)$_A$	<10	<10	<10	-	-	-	-	µg/l	10	A-T-055w
Ali >C16-C21 (leachable)$_A$	<10	<10	<10	-	-	-	-	µg/l	10	A-T-055w
Ali >C21-C35 (leachable)$_A$	<20	<20	<20	-	-	-	-	µg/l	20	A-T-055w
Ali >C35-C44 (leachable)$_A$	<10	<10	<10	-	-	-	-	µg/l	10	A-T-055w
Total Aliphatics (leachable)$_A$	<20	<20	<20	-	-	-	-	µg/l	10	A-T-055w
Aro >C5-C7 (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-022w
Aro >C7-C8 (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-022w
Aro >C8-C10 (leachable)$_A$	<10	<10	<10	-	-	-	-	µg/l	10	A-T-055w
Aro >C10-C12 (leachable)$_A$	<10	<10	<10	-	-	-	-	µg/l	10	A-T-055w
Aro >C12-C16 (leachable)$_A$	<10	<10	<10	-	-	-	-	µg/l	10	A-T-055w
Aro >C16-C21 (leachable)$_A$	<10	<10	<10	-	-	-	-	µg/l	10	A-T-055w
Aro >C35-C44 (leachable)$_A$	<10	<10	<10	-	-	-	-	µg/l	10	A-T-055w
Total Aromatics (leachable) GCxGC$_A$	<20	<20	<20	-	-	-	-	µg/l	20	A-T-055w
TPH (Ali & Aro >C5-C44) (leachable)$_A$	<20	<20	<20	-	-	-	-	µg/l	20	A-T-055w
BTEX - Benzene (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - Toluene (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - Ethyl Benzene (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - o Xylene (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-022w
BTEX - m & p Xylene (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-022w
MTBE (leachable)$_A$	<1	<1	<1	-	-	-	-	µg/l	1	A-T-022w
Aro >C21-C35 (leachable)$_A$	<20	<20	<20	-	-	-	-	µg/l	20	A-T-055w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10261/1	20/10261/2	20/10261/3	20/10261/4	20/10261/5	20/10361/1	20/10361/2	Units	Limit of Detection	Method ref
Client Sample No	1	2		2	3					
Client Sample ID	SA1	SA2	SA3	Riverbed 2	Riverbed 3	WS303	WS303			
Depth to Top	1.25	1.95	1.00			1.20	2.30			
Depth To Bottom						1.60	2.50			
Date Sampled	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	27-Nov-20	27-Nov-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	4AB	4ABE	4A	4E	4A	6A	4			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1	<1	<1	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1	<1	<1	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	<1	<1	1	<1	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	1	1	<1	2	<1	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	14	7	13	20	2	-	-	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	2	2	2	6	<1	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	18	10	15	30	2	-	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	2	2	<1	2	<1	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	1	<1	<1	1	<1	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	4	3	<1	5	<1	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	14	10	3	26	<1	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	48	39	8	86	4	-	-	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	2	1	<1	5	<1	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	72	55	14	125	4	-	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	90	65	29	155	6	-	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.01	-	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10361/3	20/10361/4	20/10542/1	20/10542/2	20/10542/3	20/10542/4	20/10542/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS307	WS307	DF 1.1	DF 1.2	DF 1.3	DF 1.4	Asphalt 1.1			
Depth to Top	0.85	0.20	0.10	0.10	0.10	0.10	0.00			
Depth To Bottom	1.00	0.50								
Date Sampled	27-Nov-20	27-Nov-20	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	02-Dec-20			
Sample Type	Soil - ES	Soil - ES	Soil	Soil	Soil	Solid	Solid - Road Core / Tarmac			
Sample Matrix Code	4ABE	6AB	6ABE	6ABE	2AE	7	7			
% Stones >10mm$_A$	<0.1	12.4	4.3	5.9	10.5	<0.1	-	% w/w	0.1	A-T-044
pH$_D^{M\#}$	7.58	8.12	7.85	7.32	7.95	8.18	-	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D^{M\#}$	324	279	449	522	1020	3240	-	mg/l	10	A-T-026s
Cyanide (total)$_A^{M\#}$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D^{\#}$	0.0709	0.0350	0.0036	0.0134	0.0151	0.0103	-	N/A	0.0003	A-T-032 FOC
Antimony$_D$	8	<5	<5	<5	<5	<5	-	mg/kg	5	A-T-024s
Arsenic$_D^{M\#}$	134	26	3	6	7	4	-	mg/kg	1	A-T-024s
Barium$_D$	209	148	68	57	141	104	-	mg/kg	1	A-T-024s
Beryllium$_D^{\#}$	3.2	1.0	0.7	0.6	0.8	0.8	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.8	1.4	<1.0	<1.0	<1.0	<1.0	-	mg/kg	1	A-T-027s
Cadmium$_D^{M\#}$	1.7	0.8	<0.5	<0.5	0.7	0.8	-	mg/kg	0.5	A-T-024s
Copper$_D^{M\#}$	189	61	15	17	39	25	-	mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	139	24	14	13	13	20	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-040s
Chromium (trivalent)	139	24	14	13	13	20	-	mg/kg	1	Calc
Lead$_D^{M\#}$	541	158	36	47	124	41	-	mg/kg	1	A-T-024s
Mercury$_D$	1.52	1.05	<0.17	0.97	0.72	0.29	-	mg/kg	0.17	A-T-024s
Molybdenum$_D^{M\#}$	5	2	<1	<1	<1	<1	-	mg/kg	1	A-T-024s
Nickel$_D^{M\#}$	49	21	13	11	16	20	-	mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	2	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	48	25	18	16	19	18	-	mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	254	179	37	39	88	60	-	mg/kg	5	A-T-024s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10361/3	20/10361/4	20/10542/1	20/10542/2	20/10542/3	20/10542/4	20/10542/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS307	WS307	DF 1.1	DF 1.2	DF 1.3	DF 1.4	Asphalt 1.1			
Depth to Top	0.85	0.20	0.10	0.10	0.10	0.10	0.00			
Depth To Bottom	1.00	0.50								
Date Sampled	27-Nov-20	27-Nov-20	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	02-Dec-20			
Sample Type	Soil - ES	Soil - ES	Soil	Soil	Soil	Solid	Solid - Road Core / Tarmac			
Sample Matrix Code	4ABE	6AB	6ABE	6ABE	2AE	7	7			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_D^{\#}$	-	NAD	NAD	NAD	NAD	NAD	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	-	N/A	N/A	N/A	N/A	N/A	-			A-T-045

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10361/3	20/10361/4	20/10542/1	20/10542/2	20/10542/3	20/10542/4	20/10542/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS307	WS307	DF 1.1	DF 1.2	DF 1.3	DF 1.4	Asphalt 1.1			
Depth to Top	0.85	0.20	0.10	0.10	0.10	0.10	0.00			
Depth To Bottom	1.00	0.50								
Date Sampled	27-Nov-20	27-Nov-20	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	02-Dec-20			
Sample Type	Soil - ES	Soil - ES	Soil	Soil	Soil	Solid	Solid - Road Core / Tarmac			
Sample Matrix Code	4ABE	6AB	6ABE	6ABE	2AE	7	7			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.27	0.02	0.03	0.42	0.39	0.07	-	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.13	<0.01	<0.01	0.07	0.04	0.01	-	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.60	0.04	0.12	1.58	0.70	0.14	-	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	3.62	0.22	0.61	2.95	2.70	0.49	-	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	2.66	0.20	0.54	1.91	2.42	0.42	-	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	2.98	0.24	0.62	2.09	2.53	0.49	-	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	1.26	0.14	0.28	0.65	1.27	0.23	-	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	1.02	0.09	0.27	0.81	0.92	0.20	-	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	3.97	0.28	0.68	2.74	2.67	0.59	-	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.29	<0.04	0.05	0.14	0.23	0.05	-	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	6.36	0.49	1.17	7.22	5.43	0.95	-	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.28	0.01	0.02	0.45	0.26	0.05	-	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	1.51	0.15	0.32	0.81	1.44	0.26	-	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.18	<0.03	<0.03	0.05	0.09	<0.03	-	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	3.38	0.24	0.44	5.50	3.02	0.58	-	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	7.89	0.50	1.07	6.08	5.06	0.87	-	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	36.4	2.62	6.22	33.5	29.2	5.40	-	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10361/3	20/10361/4	20/10542/1	20/10542/2	20/10542/3	20/10542/4	20/10542/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS307	WS307	DF 1.1	DF 1.2	DF 1.3	DF 1.4	Asphalt 1.1			
Depth to Top	0.85	0.20	0.10	0.10	0.10	0.10	0.00			
Depth To Bottom	1.00	0.50								
Date Sampled	27-Nov-20	27-Nov-20	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	02-Dec-20			
Sample Type	Soil - ES	Soil - ES	Soil	Soil	Soil	Solid	Solid - Road Core / Tarmac			
Sample Matrix Code	4ABE	6AB	6ABE	6ABE	2AE	7	7			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	-	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	-	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	2	-	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	4	-	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	14	-	-	-	-	-	-	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	6	-	-	-	-	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	26	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	2	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A$	6	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	29	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	150	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	544	-	-	-	-	-	-	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	12	-	-	-	-	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	743	-	-	-	-	-	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	769	-	-	-	-	-	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	-	-	-	-	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10361/3	20/10361/4	20/10542/1	20/10542/2	20/10542/3	20/10542/4	20/10542/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS307	WS307	DF 1.1	DF 1.2	DF 1.3	DF 1.4	Asphalt 1.1			
Depth to Top	0.85	0.20	0.10	0.10	0.10	0.10	0.00			
Depth To Bottom	1.00	0.50								
Date Sampled	27-Nov-20	27-Nov-20	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	02-Dec-20			
Sample Type	Soil - ES	Soil - ES	Soil	Soil	Soil	Solid	Solid - Road Core / Tarmac			
Sample Matrix Code	4ABE	6AB	6ABE	6ABE	2AE	7	7			
TARMAC Possible Re-Use Suite										
Leachate Prep BS EN 12457-2 (10:1) TAR$_A$	-	-	-	-	-	-	*			A-T-001
Phenols (total by HPLC) (leachable) TAR$_A$	-	-	-	-	-	-	<0.01	mg/l	0.01	A-T-050w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10361/3	20/10361/4	20/10542/1	20/10542/2	20/10542/3	20/10542/4	20/10542/5	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	WS307	WS307	DF 1.1	DF 1.2	DF 1.3	DF 1.4	Asphalt 1.1			
Depth to Top	0.85	0.20	0.10	0.10	0.10	0.10	0.00			
Depth To Bottom	1.00	0.50								
Date Sampled	27-Nov-20	27-Nov-20	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	02-Dec-20			
Sample Type	Soil - ES	Soil - ES	Soil	Soil	Soil	Solid	Solid - Road Core / Tarmac			
Sample Matrix Code	4ABE	6AB	6ABE	6ABE	2AE	7	7			
PAH-16MS plus Coronene (TAR)										
Acenaphthene$_D$	-	-	-	-	-	-	<1.0	mg/kg	1	A-T-019 TAR
Acenaphthylene$_D$	-	-	-	-	-	-	<1.0	mg/kg	1	A-T-019 TAR
Anthracene$_D$	-	-	-	-	-	-	<1.0	mg/kg	1	A-T-019 TAR
Benzo(a)anthracene$_D$	-	-	-	-	-	-	<4.0	mg/kg	4	A-T-019 TAR
Benzo(a)pyrene$_D$	-	-	-	-	-	-	<4.0	mg/kg	4	A-T-019 TAR
Benzo(b)fluoranthene$_D$	-	-	-	-	-	-	<5.0	mg/kg	5	A-T-019 TAR
Benzo(ghi)perylene$_D$	-	-	-	-	-	-	<5.0	mg/kg	5	A-T-019 TAR
Benzo(k)fluoranthene$_D$	-	-	-	-	-	-	<7.0	mg/kg	7	A-T-019 TAR
Chrysene$_D$	-	-	-	-	-	-	<6.0	mg/kg	6	A-T-019 TAR
Coronene$_D$	-	-	-	-	-	-	<1.0	mg/kg	1	A-T-019 TAR
Dibenzo(ah)anthracene$_D$	-	-	-	-	-	-	<4.0	mg/kg	4	A-T-019 TAR
Fluoranthene$_D$	-	-	-	-	-	-	<8.0	mg/kg	8	A-T-019 TAR
Fluorene$_D$	-	-	-	-	-	-	<1.0	mg/kg	1	A-T-019 TAR
Indeno(123-cd)pyrene$_D$	-	-	-	-	-	-	<3.0	mg/kg	3	A-T-019 TAR
Naphthalene$_D$	-	-	-	-	-	-	<3.0	mg/kg	3	A-T-019 TAR
Phenanthrene$_D$	-	-	-	-	-	-	<3.0	mg/kg	3	A-T-019 TAR
Pyrene$_D$	-	-	-	-	-	-	<7.0	mg/kg	7	A-T-019 TAR
Total PAH-16MS plus Coronene (TAR)$_D$	-	-	-	-	-	-	<8.0	mg/kg	1	A-T-019 TAR

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10542/6							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	Asphalt 1.2									
Depth to Top	0.00									
Depth To Bottom										
Date Sampled	02-Dec-20									
Sample Type	Solid - Road Core / Tarmac									
Sample Matrix Code	7									
TARMAC Possible Re-Use Suite										
Leachate Prep BS EN 12457-2 (10:1) TAR_A	*									A-T-001
Phenols (total by HPLC) (leachable) TAR_A	<0.01							mg/l	0.01	A-T-050w

Envirolab Job Number: 20/09777, 20/07421, 20/07454, 20/07472, 20/07817, 20/07819, 20/07895, 20/08419, 20/09678, 20/09679, 20/09777, 20/09778, 20/09838, 20/09839, 20/09845, 20/09874, 20/09876, 20/10260, 20/10261, 20/10361 and 20/10542

Client Project Name: Mayfield Plot L

Client Project Ref: 4153

Lab Sample ID	20/10542/6							Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	Asphalt 1.2									
Depth to Top	0.00									
Depth To Bottom										
Date Sampled	02-Dec-20									
Sample Type	Solid - Road Core / Tarmac									
Sample Matrix Code	7									
PAH-16MS plus Coronene (TAR)										
Acenaphthene$_D$	<1.0							mg/kg	1	A-T-019 TAR
Acenaphthylene$_D$	<1.0							mg/kg	1	A-T-019 TAR
Anthracene$_D$	<1.0							mg/kg	1	A-T-019 TAR
Benzo(a)anthracene$_D$	<4.0							mg/kg	4	A-T-019 TAR
Benzo(a)pyrene$_D$	<4.0							mg/kg	4	A-T-019 TAR
Benzo(b)fluoranthene$_D$	<5.0							mg/kg	5	A-T-019 TAR
Benzo(ghi)perylene$_D$	<5.0							mg/kg	5	A-T-019 TAR
Benzo(k)fluoranthene$_D$	<7.0							mg/kg	7	A-T-019 TAR
Chrysene$_D$	<6.0							mg/kg	6	A-T-019 TAR
Coronene$_D$	<1.0							mg/kg	1	A-T-019 TAR
Dibenzo(ah)anthracene$_D$	<4.0							mg/kg	4	A-T-019 TAR
Fluoranthene$_D$	<8.0							mg/kg	8	A-T-019 TAR
Fluorene$_D$	<1.0							mg/kg	1	A-T-019 TAR
Indeno(123-cd)pyrene$_D$	<3.0							mg/kg	3	A-T-019 TAR
Naphthalene$_D$	<3.0							mg/kg	3	A-T-019 TAR
Phenanthrene$_D$	<3.0							mg/kg	3	A-T-019 TAR
Pyrene$_D$	<7.0							mg/kg	7	A-T-019 TAR
Total PAH-16MS plus Coronene (TAR)$_D$	<8.0							mg/kg	1	A-T-019 TAR

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Mayfield Plot L

Clients Project No: 4153

Project No: 20/09777

Date Received: 16/11/2020 (am)

Cool Box Temperatures (°C): 4.6

Lab Sample ID
Client Sample No
Client Sample ID/Depth
Date Sampled
Deviation Code
B1 (no VPH)
D (no glass)
F

Key

B1 (no VPH)	*Separate container not supplied for VPH/BTEX analysis*
D (no glass)	*Glass container not provided for extractable organics analysis*
F	*Maximum holding time exceeded between sampling date and analysis for analytes listed below*

HOLDING TIME EXCEEDANCES

Lab Sample ID
Client Sample No
Client Sample ID/Depth
Date Sampled

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

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Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT
SUPPLEMENT TO TEST REPORT 20/06419/2

Amendments: Request for Additional Analysis

Envirolab Job Number: 20/06419
Issue Number: 3 **Date:** 22 October, 2020

Client:
ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Liam Daley
Project Name: Plots O + N
Project Ref: 4134
Order No: 1553
Date Samples Received: 31/07/20
Date Instructions Received: 04/08/20
Date Analysis Completed: 22/10/20

Prepared by:

Melanie Marshall
Laboratory Coordinator

Approved by:

Sophie France
Client Service Manager

Envirolab Job Number: 20/06419

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06419/1	20/06419/2	20/06419/3	20/06419/4				Units	Limit of Detection	Method ref
Client Sample No	SP1	SP2	SP3	SP4						
Client Sample ID										
Depth to Top	0.40	0.40	0.40	0.40						
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20						
Sample Type	Soil	Soil	Soil	Soil						
Sample Matrix Code	6ABE	6ABDE	6ABE	6AE						
% Stones >10mm$_A$	<0.1	22.8	13.8	28.8				% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.66	9.36	8.41	8.55				pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	44	80	53	69				mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2				mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.2371	0.0822	0.0515	0.0461				N/A	0.0003	A-T-032 FOC
Antimony$_D$	7	12	12	13				mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	27	16	134	103				mg/kg	1	A-T-024s
Barium$_D$	410	452	497	562				mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	3.4	1.2	2.0	1.1				mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	1.1	<1.0	<1.0				mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	1.7	1.5	2.2	1.7				mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	221	137	189	125				mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	19	29	40	27				mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1				mg/kg	1	A-T-040s
Chromium (trivalent)	19	29	40	27				mg/kg	1	Calc
Lead$_D$$^{M\#}$	805	538	965	646				mg/kg	1	A-T-024s
Mercury$_D$	2.65	1.66	2.01	1.98				mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	9	2	3	1				mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	50	29	47	27				mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	2	2	2	1				mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	56	33	42	26				mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	281	402	669	624				mg/kg	5	A-T-024s

Envirolab Job Number: 20/06419

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06419/1	20/06419/2	20/06419/3	20/06419/4				Units	Limit of Detection	Method ref
Client Sample No	SP1	SP2	SP3	SP4						
Client Sample ID										
Depth to Top	0.40	0.40	0.40	0.40						
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20						
Sample Type	Soil	Soil	Soil	Soil						
Sample Matrix Code	6ABE	6ABDE	6ABE	6AE						
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	Chrysotile	NAD	NAD	NAD						A-T-045
Asbestos Matrix (visual)$_{D}$	Woven	-	-	-						A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A						A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	0.140	-	-	-				% w/w	0.001	A-T-054

Envirolab Job Number: 20/06419

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06419/1	20/06419/2	20/06419/3	20/06419/4				Units	Limit of Detection	Method ref
Client Sample No	SP1	SP2	SP3	SP4						
Client Sample ID										
Depth to Top	0.40	0.40	0.40	0.40						
Depth To Bottom										
Date Sampled	30-Jul-20	30-Jul-20	30-Jul-20	30-Jul-20						
Sample Type	Soil	Soil	Soil	Soil						
Sample Matrix Code	6ABE	6ABDE	6ABE	6AE						
PAH-16MS										
Acenaphthene$_A^{M\#}$	3.87	0.93	0.83	1.52				mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.10	0.07	0.06	0.07				mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	4.99	1.54	1.53	2.30				mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	8.15	4.65	5.23	5.42				mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	6.47	3.55	4.26	3.87				mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	8.11	3.95	4.64	4.27				mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	2.88	1.65	1.92	1.86				mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	3.38	1.45	1.79	1.50				mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	10.4	4.20	4.93	5.08				mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.88	0.41	0.51	0.48				mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	22.2	8.93	10.7	12				mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	2.72	0.59	0.58	1.24				mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	3.20	2.03	2.38	2.11				mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	1.98	0.51	0.22	0.70				mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	24.5	6.10	6.72	10.3				mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	18.6	7.90	9.78	10.4				mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	122	48.5	56.1	63.1				mg/kg	0.01	A-T-019s

REPORT NOTES

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The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Plots O + N

Clients Project No: 4134

Project No: 20/06419

Date Received: 04/08/2020 (am)

Cool Box Temperatures (°C): 20.9

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

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Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

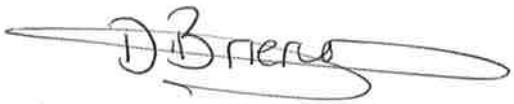
FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/06682
Issue Number: 1 **Date:** 24 August, 2020

Client: ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Liam Daley
Project Name: Plots O + N
Project Ref: 4134
Order No: 1573
Date Samples Received: 12/08/20
Date Instructions Received: 13/08/20
Date Analysis Completed: 24/08/20

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Richard Wong
Client Manager

Envirolab Job Number: 20/06682

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06682/1	20/06682/2	20/06682/3	20/06682/4	20/06682/5	20/06682/6	20/06682/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP101	TP101	TP101	TP102	TP102	TP102	TT01			
Depth to Top	0.50	1.20	2.50	0.80	1.80	2.50	0.50			
Depth To Bottom										
Date Sampled	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	6ABE	6ABE	6ABE	6ABE	6ABE	4A	7			
% Stones >10mm$_A$	47.2	29.0	14.5	39.8	16.1	5.6	<0.1	% w/w	0.1	A-T-044
pH$_D^{M\#}$	8.11	8.14	8.10	8.12	7.54	7.30	11.80	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D^{M\#}$	956	1240	1390	933	1420	147	96	mg/l	10	A-T-026s
Cyanide (total)$_A^{M\#}$	<1	<1	<1	<1	17	<1	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D^{\#}$	0.0437	0.0361	0.0410	0.0281	0.0211	0.0017	0.0102	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	<5	<5	5	<5	<5	mg/kg	5	A-T-024s
Arsenic$_D^{M\#}$	7	9	10	15	37	3	25	mg/kg	1	A-T-024s
Barium$_D$	91	165	203	178	107	17	199	mg/kg	1	A-T-024s
Beryllium$_D^{\#}$	0.8	1.1	1.1	0.8	1.9	<0.5	0.6	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	2.4	3.5	2.0	1.1	<1.0	<1.0	1.5	mg/kg	1	A-T-027s
Cadmium$_D^{M\#}$	0.8	0.9	1.0	0.8	0.8	<0.5	0.7	mg/kg	0.5	A-T-024s
Copper$_D^{M\#}$	52	44	66	84	926	8	33	mg/kg	1	A-T-024s
Chromium$_D^{M\#}$	14	21	29	16	95	6	22	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	14	21	29	16	95	6	22	mg/kg	1	Calc
Lead$_D^{M\#}$	64	118	127	270	4090	16	124	mg/kg	1	A-T-024s
Mercury$_D$	0.45	1.17	1.24	0.70	15.6	<0.17	1.97	mg/kg	0.17	A-T-024s
Molybdenum$_D^{M\#}$	1	1	2	1	3	<1	<1	mg/kg	1	A-T-024s
Nickel$_D^{M\#}$	21	18	22	15	26	6	20	mg/kg	1	A-T-024s
Selenium$_D^{M\#}$	1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D^{M\#}$	25	30	33	19	15	8	17	mg/kg	1	A-T-024s
Zinc$_D^{M\#}$	130	135	183	137	114	17	148	mg/kg	5	A-T-024s

Envirolab Job Number: 20/06682

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06682/1	20/06682/2	20/06682/3	20/06682/4	20/06682/5	20/06682/6	20/06682/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP101	TP101	TP101	TP102	TP102	TP102	TT01			
Depth to Top	0.50	1.20	2.50	0.80	1.80	2.50	0.50			
Depth To Bottom										
Date Sampled	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	6ABE	6ABE	6ABE	6ABE	6ABE	4A	7			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD	NAD	NAD	NAD	NAD			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045

Envirolab Job Number: 20/06682

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06682/1	20/06682/2	20/06682/3	20/06682/4	20/06682/5	20/06682/6	20/06682/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP101	TP101	TP101	TP102	TP102	TP102	TT01			
Depth to Top	0.50	1.20	2.50	0.80	1.80	2.50	0.50			
Depth To Bottom										
Date Sampled	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	6ABE	6ABE	6ABE	6ABE	6ABE	4A	7			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.24	0.15	0.21	0.10	<0.01	<0.01	0.41	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.08	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.24	0.23	0.30	0.18	<0.02	<0.02	0.70	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.48	0.65	0.73	0.65	<0.04	<0.04	1.68	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.43	0.60	0.69	0.62	<0.04	<0.04	1.59	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.49	0.68	0.76	0.74	<0.05	<0.05	1.78	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.30	0.43	0.49	0.43	<0.05	<0.05	1.03	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.18	0.24	0.27	0.25	<0.07	<0.07	0.65	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.58	0.68	0.82	0.72	<0.06	<0.06	1.88	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.06	0.10	0.10	0.08	<0.04	<0.04	0.21	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	1.11	1.33	1.59	1.44	<0.08	<0.08	3.85	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.19	0.11	0.16	0.07	<0.01	<0.01	0.39	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.29	0.45	0.50	0.46	<0.03	<0.03	1.07	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.86	0.10	0.28	0.05	<0.03	<0.03	0.55	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	1.36	1.17	1.58	0.80	<0.03	<0.03	3.99	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	1.07	1.19	1.45	1.33	<0.07	<0.07	3.88	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	7.88	8.11	9.93	7.93	<0.08	<0.08	23.7	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/06682

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06682/1	20/06682/2	20/06682/3	20/06682/4	20/06682/5	20/06682/6	20/06682/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP101	TP101	TP101	TP102	TP102	TP102	TT01			
Depth to Top	0.50	1.20	2.50	0.80	1.80	2.50	0.50			
Depth To Bottom										
Date Sampled	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20	11-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid			
Sample Matrix Code	6ABE	6ABE	6ABE	6ABE	6ABE	4A	7			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	<0.01	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	<0.01	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<5	-	<1	-	-	<1	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	<5	-	<1	-	-	<1	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	<5	-	<1	-	-	2	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	8	-	1	-	-	3	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	239	-	17	-	-	34	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	264	-	7	-	-	12	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	511	-	25	-	-	51	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	<0.01	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	<5	-	<1	-	-	4	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	-	<5	-	<1	-	-	3	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	7	-	1	-	-	11	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	23	-	4	-	-	41	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	248	-	33	-	-	163	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	335	-	54	-	-	11	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	613	-	93	-	-	235	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	1130	-	118	-	-	286	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	-	<0.01	-	-	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/06682

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06682/8	20/06682/9	20/06682/10					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT01	TT01	TT01							
Depth to Top	1.20	2.20	1.80							
Depth To Bottom										
Date Sampled	11-Aug-20	11-Aug-20	11-Aug-20							
Sample Type	Soil - ES	Soil - ES	Solid - Fragment / Tile							
Sample Matrix Code	6ABE	5AB	8							
% Stones >10mm$_A$	52.9	17.0	-					% w/w	0.1	A-T-044
pH$_D$ M#	10.19	8.54	-					pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$ M#	77	15	-					mg/l	10	A-T-026s
Cyanide (total)$_A$ M#	<1	<1	-					mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	-					mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$ #	0.0109	0.0256	-					N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	-					mg/kg	5	A-T-024s
Arsenic$_D$ M#	13	12	-					mg/kg	1	A-T-024s
Barium$_D$	152	100	-					mg/kg	1	A-T-024s
Beryllium$_D$ #	0.6	0.9	-					mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	-					mg/kg	1	A-T-027s
Cadmium$_D$ M#	0.5	0.8	-					mg/kg	0.5	A-T-024s
Copper$_D$ M#	33	112	-					mg/kg	1	A-T-024s
Chromium$_D$ M#	11	23	-					mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	-					mg/kg	1	A-T-040s
Chromium (trivalent)	11	23	-					mg/kg	1	Calc
Lead$_D$ M#	138	276	-					mg/kg	1	A-T-024s
Mercury$_D$	1.23	0.41	-					mg/kg	0.17	A-T-024s
Molybdenum$_D$ M#	<1	<1	-					mg/kg	1	A-T-024s
Nickel$_D$ M#	9	19	-					mg/kg	1	A-T-024s
Selenium$_D$ M#	<1	<1	-					mg/kg	1	A-T-024s
Vanadium$_D$ M#	15	18	-					mg/kg	1	A-T-024s
Zinc$_D$ M#	64	63	-					mg/kg	5	A-T-024s

Envirolab Job Number: 20/06682

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06682/8	20/06682/9	20/06682/10					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT01	TT01	TT01							
Depth to Top	1.20	2.20	1.80							
Depth To Bottom										
Date Sampled	11-Aug-20	11-Aug-20	11-Aug-20							
Sample Type	Soil - ES	Soil - ES	Solid - Fragment / Tile							
Sample Matrix Code	6ABE	5AB	8							
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	-							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	-							A-T-045
Bulk Fibre ID (inc. matrix) ^										
Bulk Fibre Identification$_{D}^{\#}$	-	-	Chrysotile							A-T-045
Bulk Fibre Identification Matrix (visual)$_{D}$	-	-	Cement							A-T-045
Bulk Fibre Identification - Suitable for Water Absorption Test?$_{D}$	-	-	Yes							Gravimetry
Bulk Fibre Quantification % Asbestos in ACM										
Bulk Fibre - % Asbestos in ACM (HSG264)$_{D}$	-	-	15					% w/w	0.001	A-T-054

Envirolab Job Number: 20/06682

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06682/8	20/06682/9	20/06682/10					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT01	TT01	TT01							
Depth to Top	1.20	2.20	1.80							
Depth To Bottom										
Date Sampled	11-Aug-20	11-Aug-20	11-Aug-20							
Sample Type	Soil - ES	Soil - ES	Solid - Fragment / Tile							
Sample Matrix Code	6ABE	5AB	8							
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.10	<0.01	-					mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.02	<0.01	-					mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.15	<0.02	-					mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.51	<0.04	-					mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.45	<0.04	-					mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.53	<0.05	-					mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.28	<0.05	-					mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.19	<0.07	-					mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.54	<0.06	-					mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.06	<0.04	-					mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	1.04	<0.08	-					mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.09	<0.01	-					mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.30	<0.03	-					mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.11	<0.03	-					mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.80	<0.03	-					mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	1.03	<0.07	-					mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	6.20	<0.08	-					mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/06682

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06682/8	20/06682/9	20/06682/10					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT01	TT01	TT01							
Depth to Top	1.20	2.20	1.80							
Depth To Bottom										
Date Sampled	11-Aug-20	11-Aug-20	11-Aug-20							
Sample Type	Soil - ES	Soil - ES	Solid - Fragment / Tile							
Sample Matrix Code	6ABE	5AB	8							
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	-	-					mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	<1	-	-					mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	1	-	-					mg/kg	1	A-T-055s
Ali >C21-C35$_A$	5	-	-					mg/kg	1	A-T-055s
Ali >C35-C44$_A$	2	-	-					mg/kg	1	A-T-055s
Total Aliphatics$_A$	8	-	-					mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	1	-	-					mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	1	-	-					mg/kg	1	A-T-055s
Aro >C12-C16$_A$	3	-	-					mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	10	-	-					mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	37	-	-					mg/kg	1	A-T-055s
Aro >C35-C44$_A$	2	-	-					mg/kg	1	A-T-055s
Total Aromatics$_A$	54	-	-					mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	62	-	-					mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	-					mg/kg	0.01	A-T-022s

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Plots O + N

Clients Project No: 4134

Project No: 20/06682

Date Received: 13/08/2020 (am)

Cool Box Temperatures (°C): 25.4

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 20/06795
Issue Number: 1 **Date:** 27 August, 2020

Client: ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Liam Daley
Project Name: Plots O + N
Project Ref: 4134
Order No: TBC
Date Samples Received: 14/08/20
Date Instructions Received: 17/08/20
Date Analysis Completed: 26/08/20

Prepared by:

Melanie Marshall
Laboratory Coordinator

Approved by:

Richard Wong
Client Manager

Envirolab Job Number: 20/06795

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06795/1	20/06795/2	20/06795/4	20/06795/5	20/06795/7	20/06795/8	20/06795/9	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP104	TP104	TP103	TP103	TT03	TT03	TT03			
Depth to Top	0.80	1.50	0.50	1.20	0.80	1.20	1.50			
Depth To Bottom										
Date Sampled	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid - Fragment / Tile			
Sample Matrix Code	6ABE	6AE	6ABE	4ABE	6ABE	6ABE	8			
% Stones >10mm$_A$	5.4	19.9	28.9	38.1	<0.1	18.6	-	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.48	8.49	8.71	9.53	10.04	9.13	-	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	16	18	36	93	116	1290	-	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0367	0.0296	0.0513	0.0299	0.0500	0.0390	-	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	15	<5	<5	<5	-	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	21	15	90	73	26	48	-	mg/kg	1	A-T-024s
Barium$_D$	97	174	491	634	219	370	-	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	1.3	1.1	4.4	1.2	1.1	1.9	-	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	<1.0	<1.0	2.1	2.6	-	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.6	<0.5	1.2	1.0	0.5	0.7	-	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	63	63	137	95	34	76	-	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	19	17	25	26	16	23	-	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-040s
Chromium (trivalent)	19	17	25	26	16	23	-	mg/kg	1	Calc
Lead$_D$$^{M\#}$	123	208	703	1490	106	392	-	mg/kg	1	A-T-024s
Mercury$_D$	1.05	1.22	1.54	1.29	1.82	1.81	-	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	<1	<1	7	3	<1	2	-	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	22	20	50	25	16	28	-	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	<1	-	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	24	22	66	41	21	34	-	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	68	83	379	375	157	204	-	mg/kg	5	A-T-024s

Envirolab Job Number: 20/06795

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06795/1	20/06795/2	20/06795/4	20/06795/5	20/06795/7	20/06795/8	20/06795/9	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP104	TP104	TP103	TP103	TT03	TT03	TT03			
Depth to Top	0.80	1.50	0.50	1.20	0.80	1.20	1.50			
Depth To Bottom										
Date Sampled	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid - Fragment / Tile			
Sample Matrix Code	6ABE	6AE	6ABE	4ABE	6ABE	6ABE	8			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_D^{\#}$	NAD	NAD	NAD	NAD	Chrysotile	NAD	-			A-T-045
Asbestos Matrix (microscope)$_D$	-	-	-	-	Loose Fibres	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_D$	N/A	N/A	N/A	N/A	N/A	N/A	-			A-T-045
Bulk Fibre ID (inc. matrix) ^										
Bulk Fibre Identification$_D^{\#}$	-	-	-	-	-	-	Chrysotile			A-T-045
Bulk Fibre Identification Matrix (visual)$_D$	-	-	-	-	-	-	Cement			A-T-045
Bulk Fibre Identification - Suitable for Water Absorption Test?$_D$	-	-	-	-	-	-	Yes			Gravimetry
Bulk Fibre Quantification % Asbestos in ACM										
Bulk Fibre - % Asbestos in ACM (HSG264)$_D$	-	-	-	-	-	-	15	% w/w	0.001	A-T-054

Envirolab Job Number: 20/06795

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06795/1	20/06795/2	20/06795/4	20/06795/5	20/06795/7	20/06795/8	20/06795/9	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP104	TP104	TP103	TP103	TT03	TT03	TT03			
Depth to Top	0.80	1.50	0.50	1.20	0.80	1.20	1.50			
Depth To Bottom										
Date Sampled	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid - Fragment / Tile			
Sample Matrix Code	6ABE	6AE	6ABE	4ABE	6ABE	6ABE	8			
PAH-16MS										
Acenaphthene$_A^{M\#}$	<0.01	0.07	0.11	0.10	0.73	0.19	-	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	0.06	0.02	0.02	0.04	0.04	-	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	<0.02	0.15	0.30	0.20	1.46	0.40	-	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.09	0.39	1.49	1.01	6.99	1.70	-	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.09	0.43	1.68	1.14	7.17	1.92	-	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.12	0.48	1.95	1.39	8.03	2.10	-	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.07	0.30	1.15	0.83	4.47	1.48	-	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	0.17	0.71	0.46	2.96	0.73	-	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.14	0.51	1.61	1.12	6.38	1.81	-	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	0.06	0.20	0.14	0.84	0.27	-	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.12	0.76	3.07	2.05	11.8	2.99	-	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	0.08	0.07	0.06	0.50	0.15	-	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.07	0.31	1.17	0.80	5.04	1.57	-	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	0.15	0.04	0.06	0.22	0.17	-	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.13	0.90	1.40	0.99	5.50	1.70	-	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.13	0.81	2.94	2.04	13.8	3.42	-	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	0.96	5.63	17.9	12.4	75.9	20.6	-	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/06795

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06795/1	20/06795/2	20/06795/4	20/06795/5	20/06795/7	20/06795/8	20/06795/9	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TP104	TP104	TP103	TP103	TT03	TT03	TT03			
Depth to Top	0.80	1.50	0.50	1.20	0.80	1.20	1.50			
Depth To Bottom										
Date Sampled	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Solid - Fragment / Tile			
Sample Matrix Code	6ABE	6AE	6ABE	4ABE	6ABE	6ABE	8			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	<0.01	-	<0.01	-	-	-	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	<0.01	-	<0.01	-	-	-	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	-	<1	-	-	-	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	<1	-	<1	-	-	-	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	<1	-	2	-	-	-	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	2	-	3	-	-	-	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	3	-	21	-	-	-	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	<1	-	6	-	-	-	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	6	-	32	-	-	-	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	<0.01	-	<0.01	-	-	-	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	-	<0.01	-	-	-	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	<1	-	1	-	-	-	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	-	<1	-	2	-	-	-	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	5	-	9	-	-	-	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	16	-	34	-	-	-	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	36	-	105	-	-	-	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	<1	-	6	-	-	-	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	58	-	159	-	-	-	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	64	-	191	-	-	-	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	-	<0.01	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	-	<0.01	-	-	-	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	-	<0.01	-	-	-	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	-	<0.01	-	-	-	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	-	<0.01	-	-	-	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	-	<0.01	-	-	-	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/06795

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06795/10	20/06795/11	20/06795/12	20/06795/13				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT03	TT02	TT02	TT02						
Depth to Top	1.80	0.60	1.40	2.00						
Depth To Bottom										
Date Sampled	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	6ABE	6ABE	6ABE	6ABE						
% Stones >10mm$_A$	<0.1	<0.1	31.0	<0.1				% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	9.47	8.87	9.93	11.18				pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	55	18	88	66				mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2				mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0538	0.0351	0.0257	0.0303				N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	<5	8				mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	73	255	27	40				mg/kg	1	A-T-024s
Barium$_D$	375	850	375	306				mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	2.3	1.7	1.5	1.3				mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.5	<1.0	<1.0	<1.0				mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	1.0	0.7	0.6	0.6				mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	108	47	60	48				mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	30	16	16	14				mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1	<1				mg/kg	1	A-T-040s
Chromium (trivalent)	30	16	16	14				mg/kg	1	Calc
Lead$_D$$^{M\#}$	263	219	389	287				mg/kg	1	A-T-024s
Mercury$_D$	1.18	2.39	1.41	1.50				mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	4	<1	1	1				mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	43	25	19	16				mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1				mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	43	42	29	25				mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	350	207	166	130				mg/kg	5	A-T-024s

Envirolab Job Number: 20/06795

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06795/10	20/06795/11	20/06795/12	20/06795/13				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT03	TT02	TT02	TT02						
Depth to Top	1.80	0.60	1.40	2.00						
Depth To Bottom										
Date Sampled	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	6ABE	6ABE	6ABE	6ABE						
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	Chrysotile	Chrysotile	NAD	Chrysotile						A-T-045
Asbestos Matrix (microscope)$_{D}$	Loose Fibres	Loose Fibres	-	Loose Fibres						A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A						A-T-045

Envirolab Job Number: 20/06795

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06795/10	20/06795/11	20/06795/12	20/06795/13				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT03	TT02	TT02	TT02						
Depth to Top	1.80	0.60	1.40	2.00						
Depth To Bottom										
Date Sampled	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	6ABE	6ABE	6ABE	6ABE						
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.33	0.24	0.17	0.27				mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.03	0.04	0.02	0.02				mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.53	0.52	0.33	0.49				mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	2.21	2.45	1.20	1.64				mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	2.38	2.96	1.34	1.60				mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	2.82	3.39	1.47	1.84				mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	1.56	2.01	0.90	1.02				mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.97	1.17	0.55	0.67				mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	2.43	2.65	1.29	1.70				mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.29	0.38	0.17	0.19				mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	4.27	5.03	2.53	3.77				mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.23	0.22	0.13	0.17				mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	1.71	2.22	0.98	1.13				mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.10	0.35	0.10	0.07				mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	2.42	2.49	1.48	2.22				mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	4.44	5.00	2.47	3.37				mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	26.7	31.1	15.1	20.2				mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/06795

Client Project Name: Plots O + N

Client Project Ref: 4134

Lab Sample ID	20/06795/10	20/06795/11	20/06795/12	20/06795/13				Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT03	TT02	TT02	TT02						
Depth to Top	1.80	0.60	1.40	2.00						
Depth To Bottom										
Date Sampled	12-Aug-20	12-Aug-20	12-Aug-20	12-Aug-20						
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES						
Sample Matrix Code	6ABE	6ABE	6ABE	6ABE						
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	-	-	<0.01				mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	-	-	<0.01				mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	2	-	-	<1				mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	2	-	-	<1				mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	6	-	-	3				mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	10	-	-	6				mg/kg	1	A-T-055s
Ali >C21-C35$_A$	29	-	-	29				mg/kg	1	A-T-055s
Ali >C35-C44$_A$	8	-	-	9				mg/kg	1	A-T-055s
Total Aliphatics$_A$	58	-	-	48				mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	-	-	<0.01				mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	-	-	<0.01				mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	9	-	-	2				mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	3	-	-	2				mg/kg	1	A-T-055s
Aro >C12-C16$_A$	17	-	-	12				mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	71	-	-	37				mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	280	-	-	115				mg/kg	1	A-T-055s
Aro >C35-C44$_A$	9	-	-	9				mg/kg	1	A-T-055s
Total Aromatics$_A$	391	-	-	178				mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	448	-	-	226				mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	-	-	<0.01				mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	-	-	<0.01				mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	-	-	<0.01				mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	-	-	<0.01				mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	-	-	<0.01				mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	-	-	<0.01				mg/kg	0.01	A-T-022s

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Plots O + N

Clients Project No: 4134

Project No: 20/06795

Date Received: 17/08/2020 (am)

Cool Box Temperatures (°C): 20.1 & 20.4

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT
SUPPLEMENT TO TEST REPORT 20/06845/1

Amendments: Request for Additional Analysis

Envirolab Job Number: 20/06845
Issue Number: 2 **Date:** 22 October, 2020

Client:
ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Liam Daley
Project Name: Plots O+N
Project Ref: 4134
Order No: 1573
Date Samples Received: 17/08/20
Date Instructions Received: 18/08/20
Date Analysis Completed: 22/10/20

Prepared by:

Melanie Marshall
Laboratory Coordinator

Approved by:

Sophie France
Client Service Manager

Envirolab Job Number: 20/06845

Client Project Name: Plots O+N

Client Project Ref: 4134

Lab Sample ID	20/06845/4	20/06845/5	20/06845/6	20/06845/7	20/06845/8	20/06845/9	20/06845/10	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT05	TT05	TT05	BH109A	BH109A	BH110	BH106			
Depth to Top	0.80	1.50	2.50	1.00	3.00	1.50	1.00			
Depth To Bottom										
Date Sampled	13-Aug-20	13-Aug-20	13-Aug-20	10-Aug-20	10-Aug-20	11-Aug-20	12-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6AE	6AE	5A	6A	6AE			
% Stones >10mm$_A$	6.6	10.8	17.4	<0.1	<0.1	24.9	20.0	% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.28	7.78	7.71	8.23	7.25	8.25	8.00	pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	37	1290	1250	27	344	41	410	mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1	3	<1	4	<1	mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0438	0.0184	0.0358	0.3163	0.0271	0.0400	0.0728	N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5	<5	15	<5	<5	<5	mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	25	15	17	57	10	364	20	mg/kg	1	A-T-024s
Barium$_D$	344	350	306	427	74	138	286	mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	1.4	0.9	1.0	1.7	0.8	1.7	1.7	mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	1.2	1.4	1.1	2.3	0.6	1.1	1.4	mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	75	65	62	3240	33	120	100	mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	19	17	15	29	17	28	17	mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<2	<2	<1	<1	<1	<1	mg/kg	1	A-T-040s
Chromium (trivalent)	19	17	15	29	17	28	17	mg/kg	1	Calc
Lead$_D$$^{M\#}$	333	407	395	1150	62	280	495	mg/kg	1	A-T-024s
Mercury$_D$	2.12	2.02	2.38	4.24	<0.17	1.25	2.90	mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	3	2	2	4	<1	3	5	mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	24	17	18	67	16	29	30	mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1	<1	<1	<1	<1	mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	33	22	23	33	21	26	28	mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	272	330	178	627	54	83	230	mg/kg	5	A-T-024s

Envirolab Job Number: 20/06845

Client Project Name: Plots O+N

Client Project Ref: 4134

Lab Sample ID	20/06845/4	20/06845/5	20/06845/6	20/06845/7	20/06845/8	20/06845/9	20/06845/10	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT05	TT05	TT05	BH109A	BH109A	BH110	BH106			
Depth to Top	0.80	1.50	2.50	1.00	3.00	1.50	1.00			
Depth To Bottom										
Date Sampled	13-Aug-20	13-Aug-20	13-Aug-20	10-Aug-20	10-Aug-20	11-Aug-20	12-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6AE	6AE	5A	6A	6AE			
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	NAD	Chrysotile	NAD	NAD	NAD			A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	-	Loose Fibres	-	-	-			A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A			A-T-045
Asbestos in Soil Quantification % (Hand Picking & Weighing)										
Asbestos in soil % composition (hand picking and weighing)$_{D}$	-	-	-	<0.001	-	-	-	% w/w	0.001	A-T-054

Envirolab Job Number: 20/06845

Client Project Name: Plots O+N

Client Project Ref: 4134

Lab Sample ID	20/06845/4	20/06845/5	20/06845/6	20/06845/7	20/06845/8	20/06845/9	20/06845/10	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT05	TT05	TT05	BH109A	BH109A	BH110	BH106			
Depth to Top	0.80	1.50	2.50	1.00	3.00	1.50	1.00			
Depth To Bottom										
Date Sampled	13-Aug-20	13-Aug-20	13-Aug-20	10-Aug-20	10-Aug-20	11-Aug-20	12-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6AE	6AE	5A	6A	6AE			
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.08	0.04	0.11	0.65	0.02	0.03	4.99	mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	0.01	<0.01	0.04	0.14	<0.01	<0.01	<0.10	mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.13	0.07	0.22	1.27	0.07	0.06	6.60	mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.44	0.33	0.56	4.51	0.18	0.24	11.8	mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.42	0.31	0.47	3.92	0.13	0.22	8.84	mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.58	0.40	0.59	4.79	0.17	0.28	11.8	mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.31	0.21	0.28	1.92	0.07	0.14	4.00	mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.19	0.13	0.21	1.80	<0.07	0.10	4.53	mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.54	0.39	0.66	4.76	0.19	0.29	15.3	mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	0.06	0.04	0.07	0.45	<0.04	<0.04	1.17	mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.90	0.65	1.24	9.70	0.27	0.47	31.3	mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	0.04	0.02	0.11	0.57	0.04	0.03	3.58	mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.33	0.24	0.31	2.30	0.09	0.16	5.10	mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	0.04	<0.03	0.10	0.34	<0.03	0.03	1.62	mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.65	0.41	1.23	7.00	0.26	0.36	43	mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.84	0.63	1.20	9.06	0.27	0.47	26.4	mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	5.56	3.87	7.40	53.2	1.76	2.88	180	mg/kg	0.01	A-T-019s

Envirolab Job Number: 20/06845

Client Project Name: Plots O+N

Client Project Ref: 4134

Lab Sample ID	20/06845/4	20/06845/5	20/06845/6	20/06845/7	20/06845/8	20/06845/9	20/06845/10	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	TT05	TT05	TT05	BH109A	BH109A	BH110	BH106			
Depth to Top	0.80	1.50	2.50	1.00	3.00	1.50	1.00			
Depth To Bottom										
Date Sampled	13-Aug-20	13-Aug-20	13-Aug-20	10-Aug-20	10-Aug-20	11-Aug-20	12-Aug-20			
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES			
Sample Matrix Code	6ABE	6AE	6AE	6AE	5A	6A	6AE			
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	-	<1	<1	-	<1	<1	<5	mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	-	<1	<1	-	<1	<1	<5	mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	-	<1	<1	-	1	<1	8	mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	-	2	2	-	1	<1	10	mg/kg	1	A-T-055s
Ali >C21-C35$_A$	-	7	9	-	4	9	84	mg/kg	1	A-T-055s
Ali >C35-C44$_A$	-	1	2	-	<1	3	17	mg/kg	1	A-T-055s
Total Aliphatics$_A$	-	11	14	-	6	13	118	mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	-	1	<1	-	<1	<1	<5	mg/kg	1	A-T-055s
Aro >C10-C12$_A^{M\#}$	-	<1	<1	-	<1	<1	17	mg/kg	1	A-T-055s
Aro >C12-C16$_A$	-	3	3	-	2	3	115	mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	-	14	10	-	5	6	409	mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	-	45	48	-	19	17	902	mg/kg	1	A-T-055s
Aro >C35-C44$_A$	-	2	4	-	2	4	25	mg/kg	1	A-T-055s
Total Aromatics$_A$	-	65	66	-	29	33	1470	mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	-	76	80	-	35	46	1580	mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	-	<0.01	<0.01	-	<0.01	<0.01	<0.01	mg/kg	0.01	A-T-022s

Envirolab Job Number: 20/06845

Client Project Name: Plots O+N

Client Project Ref: 4134

Lab Sample ID	20/06845/11	20/06845/12						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH107	BH108								
Depth to Top	1.00	1.00								
Depth To Bottom										
Date Sampled	13-Aug-20	14-Aug-20								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	6ABE								
% Stones >10mm$_A$	17.9	8.3						% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	9.55	9.47						pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	197	338						mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1						mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2						mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0052	0.0352						N/A	0.0003	A-T-032 FOC
Antimony$_D$	<5	<5						mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	5	8						mg/kg	1	A-T-024s
Barium$_D$	95	138						mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	<0.5	0.6						mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	<1.0	1.4						mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	0.7	0.6						mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	24	48						mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	15	15						mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1						mg/kg	1	A-T-040s
Chromium (trivalent)	15	15						mg/kg	1	Calc
Lead$_D$$^{M\#}$	34	143						mg/kg	1	A-T-024s
Mercury$_D$	0.95	2.06						mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	<1	<1						mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	10	13						mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1						mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	17	20						mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	89	82						mg/kg	5	A-T-024s

Envirolab Job Number: 20/06845

Client Project Name: Plots O+N

Client Project Ref: 4134

Lab Sample ID	20/06845/11	20/06845/12						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH107	BH108								
Depth to Top	1.00	1.00								
Depth To Bottom										
Date Sampled	13-Aug-20	14-Aug-20								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	6ABE								
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD								A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A								A-T-045

Envirolab Job Number: 20/06845

Client Project Name: Plots O+N

Client Project Ref: 4134

Lab Sample ID	20/06845/11	20/06845/12						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH107	BH108								
Depth to Top	1.00	1.00								
Depth To Bottom										
Date Sampled	13-Aug-20	14-Aug-20								
Sample Type	Soil - ES	Soil - ES								
Sample Matrix Code	4A	6ABE								
PAH-16MS										
Acenaphthene$_A^{M\#}$	0.02	0.07						mg/kg	0.01	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01						mg/kg	0.01	A-T-019s
Anthracene$_A^{M\#}$	0.03	0.09						mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.06	0.19						mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	<0.04	0.15						mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.06	0.21						mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	<0.05	0.12						mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	<0.07	<0.07						mg/kg	0.07	A-T-019s
Chrysene$_A^{M\#}$	0.07	0.23						mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04						mg/kg	0.04	A-T-019s
Fluoranthene$_A^{M\#}$	0.12	0.39						mg/kg	0.08	A-T-019s
Fluorene$_A^{M\#}$	<0.01	0.05						mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.04	0.12						mg/kg	0.03	A-T-019s
Naphthalene $_A^{M\#}$	<0.03	0.12						mg/kg	0.03	A-T-019s
Phenanthrene$_A^{M\#}$	0.14	0.47						mg/kg	0.03	A-T-019s
Pyrene$_A^{M\#}$	0.10	0.39						mg/kg	0.07	A-T-019s
Total PAH-16MS$_A^{M\#}$	0.64	2.60						mg/kg	0.01	A-T-019s

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Plots O+N

Clients Project No: 4134

Project No: 20/06845

Date Received: 18/08/2020 (am)

Cool Box Temperatures (°C): 19.9 & 20.1

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

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Analytical Report Number : 20-37383

Project / Site name:	Mayfield Park	**Samples received on:**	23/10/2020
Your job number:	4153	**Samples instructed on/ Analysis started on:**	23/10/2020
Your order number:		**Analysis completed by:**	03/11/2020
Report Issue Number:	1	**Report issued on:**	03/11/2020
Samples Analysed:	4 water samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 20-37383
Project / Site name: Mayfield Park

Lab Sample Number				1661217	1661218	1661219	1661220
Sample Reference				BH102	SW02	SW03	SW04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				20/10/2020	20/10/2020	20/10/2020	20/10/2020
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	7	8	8.1	7.9
Sulphate as SO4	mg/l	0.045	ISO 17025	339	77.3	77.9	84.4
Hardness - Total	mgCaCO3/l	1	ISO 17025	249	249	243	255
Speciated PAHs							
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 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
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	< 0.16	< 0.16
Heavy Metals / Metalloids							
Calcium (dissolved)	mg/l	0.012	ISO 17025	86	76	72	76
Magnesium (dissolved)	mg/l	0.005	ISO 17025	8.5	14	15	16
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.55	1.37	1.3	1.47
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.07	< 0.02	< 0.02	0.03
Chromium (dissolved)	µg/l	0.2	ISO 17025	1.5	1	1.5	2.2
Copper (dissolved)	µg/l	0.5	ISO 17025	4.8	13	4.7	6.9
Lead (dissolved)	µg/l	0.2	ISO 17025	< 0.2	< 0.2	< 0.2	0.8
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	5.6	2.4	2.4	4.8
Selenium (dissolved)	µg/l	0.6	ISO 17025	8.9	< 0.6	< 0.6	< 0.6
Zinc (dissolved)	µg/l	0.5	ISO 17025	13	7.1	6.3	44
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

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Analytical Report Number: 20-37383
Project / Site name: Mayfield Park

Lab Sample Number				1661217	1661218	1661219	1661220
Sample Reference				BH102	SW02	SW03	SW04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				20/10/2020	20/10/2020	20/10/2020	20/10/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
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	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10	< 10
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	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number : 20-37383
Project / Site name: Mayfield Park

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Total Hardness of water	Determination of hardness in waters by calculation from calcium and magnesium. Accredited Matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	W	ISO 17025
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
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	NONE
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
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-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.

Sample Deviation Report

Analytical Report Number : 20-37383
Project / Site name: Mayfield Park

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH102	None Supplied	W	1661217	c	pH at 20oC in water (automated)	L099-PL	c
SW02	None Supplied	W	1661218	c	pH at 20oC in water (automated)	L099-PL	c
SW03	None Supplied	W	1661219	c	pH at 20oC in water (automated)	L099-PL	c
SW04	None Supplied	W	1661220	c	pH at 20oC in water (automated)	L099-PL	c

Key: **a** - No sampling date **b** - Incorrect container
c - Holding time **d** - Headspace **e** - Temperature

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Analytical Report Number : 20-39408

Project / Site name:	Mayfield Park	**Samples received on:**	23/10/2020
Your job number:	4153	**Samples instructed on/ Analysis started on:**	05/11/2020
Your order number:	1593	**Analysis completed by:**	16/11/2020
Report Issue Number:	1	**Report issued on:**	16/11/2020
Samples Analysed:	1 water sample		

Signed:

Karolina Marek
PL Head of Reporting Team
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: 20-39408
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1672559
Sample Reference				BH301
Sample Number				None Supplied
Depth (m)				None Supplied
Date Sampled				20/10/2020
Time Taken				None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
General Inorganics				
pH	pH Units	N/A	ISO 17025	7.3
Sulphate as SO4	mg/l	0.045	ISO 17025	253
Hardness - Total	mgCaCO3/l	1	ISO 17025	604
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				
Calcium (dissolved)	mg/l	0.012	ISO 17025	190
Magnesium (dissolved)	mg/l	0.005	ISO 17025	29
Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.66
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.06
Chromium (dissolved)	µg/l	0.2	ISO 17025	3.1
Copper (dissolved)	µg/l	0.5	ISO 17025	6.4
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	9.2
Selenium (dissolved)	µg/l	0.6	ISO 17025	0.9
Zinc (dissolved)	µg/l	0.5	ISO 17025	30
Monoaromatics & Oxygenates				
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

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Analytical Report Number: 20-39408
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1672559
Sample Reference				BH301
Sample Number				None Supplied
Depth (m)				None Supplied
Date Sampled				20/10/2020
Time Taken				None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
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 - Aliphatic >C10 - C12	µg/l	10	NONE	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10
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
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number : 20-39408
Project / Site name: Mayfield Park

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Total Hardness of water	Determination of hardness in waters by calculation from calcium and magnesium. Accredited Matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	W	ISO 17025
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
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	NONE
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
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-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.

Sample Deviation Report

Analytical Report Number : 20-39408
Project / Site name: Mayfield Park

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH301	None Supplied	W	1672559	c	BTEX and MTBE in water (Monoaromatics)	L073B-PL	c
BH301	None Supplied	W	1672559	c	Metals in water by ICP-MS (dissolved)	L012-PL	c
BH301	None Supplied	W	1672559	c	Metals in water by ICP-OES (dissolved)	L039-PL	c
BH301	None Supplied	W	1672559	c	Speciated EPA-16 PAHs in water	L102B-PL	c
BH301	None Supplied	W	1672559	c	Sulphate in water	L039-PL	c
BH301	None Supplied	W	1672559	c	TPHCWG (Waters)	L070-PL	c
BH301	None Supplied	W	1672559	c	Total Hardness of water	L045-PL	c
BH301	None Supplied	W	1672559	c	pH at 20oC in water (automated)	L099-PL	c

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Analytical Report Number : 20-43977

Project / Site name:	Mayfield Park	**Samples received on:**	27/11/2020
Your job number:	4153	**Samples instructed on/ Analysis started on:**	30/11/2020
Your order number:	1593	**Analysis completed by:**	03/12/2020
Report Issue Number:	1	**Report issued on:**	03/12/2020
Samples Analysed:	10 water samples		

Signed:

Karolina Marek
PL Head of Reporting Team
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.

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

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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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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699061	1699062	1699063	1699064
Sample Reference				SW01	SW02	SW03	SW04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020	26/11/2020	26/11/2020
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	8	8	8.1	8.1
Sulphate as SO4	mg/l	0.045	ISO 17025	59.1	59.1	59	65.9
Hardness - Total	mgCaCO3/l	1	ISO 17025	191	196	190	205
Speciated PAHs							
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 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
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	< 0.16	< 0.16
Heavy Metals / Metalloids							
Calcium (dissolved)	mg/l	0.012	ISO 17025	57	58	56	63
Magnesium (dissolved)	mg/l	0.005	ISO 17025	12	12	12	12
Arsenic (dissolved)	µg/l	0.15	ISO 17025	1.14	1.21	1.09	1.2
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.02	0.02	0.02	0.03
Chromium (dissolved)	µg/l	0.2	ISO 17025	2	1.9	1.9	1.8
Copper (dissolved)	µg/l	0.5	ISO 17025	6.1	6.2	9.8	7.2
Lead (dissolved)	µg/l	0.2	ISO 17025	1.8	1.1	1	2.4
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	2.6	2.7	7.2	2.8
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6	< 0.6	< 0.6
Zinc (dissolved)	µg/l	0.5	ISO 17025	8.8	10	14	6
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

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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699061	1699062	1699063	1699064
Sample Reference				SW01	SW02	SW03	SW04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020	26/11/2020	26/11/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
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	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10	< 10
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	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10	< 10
VOCs							
Chloromethane	µg/l	1	ISO 17025	-	-	-	-
Chloroethane	µg/l	1	ISO 17025	-	-	-	-
Bromomethane	µg/l	1	ISO 17025	-	-	-	-
Vinyl Chloride	µg/l	1	NONE	-	-	-	-
Trichlorofluoromethane	µg/l	1	NONE	-	-	-	-
1,1-Dichloroethene	µg/l	1	ISO 17025	-	-	-	-
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	-	-	-	-
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	-	-	-	-
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	-	-	-	-
1,1-Dichloroethane	µg/l	1	ISO 17025	-	-	-	-
2,2-Dichloropropane	µg/l	1	ISO 17025	-	-	-	-
Trichloromethane	µg/l	1	ISO 17025	-	-	-	-
1,1,1-Trichloroethane	µg/l	1	ISO 17025	-	-	-	-
1,2-Dichloroethane	µg/l	1	ISO 17025	-	-	-	-
1,1-Dichloropropene	µg/l	1	ISO 17025	-	-	-	-
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	-	-	-	-
Benzene	µg/l	1	ISO 17025	-	-	-	-
Tetrachloromethane	µg/l	1	ISO 17025	-	-	-	-
1,2-Dichloropropane	µg/l	1	ISO 17025	-	-	-	-
Trichloroethene	µg/l	1	ISO 17025	-	-	-	-
Dibromomethane	µg/l	1	ISO 17025	-	-	-	-
Bromodichloromethane	µg/l	1	ISO 17025	-	-	-	-
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	-	-	-	-
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	-	-	-	-
Toluene	µg/l	1	ISO 17025	-	-	-	-
1,1,2-Trichloroethane	µg/l	1	ISO 17025	-	-	-	-
1,3-Dichloropropane	µg/l	1	ISO 17025	-	-	-	-
Dibromochloromethane	µg/l	1	ISO 17025	-	-	-	-
Tetrachloroethene	µg/l	1	ISO 17025	-	-	-	-
1,2-Dibromoethane	µg/l	1	ISO 17025	-	-	-	-
Chlorobenzene	µg/l	1	ISO 17025	-	-	-	-
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	-	-	-	-
Ethylbenzene	µg/l	1	ISO 17025	-	-	-	-
p & m-Xylene	µg/l	1	ISO 17025	-	-	-	-

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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699061	1699062	1699063	1699064
Sample Reference				SW01	SW02	SW03	SW04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020	26/11/2020	26/11/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
Styrene	µg/l	1	ISO 17025	-	-	-	-
Tribromomethane	µg/l	1	ISO 17025	-	-	-	-
o-Xylene	µg/l	1	ISO 17025	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	-	-	-	-
Isopropylbenzene	µg/l	1	ISO 17025	-	-	-	-
Bromobenzene	µg/l	1	ISO 17025	-	-	-	-
n-Propylbenzene	µg/l	1	ISO 17025	-	-	-	-
2-Chlorotoluene	µg/l	1	ISO 17025	-	-	-	-
4-Chlorotoluene	µg/l	1	ISO 17025	-	-	-	-
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	-	-	-	-
tert-Butylbenzene	µg/l	1	ISO 17025	-	-	-	-
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	-	-	-	-
sec-Butylbenzene	µg/l	1	ISO 17025	-	-	-	-
1,3-Dichlorobenzene	µg/l	1	ISO 17025	-	-	-	-
p-Isopropyltoluene	µg/l	1	ISO 17025	-	-	-	-
1,2-Dichlorobenzene	µg/l	1	ISO 17025	-	-	-	-
1,4-Dichlorobenzene	µg/l	1	ISO 17025	-	-	-	-
Butylbenzene	µg/l	1	ISO 17025	-	-	-	-
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	-	-	-	-
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	-	-	-	-
Hexachlorobutadiene	µg/l	1	ISO 17025	-	-	-	-
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	-	-	-	-

SVOCs

Aniline	µg/l	0.05	NONE	-	-	-	-
Phenol	µg/l	0.05	NONE	-	-	-	-
2-Chlorophenol	µg/l	0.05	NONE	-	-	-	-
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	-	-	-	-
1,3-Dichlorobenzene	µg/l	0.05	NONE	-	-	-	-
1,2-Dichlorobenzene	µg/l	0.05	NONE	-	-	-	-
1,4-Dichlorobenzene	µg/l	0.05	NONE	-	-	-	-
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	-	-	-	-
2-Methylphenol	µg/l	0.05	NONE	-	-	-	-
Hexachloroethane	µg/l	0.05	NONE	-	-	-	-
Nitrobenzene	µg/l	0.05	NONE	-	-	-	-
4-Methylphenol	µg/l	0.05	NONE	-	-	-	-
Isophorone	µg/l	0.05	NONE	-	-	-	-
2-Nitrophenol	µg/l	0.05	NONE	-	-	-	-
2,4-Dimethylphenol	µg/l	0.05	NONE	-	-	-	-
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	-	-	-	-
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	-	-	-	-
Naphthalene	µg/l	0.01	ISO 17025	-	-	-	-
2,4-Dichlorophenol	µg/l	0.05	NONE	-	-	-	-
4-Chloroaniline	µg/l	0.05	NONE	-	-	-	-
Hexachlorobutadiene	µg/l	0.05	NONE	-	-	-	-
4-Chloro-3-methylphenol	µg/l	0.05	NONE	-	-	-	-
2,4,6-Trichlorophenol	µg/l	0.05	NONE	-	-	-	-
2,4,5-Trichlorophenol	µg/l	0.05	NONE	-	-	-	-
2-Methylnaphthalene	µg/l	0.05	NONE	-	-	-	-
2-Chloronaphthalene	µg/l	0.05	NONE	-	-	-	-
Dimethylphthalate	µg/l	0.05	NONE	-	-	-	-
2,6-Dinitrotoluene	µg/l	0.05	NONE	-	-	-	-
Acenaphthylene	µg/l	0.01	ISO 17025	-	-	-	-
Acenaphthene	µg/l	0.01	ISO 17025	-	-	-	-

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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699061	1699062	1699063	1699064
Sample Reference				SW01	SW02	SW03	SW04
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020	26/11/2020	26/11/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
2,4-Dinitrotoluene	µg/l	0.05	NONE	-	-	-	-
Dibenzofuran	µg/l	0.05	NONE	-	-	-	-
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	-	-	-	-
Diethyl phthalate	µg/l	0.05	NONE	-	-	-	-
4-Nitroaniline	µg/l	0.05	NONE	-	-	-	-
Fluorene	µg/l	0.01	ISO 17025	-	-	-	-
Azobenzene	µg/l	0.05	NONE	-	-	-	-
Bromophenyl phenyl ether	µg/l	0.05	NONE	-	-	-	-
Hexachlorobenzene	µg/l	0.05	NONE	-	-	-	-
Phenanthrene	µg/l	0.01	ISO 17025	-	-	-	-
Anthracene	µg/l	0.01	ISO 17025	-	-	-	-
Carbazole	µg/l	0.05	NONE	-	-	-	-
Dibutyl phthalate	µg/l	0.05	NONE	-	-	-	-
Anthraquinone	µg/l	0.05	NONE	-	-	-	-
Fluoranthene	µg/l	0.01	ISO 17025	-	-	-	-
Pyrene	µg/l	0.01	ISO 17025	-	-	-	-
Butyl benzyl phthalate	µg/l	0.05	NONE	-	-	-	-
Benzo(a)anthracene	µg/l	0.01	ISO 17025	-	-	-	-
Chrysene	µg/l	0.01	ISO 17025	-	-	-	-
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	-	-	-	-
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	-	-	-	-
Benzo(a)pyrene	µg/l	0.01	ISO 17025	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	-	-	-	-
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	-	-	-	-
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	-	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699065	1699066	1699067	1699068
Sample Reference				BH102	BH105	BH107	BH108
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020	26/11/2020	26/11/2020
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	7.3	7.3	7.6	6.9
Sulphate as SO4	mg/l	0.045	ISO 17025	73.1	193	617	481
Hardness - Total	mgCaCO3/l	1	ISO 17025	168	357	1020	746
Speciated PAHs							
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 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
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	< 0.16	< 0.16
Heavy Metals / Metalloids							
Calcium (dissolved)	mg/l	0.012	ISO 17025	53	110	340	220
Magnesium (dissolved)	mg/l	0.005	ISO 17025	8.9	17	38	47
Arsenic (dissolved)	µg/l	0.15	ISO 17025	2.88	60.8	8.13	1.01
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	0.04	0.06	0.14
Chromium (dissolved)	µg/l	0.2	ISO 17025	1.5	2.2	5.3	4.7
Copper (dissolved)	µg/l	0.5	ISO 17025	5	5.2	9.8	17
Lead (dissolved)	µg/l	0.2	ISO 17025	0.2	1	0.5	5.9
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.7	5.6	5.2	5
Selenium (dissolved)	µg/l	0.6	ISO 17025	1.6	2	7.2	3.1
Zinc (dissolved)	µg/l	0.5	ISO 17025	3.3	20	7.9	18
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

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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699065	1699066	1699067	1699068
Sample Reference				BH102	BH105	BH107	BH108
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020	26/11/2020	26/11/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
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	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10	< 10
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	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10	< 10
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	-	-	-

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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699065	1699066	1699067	1699068
Sample Reference				BH102	BH105	BH107	BH108
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020	26/11/2020	26/11/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
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	-	-	-

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	-	-	-

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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699065	1699066	1699067	1699068
Sample Reference				BH102	BH105	BH107	BH108
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020	26/11/2020	26/11/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
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	-	-	-

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699069	1699070
Sample Reference				BH110	WS328
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020
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	7.6	7.4
Sulphate as SO4	mg/l	0.045	ISO 17025	37.8	216
Hardness - Total	mgCaCO3/l	1	ISO 17025	221	328
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	1.98
Fluorene	µg/l	0.01	ISO 17025	< 0.01	4.89
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	1.18
Anthracene	µg/l	0.01	ISO 17025	< 0.01	1.34
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	2.5
Pyrene	µg/l	0.01	ISO 17025	< 0.01	4.94
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	1.7
Chrysene	µg/l	0.01	ISO 17025	< 0.01	2.12
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	1.88
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	0.72
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	1.49
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	0.93
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	0.33
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	1.47
Total PAH					
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	27.5
Heavy Metals / Metalloids					
Calcium (dissolved)	mg/l	0.012	ISO 17025	70	110
Magnesium (dissolved)	mg/l	0.005	ISO 17025	11	12
Arsenic (dissolved)	µg/l	0.15	ISO 17025	597	2.83
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	0.04
Chromium (dissolved)	µg/l	0.2	ISO 17025	2.2	2.8
Copper (dissolved)	µg/l	0.5	ISO 17025	0.9	1.5
Lead (dissolved)	µg/l	0.2	ISO 17025	0.4	1.5
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	1.5	4
Selenium (dissolved)	µg/l	0.6	ISO 17025	< 0.6	< 0.6
Zinc (dissolved)	µg/l	0.5	ISO 17025	3.4	3.8
Monoaromatics & Oxygenates					
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

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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699069	1699070
Sample Reference				BH110	WS328
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
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 - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	3400
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	12000
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	14000
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	6800
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	36000
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
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	1100
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	5400
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	11000
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	2500
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10	20000
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

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Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699069	1699070
Sample Reference				BH110	WS328
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
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

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	-	2

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 20-43977
Project / Site name: Mayfield Park

Your Order No: 1593

Lab Sample Number				1699069	1699070
Sample Reference				BH110	WS328
Sample Number				None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied
Date Sampled				26/11/2020	26/11/2020
Time Taken				None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**		
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	-	4.9
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	-	1.2
Anthracene	µg/l	0.01	ISO 17025	-	1.3
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	-	2.5
Pyrene	µg/l	0.01	ISO 17025	-	4.9
Butyl benzyl phthalate	µg/l	0.05	NONE	-	< 0.05
Benzo(a)anthracene	µg/l	0.01	ISO 17025	-	1.7
Chrysene	µg/l	0.01	ISO 17025	-	2.1
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	-	1.9
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	-	0.72
Benzo(a)pyrene	µg/l	0.01	ISO 17025	-	1.5
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	-	0.93
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	-	0.33
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	-	1.5

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 : 20-43977
Project / Site name: Mayfield Park

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Total Hardness of water	Determination of hardness in waters by calculation from calcium and magnesium. Accredited Matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	W	ISO 17025
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
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
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	NONE
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
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
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-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.

Sample Deviation Report

Analytical Report Number : 20-43977
Project / Site name: Mayfield Park

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
BH102	None Supplied	W	1699065	c	pH at 20oC in water (automated)	L099-PL	c
BH105	None Supplied	W	1699066	c	pH at 20oC in water (automated)	L099-PL	c
BH107	None Supplied	W	1699067	c	pH at 20oC in water (automated)	L099-PL	c
BH108	None Supplied	W	1699068	c	pH at 20oC in water (automated)	L099-PL	c
BH110	None Supplied	W	1699069	c	pH at 20oC in water (automated)	L099-PL	c
SW01	None Supplied	W	1699061	c	pH at 20oC in water (automated)	L099-PL	c
SW02	None Supplied	W	1699062	c	pH at 20oC in water (automated)	L099-PL	c
SW03	None Supplied	W	1699063	c	pH at 20oC in water (automated)	L099-PL	c
SW04	None Supplied	W	1699064	c	pH at 20oC in water (automated)	L099-PL	c
WS328	None Supplied	W	1699070	c	pH at 20oC in water (automated)	L099-PL	c

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/01352
Issue Number: 1 **Date:** 17 February, 2021

Client:
ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Liam Daley; Alex Smiles/Reece McGuinness; Alex Smi
Project Name: Mayfield Park
Project Ref: 4153
Order No: 1636
Date Samples Received: 10/02/21
Date Instructions Received: 11/02/21
Date Analysis Completed: 17/02/21

Prepared by:

Holly Neary-King
Client Services Supervisor

Approved by:

Danielle Brierley
Client Manager

UKAS TESTING
1247

Envirolab Job Number: 21/01352

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01352/2	21/01352/3	21/01352/4	21/01352/6	21/01352/7	21/01352/8		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO104	RO104	RO105	RO106	RO107	RO107				
Depth to Top	2.00	6.30	1.00	0.75	1.20	5.50				
Depth To Bottom										
Date Sampled	08-Feb-21	08-Feb-21	09-Feb-21	09-Feb-21	10-Feb-21	10-Feb-21				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	6AB	6A	6A	6B	6A	1A				
% Stones >10mm$_A$	23.0	29.5	39.1	22.7	14.7	19.4		% w/w	0.1	A-T-044
Leachate Prep BS EN 12457-1 (2:1) (1 no)$_A$	*	*	*	*	*	*				A-T-001
Leachate Prep BS EN 12457-1 (2:1) (2 no)$_A$	*	*	*	*	*	*				A-T-001
pH (leachable)$_A^{\#}$	7.58	7.89	7.67	7.72	7.78	7.72		pH	0.01	A-T-031w
Sulphate (leachable)$_A^{\#}$	33.85	37.32	23.12	17.05	148.65	21.74		mg/l	1	A-T-026w
DOC (leachable)$_A^{\#}$	835	35.8	15.2	4.8	59.6	12.0		mg/l	0.2	A-T-032w
Antimony (leachable)$_A^{\#}$	17	1	<1	2	2	2		µg/l	1	A-T-025w
Arsenic (leachable)$_A^{\#}$	6	2	1	4	3	2		µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	4170	323	87	35	482	58		µg/l	10	A-T-025w
Barium (leachable)$_A^{\#}$	67	59	71	51	26	14		µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	<1	<1	<1	<1	<1	<1		µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	<1	<1	<1	<1	<1	<1		µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	16	<1	2	3	2	2		µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	25	<1	<1	1	<1	<1		µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		mg/l	0.05	Calc
Lead (leachable)$_A^{\#}$	61	<1	<1	4	<1	<1		µg/l	1	A-T-025w
Mercury (leachable)$_A^{\#}$	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	33	10	5	29	53	8		µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	2	<1	2	<1	<1	<1		µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	2	<1	<1	<1	<1	<1		µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	4	<1	<1	3	2	2		µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	25	2	3	5	3	2		µg/l	1	A-T-025w
1,2,4-Trimethylbenzene (leachable)$_A$	<1	<1	<1	<1	<1	<1		µg/l	1	A-T-006w
Isopropylbenzene (leachable)$_A$	<1	<1	<1	<1	<1	<1		µg/l	1	A-T-006w
n-propylbenzene (leachable)$_A$	<1	<1	<1	<1	<1	<1		µg/l	1	A-T-006w
Styrene (leachable)$_A$	<1	<1	<1	<1	<1	<1		µg/l	1	A-T-006w
Carbon Disulphide (leachable)$_A$	<1	<1	<1	<1	<1	<1		µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	<1	<1	<1	<1	<1	<1		µg/l	1	A-T-006w

Envirolab Job Number: 21/01352

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01352/2	21/01352/3	21/01352/4	21/01352/6	21/01352/7	21/01352/8		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO104	RO104	RO105	RO106	RO107	RO107				
Depth to Top	2.00	6.30	1.00	0.75	1.20	5.50				
Depth To Bottom										
Date Sampled	08-Feb-21	08-Feb-21	09-Feb-21	09-Feb-21	10-Feb-21	10-Feb-21				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	6AB	6A	6A	6B	6A	1A				
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	0.25	0.02	1.22	0.12	0.39	0.44		µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	<0.02	<0.02	0.04	<0.02	<0.02	<0.02		µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	0.08	<0.02	0.21	<0.02	0.11	0.07		µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	0.03	<0.02	0.05	0.03	<0.02	0.03		µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	<0.02	<0.02	0.02	0.02	<0.02	<0.02		µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	<0.02	<0.02	0.04	<0.02	<0.02	<0.02		µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	<0.02	<0.02	0.03	<0.02	<0.02	<0.02		µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	0.04	<0.02	0.06	0.04	<0.02	0.05		µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	0.21	<0.02	0.43	0.10	0.14	0.22		µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	0.15	<0.02	1.03	<0.02	0.32	0.20		µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	0.06	<0.02	0.17	<0.02	0.39	0.10		µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	0.08	<0.02	1.01	<0.02	0.60	0.21		µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	0.17	<0.02	0.45	0.08	0.10	0.28		µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	1.07	0.02	4.76	0.39	2.05	1.60		µg/l	0.02	A-T-019w

Envirolab Job Number: 21/01352

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01352/2	21/01352/3	21/01352/4	21/01352/6	21/01352/7	21/01352/8		Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO104	RO104	RO105	RO106	RO107	RO107				
Depth to Top	2.00	6.30	1.00	0.75	1.20	5.50				
Depth To Bottom										
Date Sampled	08-Feb-21	08-Feb-21	09-Feb-21	09-Feb-21	10-Feb-21	10-Feb-21				
Sample Type	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES	Soil - ES				
Sample Matrix Code	6AB	6A	6A	6B	6A	1A				
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	<0.002	<0.002	0.005	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	<0.002	<0.002	0.005	<0.002	<0.002	<0.002		µg/l	0.002	A-T-004w

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Mayfield Park

Clients Project No: 4153

Project No: 21/01352

Date Received: 11/02/2021 (am)

Cool Box Temperatures (°C): 0.5

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/01470
Issue Number: 1 **Date:** 19 February, 2021

Client: ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Reece McGuinness; Alex Smiles
Project Name: Mayfield
Project Ref: 4153
Order No: 1636
Date Samples Received: 15/02/21
Date Instructions Received: 15/02/21
Date Analysis Completed: 18/02/21

Prepared by:

Danielle Brierley
Client Manager

Approved by:

Holly Neary-King
Client Services Supervisor

Envirolab Job Number: 21/01470

Client Project Name: Mayfield

Client Project Ref: 4153

Lab Sample ID	21/01470/1	21/01470/2	21/01470/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103							
Depth to Top	0.50	1.20	0.50							
Depth To Bottom										
Date Sampled	10-Feb-21	11-Feb-21	11-Feb-21							
Sample Type	Solid	Soil	Soil							
Sample Matrix Code	7	4B	2AE							
% Stones >10mm$_A$	<0.1	15.5	7.2					% w/w	0.1	A-T-044
Leachate Prep BS EN 12457-1 (2:1) (2 no)$_A$	*	*	*							A-T-001
pH (leachable)$_A^{\#}$	11.80	8.16	7.37					pH	0.01	A-T-031w
Sulphate (leachable)$_A^{\#}$	27.61	1610	209.57					mg/l	1	A-T-026w
DOC (leachable)$_A^{\#}$	16.2	69.3	6.6					mg/l	0.2	A-T-032w
Antimony (leachable)$_A^{\#}$	14	1	5					µg/l	1	A-T-025w
Arsenic (leachable)$_A^{\#}$	83	82	9					µg/l	1	A-T-025w
Boron (leachable)$_A^{\#}$	36	442	261					µg/l	10	A-T-025w
Barium (leachable)$_A^{\#}$	45	20	35					µg/l	1	A-T-025w
Beryllium (leachable)$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-025w
Cadmium (leachable)$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-025w
Copper (leachable)$_A^{\#}$	79	2	5					µg/l	1	A-T-025w
Chromium (leachable)$_A^{\#}$	16	4	5					µg/l	1	A-T-025w
Chromium (hexavalent) (leachable)$_A$	<0.05	<0.05	<0.05					mg/l	0.05	A-T-040w
Chromium (trivalent) (10:1 leachable)	<0.05	<0.05	<0.05					mg/l	0.05	Calc
Lead (leachable)$_A^{\#}$	7	<1	8					µg/l	1	A-T-025w
Mercury (leachable)$_A^{\#}$	<0.1	<0.1	<0.1					µg/l	0.1	A-T-025w
Molybdenum (leachable)$_A^{\#}$	15	13	23					µg/l	1	A-T-025w
Nickel (leachable)$_A^{\#}$	2	<1	<1					µg/l	1	A-T-025w
Selenium (leachable)$_A^{\#}$	5	3	3					µg/l	1	A-T-025w
Vanadium (leachable)$_A^{\#}$	41	3	1					µg/l	1	A-T-025w
Zinc (leachable)$_A^{\#}$	10	2	9					µg/l	1	A-T-025w
Carbon Disulphide (leachable)$_A$	<1	<1	<1					µg/l	1	A-T-006w
Hexachlorobutadiene (leachable)$_A$	<1	<1	<1					µg/l	1	A-T-006w

Envirolab Job Number: 21/01470

Client Project Name: Mayfield

Client Project Ref: 4153

Lab Sample ID	21/01470/1	21/01470/2	21/01470/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103							
Depth to Top	0.50	1.20	0.50							
Depth To Bottom										
Date Sampled	10-Feb-21	11-Feb-21	11-Feb-21							
Sample Type	Solid	Soil	Soil							
Sample Matrix Code	7	4B	2AE							
PAH 16MS (leachable)										
Acenaphthene (leachable)$_A$	0.17	<0.02	<0.02					µg/l	0.02	A-T-019w
Acenaphthylene (leachable)$_A$	0.04	<0.02	<0.02					µg/l	0.02	A-T-019w
Anthracene (leachable)$_A$	<0.02	<0.02	<0.02					µg/l	0.02	A-T-019w
Benzo(a)anthracene (leachable)$_A$	<0.02	<0.02	<0.02					µg/l	0.02	A-T-019w
Benzo(a)pyrene (leachable) $_A$	<0.02	<0.02	<0.02					µg/l	0.02	A-T-019w
Benzo(b)fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02					µg/l	0.02	A-T-019w
Benzo(ghi)perylene (leachable)$_A$	<0.02	<0.02	<0.02					µg/l	0.02	A-T-019w
Benzo(k)fluoranthene (leachable)$_A$	<0.02	<0.02	<0.02					µg/l	0.02	A-T-019w
Chrysene (leachable)$_A$	<0.02	<0.02	<0.02					µg/l	0.02	A-T-019w
Dibenzo(ah)anthracene (leachable)$_A$	<0.02	<0.02	<0.02					µg/l	0.02	A-T-019w
Fluoranthene (leachable)$_A$	<0.02	<0.02	0.03					µg/l	0.02	A-T-019w
Fluorene (leachable)$_A$	0.08	<0.02	<0.02					µg/l	0.02	A-T-019w
Indeno(123-cd)pyrene (leachable)$_A$	<0.02	<0.02	<0.02					µg/l	0.02	A-T-019w
Naphthalene (leachable) $_A$	0.48	0.04	<0.02					µg/l	0.02	A-T-019w
Phenanthrene (leachable)$_A$	0.10	<0.02	<0.02					µg/l	0.02	A-T-019w
Pyrene (leachable)$_A$	<0.02	<0.02	0.03					µg/l	0.02	A-T-019w
Total PAH 16MS (leachable)$_A$	0.87	0.04	0.06					µg/l	0.02	A-T-019w

Envirolab Job Number: 21/01470

Client Project Name: Mayfield

Client Project Ref: 4153

Lab Sample ID	21/01470/1	21/01470/2	21/01470/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103							
Depth to Top	0.50	1.20	0.50							
Depth To Bottom										
Date Sampled	10-Feb-21	11-Feb-21	11-Feb-21							
Sample Type	Solid	Soil	Soil							
Sample Matrix Code	7	4B	2AE							
Speciated PCB-EC7 & WHO12 (leachable)										
PCB BZ 28 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 52 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 101 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 118 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 138 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 153 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 180 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 77 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 81 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 105 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 114 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 123 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 126 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 156 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 157 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 167 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 169 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
PCB BZ 189 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w
Total Speciated PCB-EC7 & WHO12 (leachable)$_A$	<0.002	<0.002	<0.002					µg/l	0.002	A-T-004w

Envirolab Job Number: 21/01470

Client Project Name: Mayfield

Client Project Ref: 4153

Lab Sample ID	21/01470/1	21/01470/2	21/01470/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103							
Depth to Top	0.50	1.20	0.50							
Depth To Bottom										
Date Sampled	10-Feb-21	11-Feb-21	11-Feb-21							
Sample Type	Solid	Soil	Soil							
Sample Matrix Code	7	4B	2AE							
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	2	<1	1					mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	7	<1	1					mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	45	<1	3					mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	32	1	6					mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	142	6	25					mg/kg	1	A-T-055s
Ali >C35-C44$_A$	73	2	13					mg/kg	1	A-T-055s
Total Aliphatics$_A$	302	9	50					mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	4	<1	1					mg/kg	1	A-T-055s
Aro >C10-C12$_A$	2	<1	2					mg/kg	1	A-T-055s
Aro >C12-C16$_A$	22	2	9					mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	29	4	51					mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	123	16	217					mg/kg	1	A-T-055s
Aro >C35-C44$_A$	65	2	14					mg/kg	1	A-T-055s
Total Aromatics$_A$	245	25	294					mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	547	34	344					mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Mayfield

Clients Project No: 4153

Project No: 21/01470

Date Received: 15/02/2021 (pm)

Cool Box Temperatures (°C): 10.1

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

4041

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Analytical Report Number : 20-31886

Project / Site name:	Plot O+N	**Samples received on:**	24/09/2020
Your job number:	4143	**Samples instructed on/ Analysis started on:**	25/09/2020
Your order number:	1587	**Analysis completed by:**	05/10/2020
Report Issue Number:	1	**Report issued on:**	05/10/2020
Samples Analysed:	7 water samples		

Signed: Karolina Marek

Karolina Marek
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 20-31886
Project / Site name: Plot O+N

Your Order No: 1587

Lab Sample Number				1629992	1629993	1629994	1629995
Sample Reference				BH105	BH106	BH107	BH108
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				23/09/2020	23/09/2020	23/09/2020	23/09/2020
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	7.9	10.3	8	7
Sulphate as SO4	mg/l	0.045	ISO 17025	309	925	863	751
Hardness - Total	mgCaCO3/l	1	ISO 17025	433	850	1430	1230
Speciated PAHs							
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.28	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.61	< 0.01
Pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.62	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.3	< 0.01
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.26	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.35	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.12	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.25	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.13	< 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	0.16	< 0.01
Total PAH							
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	< 0.16	3.08	< 0.16
Heavy Metals / Metalloids							
Calcium (dissolved)	mg/l	0.012	ISO 17025	140	340	480	390
Magnesium (dissolved)	mg/l	0.005	ISO 17025	21	2.2	58	62
Arsenic (dissolved)	µg/l	0.15	ISO 17025	50.8	11	10.7	2.56
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.05	0.11	0.06	0.33
Chromium (dissolved)	µg/l	0.2	ISO 17025	1.8	0.7	5.6	3.8
Copper (dissolved)	µg/l	0.5	ISO 17025	4.3	15	12	26
Lead (dissolved)	µg/l	0.2	ISO 17025	0.5	0.3	0.7	9.5
Mercury (dissolved)	µg/l	0.05	ISO 17025	0.12	0.35	0.25	0.12
Nickel (dissolved)	µg/l	0.5	ISO 17025	5.8	12	9.5	11
Selenium (dissolved)	µg/l	0.6	ISO 17025	2.4	10	5.7	3.4
Zinc (dissolved)	µg/l	0.5	ISO 17025	3.1	9.7	13	28
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

This certificate should not be reproduced, except in full, without the express permission of the laboratory.
The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 20-31886
Project / Site name: Plot O+N

Your Order No: 1587

Lab Sample Number				1629992	1629993	1629994	1629995
Sample Reference				BH105	BH106	BH107	BH108
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				23/09/2020	23/09/2020	23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**				
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	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10	< 10
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	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10	< 10

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: 20-31886
Project / Site name: Plot O+N

Your Order No: 1587

Lab Sample Number				1629996	1629997	1629998
Sample Reference				BH110	SW01	SW02
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				23/09/2020	23/09/2020	23/09/2020
Time Taken				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	7.6	7.7	7.8
Sulphate as SO4	mg/l	0.045	ISO 17025	48.5	94.4	92.2
Hardness - Total	mgCaCO3/l	1	ISO 17025	274	226	228
Speciated PAHs						
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Fluorene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Phenanthrene	µg/l	0.01	ISO 17025	0.29	< 0.01	< 0.01
Anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Fluoranthene	µg/l	0.01	ISO 17025	0.41	< 0.01	< 0.01
Pyrene	µg/l	0.01	ISO 17025	0.39	< 0.01	< 0.01
Benzo(a)anthracene	µg/l	0.01	ISO 17025	0.17	< 0.01	< 0.01
Chrysene	µg/l	0.01	ISO 17025	0.15	< 0.01	< 0.01
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01
Total PAH						
Total EPA-16 PAHs	µg/l	0.16	ISO 17025	1.41	< 0.16	< 0.16
Heavy Metals / Metalloids						
Calcium (dissolved)	mg/l	0.012	ISO 17025	90	64	63
Magnesium (dissolved)	mg/l	0.005	ISO 17025	12	16	17
Arsenic (dissolved)	µg/l	0.15	ISO 17025	535	2.46	4.12
Cadmium (dissolved)	µg/l	0.02	ISO 17025	< 0.02	0.02	0.03
Chromium (dissolved)	µg/l	0.2	ISO 17025	3	2.1	2.5
Copper (dissolved)	µg/l	0.5	ISO 17025	5.3	6	7.5
Lead (dissolved)	µg/l	0.2	ISO 17025	0.2	1.8	1.5
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05
Nickel (dissolved)	µg/l	0.5	ISO 17025	2.6	2.9	3.9
Selenium (dissolved)	µg/l	0.6	ISO 17025	2.3	< 0.6	< 0.6
Zinc (dissolved)	µg/l	0.5	ISO 17025	65	24	28
Monoaromatics & Oxygenates						
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0

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Analytical Report Number: 20-31886
Project / Site name: Plot O+N

Your Order No: 1587

Lab Sample Number				1629996	1629997	1629998
Sample Reference				BH110	SW01	SW02
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				None Supplied	None Supplied	None Supplied
Date Sampled				23/09/2020	23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Water Analysis)	**Units**	**Limit of detection**	**Accreditation Status**			
Petroleum Hydrocarbons						
TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10

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Analytical Report Number : 20-31886
Project / Site name: Plot O+N

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
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
Metals in water by ICP-OES (dissolved)	Determination of metals in water by acidification followed by ICP-OES. Accredited Matrices SW, GW, PW, PrW.(Al, Cu,Fe,Zn).	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Total Hardness of water	Determination of hardness in waters by calculation from calcium and magnesium. Accredited Matrices SW, GW, PW.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton	L045-PL	W	ISO 17025
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
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	NONE
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
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In house method.	L099-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.

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/01753
Issue Number: 1 **Date:** 26 February, 2021

Client:
ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Reece McGuinness; Alex Smiles
Project Name: Mayfield Park
Project Ref: 4153
Order No: 1636
Date Samples Received: 19/02/21
Date Instructions Received: 22/02/21
Date Analysis Completed: 25/02/21

Prepared by:

Melanie Marshall
Laboratory Coordinator

Approved by:

Richard Wong
Client Manager

Envirolab Job Number: 21/01753

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01753/1	21/01753/2	21/01753/3					Units	Limit of Detection	Method ref
Client Sample No	TT101	TT102	TT103							
Client Sample ID										
Depth to Top	0.60	0.40	0.60							
Depth To Bottom										
Date Sampled	18-Feb-21	18-Feb-21	18-Feb-21							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	2ABE	2ABE	2AB							
% Stones >10mm$_A$	6.0	<0.1	<0.1					% w/w	0.1	A-T-044
pH$_D$$^{M\#}$	8.31	7.41	8.62					pH	0.01	A-T-031s
Sulphate BRE (water sol 2:1)$_D$$^{M\#}$	285	1260	841					mg/l	10	A-T-026s
Cyanide (total)$_A$$^{M\#}$	<1	<1	<1					mg/kg	1	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2	<0.2					mg/kg	0.2	A-T-050s
Fraction of organic carbon$_D$$^{\#}$	0.0813	0.1326	0.0116					N/A	0.0003	A-T-032 FOC
Antimony$_D$	48	14	8					mg/kg	5	A-T-024s
Arsenic$_D$$^{M\#}$	55	19	10					mg/kg	1	A-T-024s
Barium$_D$	473	213	906					mg/kg	1	A-T-024s
Beryllium$_D$$^{\#}$	3.3	5.3	0.5					mg/kg	0.5	A-T-024s
Boron (water soluble)$_D$	1.4	1.9	1.2					mg/kg	1	A-T-027s
Cadmium$_D$$^{M\#}$	1.9	1.9	1.1					mg/kg	0.5	A-T-024s
Copper$_D$$^{M\#}$	374	188	51					mg/kg	1	A-T-024s
Chromium$_D$$^{M\#}$	24	18	10					mg/kg	1	A-T-024s
Chromium (hexavalent)$_D$	<1	<1	<1					mg/kg	1	A-T-040s
Chromium (trivalent)	24	18	10					mg/kg	1	Calc
Lead$_D$$^{M\#}$	581	168	200					mg/kg	1	A-T-024s
Mercury$_D$	1.64	0.66	3.74					mg/kg	0.17	A-T-024s
Molybdenum$_D$$^{M\#}$	6	9	<1					mg/kg	1	A-T-024s
Nickel$_D$$^{M\#}$	41	71	11					mg/kg	1	A-T-024s
Selenium$_D$$^{M\#}$	<1	<1	<1					mg/kg	1	A-T-024s
Vanadium$_D$$^{M\#}$	42	62	13					mg/kg	1	A-T-024s
Zinc$_D$$^{M\#}$	452	90	257					mg/kg	5	A-T-024s

Envirolab Job Number: 21/01753

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01753/1	21/01753/2	21/01753/3					Units	Limit of Detection	Method ref
Client Sample No	TT101	TT102	TT103							
Client Sample ID										
Depth to Top	0.60	0.40	0.60							
Depth To Bottom										
Date Sampled	18-Feb-21	18-Feb-21	18-Feb-21							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	2ABE	2ABE	2AB							
Asbestos in Soil (inc. matrix)										
Asbestos in soil$_{D}^{\#}$	NAD	NAD	Chrysotile & Amosite							A-T-045
Asbestos Matrix (microscope)$_{D}$	-	-	Loose Fibres							A-T-045
Asbestos ACM - Suitable for Water Absorption Test?$_{D}$	N/A	N/A	N/A							A-T-045

Envirolab Job Number: 21/01753

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01753/1	21/01753/2	21/01753/3					Units	Limit of Detection	Method ref
Client Sample No	TT101	TT102	TT103							
Client Sample ID										
Depth to Top	0.60	0.40	0.60							
Depth To Bottom										
Date Sampled	18-Feb-21	18-Feb-21	18-Feb-21							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	2ABE	2ABE	2AB							
PAH-16MS										
Acenaphthene$_{A}^{M\#}$	0.03	<0.01	0.02					mg/kg	0.01	A-T-019s
Acenaphthylene$_{A}^{M\#}$	<0.01	<0.01	0.01					mg/kg	0.01	A-T-019s
Anthracene$_{A}^{M\#}$	0.03	<0.02	0.04					mg/kg	0.02	A-T-019s
Benzo(a)anthracene$_{A}^{M\#}$	0.15	<0.04	0.23					mg/kg	0.04	A-T-019s
Benzo(a)pyrene$_{A}^{M\#}$	0.16	<0.04	0.24					mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene$_{A}^{M\#}$	0.22	<0.05	0.33					mg/kg	0.05	A-T-019s
Benzo(ghi)perylene$_{A}^{M\#}$	0.10	<0.05	0.17					mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene$_{A}^{M\#}$	0.08	<0.07	0.11					mg/kg	0.07	A-T-019s
Chrysene$_{A}^{M\#}$	0.24	<0.06	0.27					mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene$_{A}^{M\#}$	<0.04	<0.04	<0.04					mg/kg	0.04	A-T-019s
Fluoranthene$_{A}^{M\#}$	0.29	<0.08	0.41					mg/kg	0.08	A-T-019s
Fluorene$_{A}^{M\#}$	0.01	<0.01	0.02					mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene$_{A}^{M\#}$	0.10	<0.03	0.18					mg/kg	0.03	A-T-019s
Naphthalene $_{A}^{M\#}$	<0.03	<0.03	<0.03					mg/kg	0.03	A-T-019s
Phenanthrene$_{A}^{M\#}$	0.24	0.06	0.23					mg/kg	0.03	A-T-019s
Pyrene$_{A}^{M\#}$	0.32	<0.07	0.43					mg/kg	0.07	A-T-019s
Total PAH-16MS$_{A}^{M\#}$	1.97	<0.08	2.69					mg/kg	0.01	A-T-019s

Envirolab Job Number: 21/01753

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01753/1	21/01753/2	21/01753/3					Units	Limit of Detection	Method ref
Client Sample No	TT101	TT102	TT103							
Client Sample ID										
Depth to Top	0.60	0.40	0.60							
Depth To Bottom										
Date Sampled	18-Feb-21	18-Feb-21	18-Feb-21							
Sample Type	Soil - ES	Soil - ES	Soil - ES							
Sample Matrix Code	2ABE	2ABE	2AB							
TPH UKCWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Ali >C8-C10$_A$	<1	<1	<1					mg/kg	1	A-T-055s
Ali >C10-C12$_A^{M\#}$	<1	<1	<1					mg/kg	1	A-T-055s
Ali >C12-C16$_A^{M\#}$	1	2	4					mg/kg	1	A-T-055s
Ali >C16-C21$_A^{M\#}$	4	3	33					mg/kg	1	A-T-055s
Ali >C21-C35$_A^{M\#}$	59	3	356					mg/kg	1	A-T-055s
Ali >C35-C44$_A$	4	<1	26					mg/kg	1	A-T-055s
Total Aliphatics$_A$	69	9	420					mg/kg	1	A-T-055s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
Aro >C8-C10$_A$	1	<1	1					mg/kg	1	A-T-055s
Aro >C10-C12$_A$	<1	<1	<1					mg/kg	1	A-T-055s
Aro >C12-C16$_A$	3	3	10					mg/kg	1	A-T-055s
Aro >C16-C21$_A^{M\#}$	12	5	69					mg/kg	1	A-T-055s
Aro >C21-C35$_A^{M\#}$	45	7	115					mg/kg	1	A-T-055s
Aro >C35-C44$_A$	2	<1	19					mg/kg	1	A-T-055s
Total Aromatics$_A$	63	15	215					mg/kg	1	A-T-055s
TPH (Ali & Aro >C5-C44)$_A$	132	24	634					mg/kg	1	A-T-055s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Mayfield Park

Clients Project No: 4153

Project No: 21/01753

Date Received: 22/02/2021 (am)

Cool Box Temperatures (°C): 11.4

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/01426
Issue Number: 1 **Date:** 17 February, 2021

Client:
ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Reece McGuinness; Alex Smiles
Project Name: Mayfield Park
Project Ref: 4153
Order No: 1636
Date Samples Received: 12/02/21
Date Instructions Received: 15/02/21
Date Analysis Completed: 17/02/21

Prepared by:

Holly Neary-King
Client Services Supervisor

Approved by:

Danielle Brierley
Client Manager

UKAS TESTING
1247

Envirolab Job Number: 21/01426

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01426/1	21/01426/2	21/01426/3	21/01426/4	21/01426/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103	RO105	RO107					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21					
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW					
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A					
pH (w)$_{A}^{\#}$	7.83	7.54	7.24	7.40	6.64			pH	0.01	A-T-031w
Electrical conductivity @ 20degC (w)$_{A}^{\#}$	557	1998	923	1002	1350			µs/cm	10	A-T-037w
Hardness Total$_{A}^{\#}$	193	1184	453	496	611			mg/l Ca CO3	2	A-T-049w
Ammoniacal nitrogen as N (w)$_{A}^{\#}$	0.35	0.03	0.15	<0.02	<0.02			mg/l	0.02	A-T-033w
Sulphate (w)$_{A}^{\#}$	43	852	236	382	<1			mg/l	1	A-T-026w
Cyanide (total) (w)$_{A}^{\#}$	0.011	0.017	0.008	0.011	<0.005			mg/l	0.005	A-T-042wTCN
Arsenic (dissolved)$_{A}^{\#}$	14	683	2	<1	7			µg/l	1	A-T-025w
Cadmium (dissolved)$_{A}^{\#}$	<0.2	0.5	0.6	<0.2	0.2			µg/l	0.2	A-T-025w
Copper (dissolved)$_{A}^{\#}$	4	<1	1	3	<1			µg/l	1	A-T-025w
Chromium (dissolved)$_{A}^{\#}$	<1	16	<1	<1	<1			µg/l	1	A-T-025w
Lead (dissolved)$_{A}^{\#}$	1	2	<1	<1	2			µg/l	1	A-T-025w
Mercury (dissolved)$_{A}^{\#}$	0.5	<0.1	0.8	0.3	<0.1			µg/l	0.1	A-T-025w
Nickel (dissolved)$_{A}^{\#}$	2	2	3	3	14			µg/l	1	A-T-025w
Selenium (dissolved)$_{A}^{\#}$	<1	39	3	6	<1			µg/l	1	A-T-025w
Zinc (dissolved)$_{A}^{\#}$	7	9	15	5	46			µg/l	1	A-T-025w

Envirolab Job Number: 21/01426

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01426/1	21/01426/2	21/01426/3	21/01426/4	21/01426/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103	RO105	RO107					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21					
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW					
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A					
PAH 16MS (w)										
Acenaphthene (w)$_A^{\#}$	0.01	0.02	<0.01	<0.01	0.90			µg/l	0.01	A-T-019w
Acenaphthylene (w)$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	0.19			µg/l	0.01	A-T-019w
Anthracene (w)$_A^{\#}$	<0.01	<0.01	<0.01	0.01	0.13			µg/l	0.01	A-T-019w
Benzo(a)anthracene (w)$_A^{\#}$	0.01	<0.01	<0.01	0.02	<0.10			µg/l	0.01	A-T-019w
Benzo(a)pyrene (w)$_A^{\#}$	0.01	<0.01	<0.01	0.01	<0.10			µg/l	0.01	A-T-019w
Benzo(b)fluoranthene (w)$_A^{\#}$	<0.01	<0.01	<0.01	0.01	<0.10			µg/l	0.01	A-T-019w
Benzo(ghi)perylene (w)$_A^{\#}$	0.01	<0.01	<0.01	<0.01	<0.10			µg/l	0.01	A-T-019w
Benzo(k)fluoranthene (w)$_A^{\#}$	0.01	<0.01	<0.01	<0.01	<0.10			µg/l	0.01	A-T-019w
Chrysene (w)$_A^{\#}$	0.02	<0.01	0.01	0.02	<0.10			µg/l	0.01	A-T-019w
Dibenzo(ah)anthracene (w)$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.10			µg/l	0.01	A-T-019w
Fluoranthene (w)$_A^{\#}$	0.02	<0.01	0.02	0.03	<0.10			µg/l	0.01	A-T-019w
Fluorene (w)$_A^{\#}$	<0.01	0.02	<0.01	<0.01	2.46			µg/l	0.01	A-T-019w
Indeno(123-cd)pyrene (w)$_A^{\#}$	<0.01	<0.01	<0.01	<0.01	<0.10			µg/l	0.01	A-T-019w
Naphthalene (w)$_A^{\#}$	0.01	0.02	<0.01	<0.01	8.27			µg/l	0.01	A-T-019w
Phenanthrene (w)$_A^{\#}$	0.03	0.03	0.04	0.02	1.67			µg/l	0.01	A-T-019w
Pyrene (w)$_A^{\#}$	0.02	<0.01	0.02	0.03	<0.10			µg/l	0.01	A-T-019w
Total PAH 16MS (w)$_A^{\#}$	0.15	0.09	0.09	0.15	13.6			µg/l	0.01	A-T-019w
Phenols (speciated HPLC) (w)										
Phenol (w)$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/l	0.01	A-T-050w
Cresols (w)$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/l	0.01	A-T-050w
Xylenols (w)$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/l	0.01	A-T-050w
Resorcinol (w)$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/l	0.01	A-T-050w
Phenols - Total by HPLC (w)$_A$	<0.01	<0.01	<0.01	<0.01	<0.01			mg/l	0.01	A-T-050w

Envirolab Job Number: 21/01426

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01426/1	21/01426/2	21/01426/3	21/01426/4	21/01426/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103	RO105	RO107					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21					
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW					
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A					
SVOC (excluding PAH-16) (w)										
2,4,5-Trichlorophenol$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
2,4,6-Trichlorophenol (w)$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
2,4-Dichlorophenol$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
2,4-Dimethylphenol$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
2,4-Dinitrotoluene$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
2,6-Dinitrotoluene$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
2-Chloronaphthalene$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
2-Chlorophenol$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
2-Methylnaphthalene$_A$	<1	<1	<1	<1	17			µg/l	1	A-T-052w
2-Methylphenol$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
2-Nitrophenol$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
4-Bromophenyl phenyl ether$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
4-Chloro-3-methylphenol$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Bis(2-chloroisopropyl)ether$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
3+4-Methylphenol$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
4-Nitrophenol$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Bis(2-chloroethyl)ether$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Bis(2-chloroethoxy)methane$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Bis(2-ethylhexyl)phthalate$_A$	<10	<10	<10	<10	<10			µg/l	10	A-T-052w
Butylbenzyl phthalate$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Carbazole$_A$	<1	<1	<1	<1	8			µg/l	1	A-T-052w
Dibenzofuran$_A$	<1	<1	<1	<1	2			µg/l	1	A-T-052w
n-Dibutylphthalate$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
n-Dioctylphthalate$_A$	<10	<10	<10	<10	<10			µg/l	10	A-T-052w
n-Nitroso-n-dipropylamine$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Diethyl phthalate$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Dimethyl phthalate$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Hexachlorobenzene$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Pentachlorophenol (SVOC)$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Phenol$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Hexachloroethane$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Nitrobenzene$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w

Envirolab Job Number: 21/01426

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01426/1	21/01426/2	21/01426/3	21/01426/4	21/01426/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103	RO105	RO107					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21					
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW					
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A					
Isophorone$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Hexachlorocyclopentadiene$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w
Perylene$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-052w

Envirolab Job Number: 21/01426

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01426/1	21/01426/2	21/01426/3	21/01426/4	21/01426/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103	RO105	RO107					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21					
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW					
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A					
VOC (w)										
Dichlorodifluoromethane$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Chloromethane$_A$	<10	<10	<10	<10	<10			µg/l	10	A-T-006w
Vinyl Chloride$_A^{\#}$	*<1*	*<1*	*<1*	*<1*	*<1*			µg/l	1	A-T-006w
Bromomethane$_A^{\#}$	*<1*	*<1*	*<1*	*<1*	*<1*			µg/l	1	A-T-006w
Chloroethane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Trichlorofluoromethane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
trans 1,2-Dichloroethene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Dichloromethane$_A$	<5	<5	<5	<5	<5			µg/l	5	A-T-006w
Carbon Disulphide$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,1-Dichloroethene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,1-Dichloroethane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
cis 1,2-Dichloroethene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Bromochloromethane$_A^{\#}$	<5	<5	<5	<5	<5			µg/l	5	A-T-006w
Chloroform$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
2,2-Dichloropropane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,2-Dichloroethane$_A^{\#}$	<2	<2	<2	<2	<2			µg/l	2	A-T-006w
1,1,1-Trichloroethane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,1-Dichloropropene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Benzene$_A^{\#}$	<1	<1	<1	<1	4			µg/l	1	A-T-006w
Carbon Tetrachloride$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Dibromomethane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,2-Dichloropropane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Bromodichloromethane$_A^{\#}$	<10	<10	<10	<10	<10			µg/l	10	A-T-006w
Trichloroethene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
cis 1,3-Dichloropropene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
trans 1,3-Dichloropropene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,1,2-Trichloroethane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Toluene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,3-Dichloropropane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Dibromochloromethane$_A^{\#}$	<3	<3	<3	<3	<3			µg/l	3	A-T-006w
1,2-Dibromoethane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Tetrachloroethene$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w

Envirolab Job Number: 21/01426

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01426/1	21/01426/2	21/01426/3	21/01426/4	21/01426/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103	RO105	RO107					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21					
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW					
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A					
1,1,1,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Chlorobenzene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Ethylbenzene$_A^{\#}$	<1	<1	<1	<1	5			µg/l	1	A-T-006w
m & p Xylene$_A^{\#}$	<1	<1	<1	<1	8			µg/l	1	A-T-006w
Bromoform$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Styrene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,1,2,2-Tetrachloroethane$_A$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
o-Xylene$_A^{\#}$	<1	<1	<1	<1	7			µg/l	1	A-T-006w
1,2,3-Trichloropropane$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
Isopropylbenzene$_A^{\#}$	<1	<1	<1	<1	5			µg/l	1	A-T-006w
Bromobenzene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
2-Chlorotoluene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
n-propylbenzene$_A^{\#}$	<1	<1	<1	<1	5			µg/l	1	A-T-006w
4-Chlorotoluene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,2,4-Trimethylbenzene$_A^{\#}$	<1	<1	<1	<1	19			µg/l	1	A-T-006w
4-Isopropyltoluene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,3,5-Trimethylbenzene$_A^{\#}$	<1	<1	<1	<1	2			µg/l	1	A-T-006w
1,2-Dichlorobenzene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
1,4-Dichlorobenzene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
sec-Butylbenzene$_A^{\#}$	<1	<1	<1	<1	4			µg/l	1	A-T-006w
tert-Butylbenzene$_A^{\#}$	<2	<2	<2	<2	<2			µg/l	2	A-T-006w
1,3-Dichlorobenzene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w
n-butylbenzene$_A^{\#}$	<1	<1	<1	<1	1			µg/l	1	A-T-006w
1,2-Dibromo-3-chloropropane$_A^{\#}$	<2	<2	<2	<2	<2			µg/l	2	A-T-006w
1,2,4-Trichlorobenzene$_A^{\#}$	<3	<3	<3	<3	<3			µg/l	3	A-T-006w
1,2,3-Trichlorobenzene$_A^{\#}$	<3	<3	<3	<3	<3			µg/l	3	A-T-006w
Hexachlorobutadiene$_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-006w

Envirolab Job Number: 21/01426

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01426/1	21/01426/2	21/01426/3	21/01426/4	21/01426/5			Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO101	RO102	RO103	RO105	RO107					
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21	12-Feb-21					
Sample Type	Water - EW	Water - EW	Water - EW	Water - EW	Water - EW					
Sample Matrix Code	N/A	N/A	N/A	N/A	N/A					
TPH UKCWG (w)										
Ali >C5-C6 $(w)_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-022w
Ali >C6-C8 $(w)_A^{\#}$	<1	<1	<1	<1	3			µg/l	1	A-T-022w
Ali >C8-C10 $(w)_A^{\#}$	<5	<5	<5	<5	21			µg/l	5	A-T-055w
Ali >C10-C12 $(w)_A^{\#}$	<5	<5	<5	<5	34			µg/l	5	A-T-055w
Ali >C12-C16 $(w)_A^{\#}$	<5	<5	<5	<5	109			µg/l	5	A-T-055w
Ali >C16-C21 $(w)_A^{\#}$	<5	<5	<5	<5	89			µg/l	5	A-T-055w
Ali >C21-C35 $(w)_A^{\#}$	<5	<5	<5	<5	26			µg/l	5	A-T-055w
Ali >C35-C44 $(w)_A$	<5	<5	<5	<5	<5			µg/l	5	A-T-055w
Total Aliphatics $(w)_A$	<5	<5	<5	<5	282			µg/l	5	A-T-055w
Aro >C5-C7 $(w)_A^{\#}$	<1	<1	<1	<1	3			µg/l	1	A-T-022w
Aro >C7-C8 $(w)_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-022w
Aro >C8-C10 $(w)_A$	<5	<5	<5	<5	159			µg/l	5	A-T-055w
Aro >C10-C12 $(w)_A^{\#}$	<5	<5	<5	<5	321			µg/l	5	A-T-055w
Aro >C12-C16 $(w)_A^{\#}$	<5	<5	<5	<5	513			µg/l	5	A-T-055w
Aro >C16-C21 $(w)_A^{\#}$	<5	<5	<5	<5	251			µg/l	5	A-T-055w
Aro >C21-C35 $(w)_A^{\#}$	<10	<10	<10	<10	68			µg/l	10	A-T-055w
Aro >C35-C44 $(w)_A$	<5	<5	<5	<5	<5			µg/l	5	A-T-055w
Total Aromatics $(w)_A$	<10	<10	<10	<10	1320			µg/l	10	A-T-055w
TPH (Ali & Aro >C5-C44) $(w)_A$	<10	<10	<10	<10	1600			µg/l	10	A-T-055w
BTEX - Benzene $(w)_A^{\#}$	<1	<1	<1	<1	3			µg/l	1	A-T-022w
BTEX - Toluene $(w)_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-022w
BTEX - Ethyl Benzene $(w)_A^{\#}$	<1	<1	<1	<1	2			µg/l	1	A-T-022w
BTEX - m & p Xylene $(w)_A^{\#}$	<1	<1	<1	<1	3			µg/l	1	A-T-022w
BTEX - o Xylene $(w)_A^{\#}$	<1	<1	<1	<1	4			µg/l	1	A-T-022w
MTBE $(w)_A^{\#}$	<1	<1	<1	<1	<1			µg/l	1	A-T-022w

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Mayfield Park

Clients Project No: 4153

Project No: 21/01426

Date Received: 15/02/2021 (am)

Cool Box Temperatures (°C): 4.2 & 4.8

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/01474
Issue Number: 1 **Date:** 18 February, 2021

Client:
ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Reece McGuinness; Alex Smiles
Project Name: Mayfield
Project Ref: 4153
Order No: 1636
Date Samples Received: 15/02/21
Date Instructions Received: 15/02/21
Date Analysis Completed: 18/02/21

Prepared by:

Danielle Brierley
Client Manager

Approved by:

Sophie France
Client Service Manager

UKAS TESTING
1247

Envirolab Job Number: 21/01474

Client Project Name: Mayfield

Client Project Ref: 4153

Lab Sample ID	21/01474/1	21/01474/2	21/01474/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH102	RO104	RO106							
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21							
Sample Type	Water - EW	Water - EW	Water - EW							
Sample Matrix Code	N/A	N/A	N/A							
pH (w)$_{A}^{\#}$	7.24	7.13	7.49					pH	0.01	A-T-031w
Electrical conductivity @ 20degC (w)$_{A}^{\#}$	1001	930	265					µs/cm	10	A-T-037w
Hardness Total$_{A}^{\#}$	204	392	297					mg/l Ca CO3	2	A-T-049w
Ammoniacal nitrogen as N (w)$_{A}^{\#}$	<0.02	0.26	<0.02					mg/l	0.02	A-T-033w
Sulphate (w)$_{A}^{\#}$	359	153	18					mg/l	1	A-T-026w
Cyanide (total) (w)$_{A}^{\#}$	<0.005	<0.005	<0.005					mg/l	0.005	A-T-042wTCN
Arsenic (dissolved)$_{A}^{\#}$	2	1	<1					µg/l	1	A-T-025w
Cadmium (dissolved)$_{A}^{\#}$	<0.2	<0.2	0.3					µg/l	0.2	A-T-025w
Copper (dissolved)$_{A}^{\#}$	4	<1	2					µg/l	1	A-T-025w
Chromium (dissolved)$_{A}^{\#}$	<1	<1	1					µg/l	1	A-T-025w
Lead (dissolved)$_{A}^{\#}$	3	<1	5					µg/l	1	A-T-025w
Mercury (dissolved)$_{A}^{\#}$	<0.1	<0.1	<0.1					µg/l	0.1	A-T-025w
Nickel (dissolved)$_{A}^{\#}$	5	7	<1					µg/l	1	A-T-025w
Selenium (dissolved)$_{A}^{\#}$	8	<1	1					µg/l	1	A-T-025w
Zinc (dissolved)$_{A}^{\#}$	12	7	10					µg/l	1	A-T-025w

Envirolab Job Number: 21/01474

Client Project Name: Mayfield

Client Project Ref: 4153

Lab Sample ID	21/01474/1	21/01474/2	21/01474/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH102	RO104	RO106							
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21							
Sample Type	Water - EW	Water - EW	Water - EW							
Sample Matrix Code	N/A	N/A	N/A							
PAH 16MS (w)										
Acenaphthene (w)$_A^{\#}$	0.04	0.41	0.01					µg/l	0.01	A-T-019w
Acenaphthylene (w)$_A^{\#}$	0.01	<0.01	<0.01					µg/l	0.01	A-T-019w
Anthracene (w)$_A^{\#}$	0.08	0.04	0.02					µg/l	0.01	A-T-019w
Benzo(a)anthracene (w)$_A^{\#}$	0.17	<0.01	0.05					µg/l	0.01	A-T-019w
Benzo(a)pyrene (w)$_A^{\#}$	0.21	<0.01	0.06					µg/l	0.01	A-T-019w
Benzo(b)fluoranthene (w)$_A^{\#}$	0.19	<0.01	0.06					µg/l	0.01	A-T-019w
Benzo(ghi)perylene (w)$_A^{\#}$	0.11	<0.01	0.03					µg/l	0.01	A-T-019w
Benzo(k)fluoranthene (w)$_A^{\#}$	0.08	<0.01	0.02					µg/l	0.01	A-T-019w
Chrysene (w)$_A^{\#}$	0.22	<0.01	0.07					µg/l	0.01	A-T-019w
Dibenzo(ah)anthracene (w)$_A^{\#}$	0.02	<0.01	<0.01					µg/l	0.01	A-T-019w
Fluoranthene (w)$_A^{\#}$	0.43	0.03	0.13					µg/l	0.01	A-T-019w
Fluorene (w)$_A^{\#}$	0.05	1.04	0.01					µg/l	0.01	A-T-019w
Indeno(123-cd)pyrene (w)$_A^{\#}$	0.12	<0.01	0.03					µg/l	0.01	A-T-019w
Naphthalene (w)$_A^{\#}$	0.04	<0.25	0.40					µg/l	0.01	A-T-019w
Phenanthrene (w)$_A^{\#}$	0.30	0.23	0.09					µg/l	0.01	A-T-019w
Pyrene (w)$_A^{\#}$	0.41	0.08	0.13					µg/l	0.01	A-T-019w
Total PAH 16MS (w)$_A^{\#}$	2.48	1.83	1.11					µg/l	0.01	A-T-019w
Phenols (speciated HPLC) (w)										
Phenol (w)$_A$	<0.01	<0.01	<0.01					mg/l	0.01	A-T-050w
Cresols (w)$_A$	<0.01	<0.01	<0.01					mg/l	0.01	A-T-050w
Xylenols (w)$_A$	<0.01	<0.01	<0.01					mg/l	0.01	A-T-050w
Resorcinol (w)$_A$	<0.01	<0.01	<0.01					mg/l	0.01	A-T-050w
Phenols - Total by HPLC (w)$_A$	<0.01	<0.01	<0.01					mg/l	0.01	A-T-050w

Envirolab Job Number: 21/01474

Client Project Name: Mayfield

Client Project Ref: 4153

Lab Sample ID	21/01474/1	21/01474/2	21/01474/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH102	RO104	RO106							
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21							
Sample Type	Water - EW	Water - EW	Water - EW							
Sample Matrix Code	N/A	N/A	N/A							
SVOC (excluding PAH-16) (w)										
2,4,5-Trichlorophenol$_A$	<1	<1	<1					µg/l	1	A-T-052w
2,4,6-Trichlorophenol (w)$_A$	<1	<1	<1					µg/l	1	A-T-052w
2,4-Dichlorophenol$_A$	<1	<1	<1					µg/l	1	A-T-052w
2,4-Dimethylphenol$_A$	<1	<1	<1					µg/l	1	A-T-052w
2,4-Dinitrotoluene$_A$	<1	<1	<1					µg/l	1	A-T-052w
2,6-Dinitrotoluene$_A$	<1	<1	<1					µg/l	1	A-T-052w
2-Chloronaphthalene$_A$	<1	<1	<1					µg/l	1	A-T-052w
2-Chlorophenol$_A$	<1	<1	<1					µg/l	1	A-T-052w
2-Methylnaphthalene$_A$	<1	<1	<1					µg/l	1	A-T-052w
2-Methylphenol$_A$	<1	<1	<1					µg/l	1	A-T-052w
2-Nitrophenol$_A$	<1	<1	<1					µg/l	1	A-T-052w
4-Bromophenyl phenyl ether$_A$	<1	<1	<1					µg/l	1	A-T-052w
4-Chloro-3-methylphenol$_A$	<1	<1	<1					µg/l	1	A-T-052w
Bis(2-chloroisopropyl)ether$_A$	<1	<1	<1					µg/l	1	A-T-052w
3+4-Methylphenol$_A$	<1	<1	<1					µg/l	1	A-T-052w
4-Nitrophenol$_A$	<1	<1	<1					µg/l	1	A-T-052w
Bis(2-chloroethyl)ether$_A$	<1	<1	<1					µg/l	1	A-T-052w
Bis(2-chloroethoxy)methane$_A$	<1	<1	<1					µg/l	1	A-T-052w
Bis(2-ethylhexyl)phthalate$_A$	<10	<10	<10					µg/l	10	A-T-052w
Butylbenzyl phthalate$_A$	<1	<1	<1					µg/l	1	A-T-052w
Carbazole$_A$	<1	<1	<1					µg/l	1	A-T-052w
Dibenzofuran$_A$	<1	<1	<1					µg/l	1	A-T-052w
n-Dibutylphthalate$_A$	<1	<1	<1					µg/l	1	A-T-052w
n-Dioctylphthalate$_A$	<10	<10	<10					µg/l	10	A-T-052w
n-Nitroso-n-dipropylamine$_A$	<1	<1	<1					µg/l	1	A-T-052w
Diethyl phthalate$_A$	<1	<1	<1					µg/l	1	A-T-052w
Dimethyl phthalate$_A$	<1	<1	<1					µg/l	1	A-T-052w
Hexachlorobenzene$_A$	<1	<1	<1					µg/l	1	A-T-052w
Pentachlorophenol (SVOC)$_A$	<1	<1	<1					µg/l	1	A-T-052w
Phenol$_A$	<1	<1	<1					µg/l	1	A-T-052w
Hexachloroethane$_A$	<1	<1	<1					µg/l	1	A-T-052w
Nitrobenzene$_A$	<1	<1	<1					µg/l	1	A-T-052w

Envirolab Job Number: 21/01474

Client Project Name: Mayfield

Client Project Ref: 4153

Lab Sample ID	21/01474/1	21/01474/2	21/01474/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH102	RO104	RO106							
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21							
Sample Type	Water - EW	Water - EW	Water - EW							
Sample Matrix Code	N/A	N/A	N/A							
Isophorone$_A$	<1	<1	<1					µg/l	1	A-T-052w
Hexachlorocyclopentadiene$_A$	<1	<1	<1					µg/l	1	A-T-052w
Perylene$_A$	<1	<1	<1					µg/l	1	A-T-052w

Envirolab Job Number: 21/01474

Client Project Name: Mayfield

Client Project Ref: 4153

Lab Sample ID	21/01474/1	21/01474/2	21/01474/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH102	RO104	RO106							
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21							
Sample Type	Water - EW	Water - EW	Water - EW							
Sample Matrix Code	N/A	N/A	N/A							
VOC (w)										
Dichlorodifluoromethane$_A$	<1	<1	<1					µg/l	1	A-T-006w
Chloromethane$_A$	<10	<10	<10					µg/l	10	A-T-006w
Vinyl Chloride$_A^{\#}$	*<1*	*<1*	*<1*					µg/l	1	A-T-006w
Bromomethane$_A^{\#}$	*<1*	*<1*	*<1*					µg/l	1	A-T-006w
Chloroethane$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
Trichlorofluoromethane$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
trans 1,2-Dichloroethene$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
Dichloromethane$_A$	<5	<5	<5					µg/l	5	A-T-006w
Carbon Disulphide$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
1,1-Dichloroethene$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
1,1-Dichloroethane$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
cis 1,2-Dichloroethene$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
Bromochloromethane$_A^{\#}$	<5	<5	<5					µg/l	5	A-T-006w
Chloroform$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
2,2-Dichloropropane$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
1,2-Dichloroethane$_A^{\#}$	<2	<2	<2					µg/l	2	A-T-006w
1,1,1-Trichloroethane$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
1,1-Dichloropropene$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
Benzene$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
Carbon Tetrachloride$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
Dibromomethane$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
1,2-Dichloropropane$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
Bromodichloromethane$_A^{\#}$	<10	<10	<10					µg/l	10	A-T-006w
Trichloroethene$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
cis 1,3-Dichloropropene$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
trans 1,3-Dichloropropene$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
1,1,2-Trichloroethane$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
Toluene$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
1,3-Dichloropropane$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
Dibromochloromethane$_A^{\#}$	<3	<3	<3					µg/l	3	A-T-006w
1,2-Dibromoethane$_A^{\#}$	<1	<1	<1					µg/l	1	A-T-006w
Tetrachloroethene$_A$	<1	<1	<1					µg/l	1	A-T-006w

Envirolab Job Number: 21/01474 **Client Project Name: Mayfield**

Client Project Ref: 4153

Lab Sample ID	21/01474/1	21/01474/2	21/01474/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH102	RO104	RO106							
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21							
Sample Type	Water - EW	Water - EW	Water - EW							
Sample Matrix Code	N/A	N/A	N/A							
1,1,1,2-Tetrachloroethane$_A$	<1	<1	<1					µg/l	1	A-T-006w
Chlorobenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
Ethylbenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
m & p Xylene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
Bromoform$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
Styrene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
1,1,2,2-Tetrachloroethane$_A$	<1	<1	<1					µg/l	1	A-T-006w
o-Xylene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
1,2,3-Trichloropropane$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
Isopropylbenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
Bromobenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
2-Chlorotoluene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
n-propylbenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
4-Chlorotoluene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
1,2,4-Trimethylbenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
4-Isopropyltoluene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
1,3,5-Trimethylbenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
1,2-Dichlorobenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
1,4-Dichlorobenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
sec-Butylbenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
tert-Butylbenzene$_A^\#$	<2	<2	<2					µg/l	2	A-T-006w
1,3-Dichlorobenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
n-butylbenzene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w
1,2-Dibromo-3-chloropropane$_A^\#$	<2	<2	<2					µg/l	2	A-T-006w
1,2,4-Trichlorobenzene$_A^\#$	<3	<3	<3					µg/l	3	A-T-006w
1,2,3-Trichlorobenzene$_A^\#$	<3	<3	<3					µg/l	3	A-T-006w
Hexachlorobutadiene$_A^\#$	<1	<1	<1					µg/l	1	A-T-006w

Envirolab Job Number: 21/01474

Client Project Name: Mayfield

Client Project Ref: 4153

Lab Sample ID	21/01474/1	21/01474/2	21/01474/3					Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH102	RO104	RO106							
Depth to Top										
Depth To Bottom										
Date Sampled	12-Feb-21	12-Feb-21	12-Feb-21							
Sample Type	Water - EW	Water - EW	Water - EW							
Sample Matrix Code	N/A	N/A	N/A							
TPH UKCWG (w)										
Ali >C5-C6 $(w)_A^{\#}$	<1	<1	<1					µg/l	1	A-T-022w
Ali >C6-C8 $(w)_A^{\#}$	<1	<1	<1					µg/l	1	A-T-022w
Ali >C8-C10 $(w)_A^{\#}$	<5	<5	<5					µg/l	5	A-T-055w
Ali >C10-C12 $(w)_A^{\#}$	<5	5	<5					µg/l	5	A-T-055w
Ali >C12-C16 $(w)_A^{\#}$	<5	<5	<5					µg/l	5	A-T-055w
Ali >C16-C21 $(w)_A^{\#}$	<5	<5	<5					µg/l	5	A-T-055w
Ali >C21-C35 $(w)_A^{\#}$	<5	8	<5					µg/l	5	A-T-055w
Ali >C35-C44 $(w)_A$	<5	<5	<5					µg/l	5	A-T-055w
Total Aliphatics $(w)_A$	<5	13	<5					µg/l	5	A-T-055w
Aro >C5-C7 $(w)_A^{\#}$	<1	<1	<1					µg/l	1	A-T-022w
Aro >C7-C8 $(w)_A^{\#}$	<1	<1	<1					µg/l	1	A-T-022w
Aro >C8-C10 $(w)_A$	<5	15	<5					µg/l	5	A-T-055w
Aro >C10-C12 $(w)_A^{\#}$	<5	88	<5					µg/l	5	A-T-055w
Aro >C12-C16 $(w)_A^{\#}$	<5	150	<5					µg/l	5	A-T-055w
Aro >C16-C21 $(w)_A^{\#}$	<5	69	<5					µg/l	5	A-T-055w
Aro >C21-C35 $(w)_A^{\#}$	<10	30	<10					µg/l	10	A-T-055w
Aro >C35-C44 $(w)_A$	<5	<5	<5					µg/l	5	A-T-055w
Total Aromatics $(w)_A$	<10	352	<10					µg/l	10	A-T-055w
TPH (Ali & Aro >C5-C44) $(w)_A$	<10	365	<10					µg/l	10	A-T-055w
BTEX - Benzene $(w)_A^{\#}$	<1	<1	<1					µg/l	1	A-T-022w
BTEX - Toluene $(w)_A^{\#}$	<1	<1	<1					µg/l	1	A-T-022w
BTEX - Ethyl Benzene $(w)_A^{\#}$	<1	<1	<1					µg/l	1	A-T-022w
BTEX - m & p Xylene $(w)_A^{\#}$	<1	<1	<1					µg/l	1	A-T-022w
BTEX - o Xylene $(w)_A^{\#}$	<1	<1	<1					µg/l	1	A-T-022w
MTBE $(w)_A^{\#}$	<1	<1	<1					µg/l	1	A-T-022w

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Mayfield

Clients Project No: 4153

Project No: 21/01474

Date Received: 15/02/2021 (pm)

Cool Box Temperatures (°C): 11.2

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

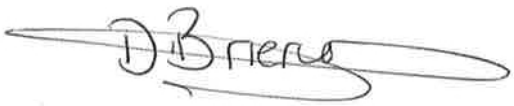
FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/01475
Issue Number: 1 **Date:** 18 February, 2021

Client: ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Reece McGuinness; Alex Smiles
Project Name: Mayfield Park
Project Ref: 4153
Order No: 1636
Date Samples Received: 15/02/21
Date Instructions Received: 16/02/21
Date Analysis Completed: 18/02/21

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Sophie France
Client Service Manager

UKAS TESTING
1247

Envirolab Job Number: 21/01475

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01475/1	21/01475/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH108	BH110								
Depth to Top										
Depth To Bottom										
Date Sampled	15-Feb-21	15-Feb-21								
Sample Type	Water - EW	Water - EW								
Sample Matrix Code	N/A	N/A								
pH (w)$_{A}^{\#}$	7.64	7.89						pH	0.01	A-T-031w
Electrical conductivity @ 20degC (w)$_{A}^{\#}$	1790	1001						µs/cm	10	A-T-037w
Hardness Total$_{A}^{\#}$	898	371						mg/l Ca CO3	2	A-T-049w
Ammoniacal nitrogen as N (w)$_{A}^{\#}$	<0.02	1.18						mg/l	0.02	A-T-033w
Sulphate (w)$_{A}^{\#}$	670	43						mg/l	1	A-T-026w
Cyanide (total) (w)$_{A}^{\#}$	0.006	0.060						mg/l	0.005	A-T-042wTCN
Arsenic (dissolved)$_{A}^{\#}$	1	940						µg/l	1	A-T-025w
Cadmium (dissolved)$_{A}^{\#}$	<0.2	<0.2						µg/l	0.2	A-T-025w
Copper (dissolved)$_{A}^{\#}$	12	<1						µg/l	1	A-T-025w
Chromium (dissolved)$_{A}^{\#}$	<1	<1						µg/l	1	A-T-025w
Lead (dissolved)$_{A}^{\#}$	3	<1						µg/l	1	A-T-025w
Mercury (dissolved)$_{A}^{\#}$	0.1	<0.1						µg/l	0.1	A-T-025w
Nickel (dissolved)$_{A}^{\#}$	4	<1						µg/l	1	A-T-025w
Selenium (dissolved)$_{A}^{\#}$	1	<1						µg/l	1	A-T-025w
Zinc (dissolved)$_{A}^{\#}$	14	5						µg/l	1	A-T-025w

Envirolab Job Number: 21/01475

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01475/1	21/01475/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH108	BH110								
Depth to Top										
Depth To Bottom										
Date Sampled	15-Feb-21	15-Feb-21								
Sample Type	Water - EW	Water - EW								
Sample Matrix Code	N/A	N/A								
PAH 16MS (w)										
Acenaphthene (w)$_A^{\#}$	<0.01	0.34						µg/l	0.01	A-T-019w
Acenaphthylene (w)$_A^{\#}$	<0.01	0.02						µg/l	0.01	A-T-019w
Anthracene (w)$_A^{\#}$	<0.01	<0.01						µg/l	0.01	A-T-019w
Benzo(a)anthracene (w)$_A^{\#}$	<0.01	<0.01						µg/l	0.01	A-T-019w
Benzo(a)pyrene (w)$_A^{\#}$	<0.01	<0.01						µg/l	0.01	A-T-019w
Benzo(b)fluoranthene (w)$_A^{\#}$	<0.01	<0.01						µg/l	0.01	A-T-019w
Benzo(ghi)perylene (w)$_A^{\#}$	<0.01	<0.01						µg/l	0.01	A-T-019w
Benzo(k)fluoranthene (w)$_A^{\#}$	<0.01	<0.01						µg/l	0.01	A-T-019w
Chrysene (w)$_A^{\#}$	<0.01	<0.01						µg/l	0.01	A-T-019w
Dibenzo(ah)anthracene (w)$_A^{\#}$	<0.01	<0.01						µg/l	0.01	A-T-019w
Fluoranthene (w)$_A^{\#}$	<0.01	0.02						µg/l	0.01	A-T-019w
Fluorene (w)$_A^{\#}$	<0.01	<0.01						µg/l	0.01	A-T-019w
Indeno(123-cd)pyrene (w)$_A^{\#}$	<0.01	<0.01						µg/l	0.01	A-T-019w
Naphthalene (w)$_A^{\#}$	<0.01	0.06						µg/l	0.01	A-T-019w
Phenanthrene (w)$_A^{\#}$	<0.01	0.02						µg/l	0.01	A-T-019w
Pyrene (w)$_A^{\#}$	<0.01	0.03						µg/l	0.01	A-T-019w
Total PAH 16MS (w)$_A^{\#}$	<0.01	0.49						µg/l	0.01	A-T-019w
Phenols (speciated HPLC) (w)										
Phenol (w)$_A$	<0.01	<0.01						mg/l	0.01	A-T-050w
Cresols (w)$_A$	<0.01	<0.01						mg/l	0.01	A-T-050w
Xylenols (w)$_A$	<0.01	<0.01						mg/l	0.01	A-T-050w
Resorcinol (w) $_A$	<0.01	<0.01						mg/l	0.01	A-T-050w
Phenols - Total by HPLC (w)$_A$	<0.01	<0.01						mg/l	0.01	A-T-050w

Envirolab Job Number: 21/01475

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01475/1	21/01475/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH108	BH110								
Depth to Top										
Depth To Bottom										
Date Sampled	15-Feb-21	15-Feb-21								
Sample Type	Water - EW	Water - EW								
Sample Matrix Code	N/A	N/A								
SVOC (excluding PAH-16) (w)										
2,4,5-Trichlorophenol$_A$	<1	<1						µg/l	1	A-T-052w
2,4,6-Trichlorophenol (w)$_A$	<1	<1						µg/l	1	A-T-052w
2,4-Dichlorophenol$_A$	<1	<1						µg/l	1	A-T-052w
2,4-Dimethylphenol$_A$	<1	<1						µg/l	1	A-T-052w
2,4-Dinitrotoluene$_A$	<1	<1						µg/l	1	A-T-052w
2,6-Dinitrotoluene$_A$	<1	<1						µg/l	1	A-T-052w
2-Chloronaphthalene$_A$	<1	<1						µg/l	1	A-T-052w
2-Chlorophenol$_A$	<1	<1						µg/l	1	A-T-052w
2-Methylnaphthalene$_A$	<1	<1						µg/l	1	A-T-052w
2-Methylphenol$_A$	<1	<1						µg/l	1	A-T-052w
2-Nitrophenol$_A$	<1	<1						µg/l	1	A-T-052w
4-Bromophenyl phenyl ether$_A$	<1	<1						µg/l	1	A-T-052w
4-Chloro-3-methylphenol$_A$	<1	<1						µg/l	1	A-T-052w
Bis(2-chloroisopropyl)ether$_A$	<1	<1						µg/l	1	A-T-052w
3+4-Methylphenol$_A$	<1	<1						µg/l	1	A-T-052w
4-Nitrophenol$_A$	<1	<1						µg/l	1	A-T-052w
Bis(2-chloroethyl)ether$_A$	<1	<1						µg/l	1	A-T-052w
Bis(2-chloroethoxy)methane$_A$	<1	<1						µg/l	1	A-T-052w
Bis(2-ethylhexyl)phthalate$_A$	<10	<10						µg/l	10	A-T-052w
Butylbenzyl phthalate$_A$	<1	<1						µg/l	1	A-T-052w
Carbazole$_A$	<1	<1						µg/l	1	A-T-052w
Dibenzofuran$_A$	<1	<1						µg/l	1	A-T-052w
n-Dibutylphthalate$_A$	<1	<1						µg/l	1	A-T-052w
n-Dioctylphthalate$_A$	<10	<10						µg/l	10	A-T-052w
n-Nitroso-n-dipropylamine$_A$	<1	<1						µg/l	1	A-T-052w
Diethyl phthalate$_A$	<1	<1						µg/l	1	A-T-052w
Dimethyl phthalate$_A$	<1	<1						µg/l	1	A-T-052w
Hexachlorobenzene$_A$	<1	<1						µg/l	1	A-T-052w
Pentachlorophenol (SVOC)$_A$	<1	<1						µg/l	1	A-T-052w
Phenol$_A$	<1	<1						µg/l	1	A-T-052w
Hexachloroethane$_A$	<1	<1						µg/l	1	A-T-052w
Nitrobenzene$_A$	<1	<1						µg/l	1	A-T-052w

Envirolab Job Number: 21/01475

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01475/1	21/01475/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH108	BH110								
Depth to Top										
Depth To Bottom										
Date Sampled	15-Feb-21	15-Feb-21								
Sample Type	Water - EW	Water - EW								
Sample Matrix Code	N/A	N/A								
Isophorone$_A$	<1	<1						µg/l	1	A-T-052w
Hexachlorocyclopentadiene$_A$	<1	<1						µg/l	1	A-T-052w
Perylene$_A$	<1	<1						µg/l	1	A-T-052w

Envirolab Job Number: 21/01475

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01475/1	21/01475/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH108	BH110								
Depth to Top										
Depth To Bottom										
Date Sampled	15-Feb-21	15-Feb-21								
Sample Type	Water - EW	Water - EW								
Sample Matrix Code	N/A	N/A								
VOC (w)										
Dichlorodifluoromethane$_A$	<1	<1						µg/l	1	A-T-006w
Chloromethane$_A$	<10	<10						µg/l	10	A-T-006w
Vinyl Chloride$_A^\#$	*<1*	*<1*						µg/l	1	A-T-006w
Bromomethane$_A^\#$	*<1*	*<1*						µg/l	1	A-T-006w
Chloroethane$_A^\#$	<1	<1						µg/l	1	A-T-006w
Trichlorofluoromethane$_A^\#$	<1	<1						µg/l	1	A-T-006w
trans 1,2-Dichloroethene$_A^\#$	<1	<1						µg/l	1	A-T-006w
Dichloromethane$_A$	<5	<5						µg/l	5	A-T-006w
Carbon Disulphide$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,1-Dichloroethene$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,1-Dichloroethane$_A^\#$	<1	<1						µg/l	1	A-T-006w
cis 1,2-Dichloroethene$_A^\#$	<1	<1						µg/l	1	A-T-006w
Bromochloromethane$_A^\#$	<5	<5						µg/l	5	A-T-006w
Chloroform$_A^\#$	<1	<1						µg/l	1	A-T-006w
2,2-Dichloropropane$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,2-Dichloroethane$_A^\#$	<2	<2						µg/l	2	A-T-006w
1,1,1-Trichloroethane$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,1-Dichloropropene$_A^\#$	<1	<1						µg/l	1	A-T-006w
Benzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
Carbon Tetrachloride$_A^\#$	<1	<1						µg/l	1	A-T-006w
Dibromomethane$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,2-Dichloropropane$_A^\#$	<1	<1						µg/l	1	A-T-006w
Bromodichloromethane$_A^\#$	<10	<10						µg/l	10	A-T-006w
Trichloroethene$_A^\#$	<1	<1						µg/l	1	A-T-006w
cis 1,3-Dichloropropene$_A^\#$	<1	<1						µg/l	1	A-T-006w
trans 1,3-Dichloropropene$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,1,2-Trichloroethane$_A^\#$	<1	<1						µg/l	1	A-T-006w
Toluene$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,3-Dichloropropane$_A^\#$	<1	<1						µg/l	1	A-T-006w
Dibromochloromethane$_A^\#$	<3	<3						µg/l	3	A-T-006w
1,2-Dibromoethane$_A^\#$	<1	<1						µg/l	1	A-T-006w
Tetrachloroethene$_A$	<1	<1						µg/l	1	A-T-006w

Envirolab Job Number: 21/01475 **Client Project Name: Mayfield Park**

Client Project Ref: 4153

Lab Sample ID	21/01475/1	21/01475/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH108	BH110								
Depth to Top										
Depth To Bottom										
Date Sampled	15-Feb-21	15-Feb-21								
Sample Type	Water - EW	Water - EW								
Sample Matrix Code	N/A	N/A								
1,1,1,2-Tetrachloroethane$_A$	<1	<1						µg/l	1	A-T-006w
Chlorobenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
Ethylbenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
m & p Xylene$_A^\#$	<1	<1						µg/l	1	A-T-006w
Bromoform$_A^\#$	<1	<1						µg/l	1	A-T-006w
Styrene$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,1,2,2-Tetrachloroethane$_A$	<1	<1						µg/l	1	A-T-006w
o-Xylene$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,2,3-Trichloropropane$_A^\#$	<1	<1						µg/l	1	A-T-006w
Isopropylbenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
Bromobenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
2-Chlorotoluene$_A^\#$	<1	<1						µg/l	1	A-T-006w
n-propylbenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
4-Chlorotoluene$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,2,4-Trimethylbenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
4-Isopropyltoluene$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,3,5-Trimethylbenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,2-Dichlorobenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,4-Dichlorobenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
sec-Butylbenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
tert-Butylbenzene$_A^\#$	<2	<2						µg/l	2	A-T-006w
1,3-Dichlorobenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
n-butylbenzene$_A^\#$	<1	<1						µg/l	1	A-T-006w
1,2-Dibromo-3-chloropropane$_A^\#$	<2	<2						µg/l	2	A-T-006w
1,2,4-Trichlorobenzene$_A^\#$	<3	<3						µg/l	3	A-T-006w
1,2,3-Trichlorobenzene$_A^\#$	<3	<3						µg/l	3	A-T-006w
Hexachlorobutadiene$_A^\#$	<1	<1						µg/l	1	A-T-006w

Envirolab Job Number: 21/01475

Client Project Name: Mayfield Park

Client Project Ref: 4153

Lab Sample ID	21/01475/1	21/01475/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH108	BH110								
Depth to Top										
Depth To Bottom										
Date Sampled	15-Feb-21	15-Feb-21								
Sample Type	Water - EW	Water - EW								
Sample Matrix Code	N/A	N/A								
TPH UKCWG (w)										
Ali >C5-C6 $(w)_A^{\#}$	<1	<1						µg/l	1	A-T-022w
Ali >C6-C8 $(w)_A^{\#}$	<1	<1						µg/l	1	A-T-022w
Ali >C8-C10 $(w)_A^{\#}$	<5	<5						µg/l	5	A-T-055w
Ali >C10-C12 $(w)_A^{\#}$	<5	<5						µg/l	5	A-T-055w
Ali >C12-C16 $(w)_A^{\#}$	<5	<5						µg/l	5	A-T-055w
Ali >C16-C21 $(w)_A^{\#}$	<5	<5						µg/l	5	A-T-055w
Ali >C21-C35 $(w)_A^{\#}$	<5	12						µg/l	5	A-T-055w
Ali >C35-C44 $(w)_A$	<5	<5						µg/l	5	A-T-055w
Total Aliphatics $(w)_A$	<5	12						µg/l	5	A-T-055w
Aro >C5-C7 $(w)_A^{\#}$	<1	<1						µg/l	1	A-T-022w
Aro >C7-C8 $(w)_A^{\#}$	<1	<1						µg/l	1	A-T-022w
Aro >C8-C10 $(w)_A$	<5	<5						µg/l	5	A-T-055w
Aro >C10-C12 $(w)_A^{\#}$	<5	<5						µg/l	5	A-T-055w
Aro >C12-C16 $(w)_A^{\#}$	<5	<5						µg/l	5	A-T-055w
Aro >C16-C21 $(w)_A^{\#}$	<5	<5						µg/l	5	A-T-055w
Aro >C21-C35 $(w)_A^{\#}$	<10	<10						µg/l	10	A-T-055w
Aro >C35-C44 $(w)_A$	<5	<5						µg/l	5	A-T-055w
Total Aromatics $(w)_A$	<10	<10						µg/l	10	A-T-055w
TPH (Ali & Aro >C5-C44) $(w)_A$	<10	12						µg/l	10	A-T-055w
BTEX - Benzene $(w)_A^{\#}$	<1	<1						µg/l	1	A-T-022w
BTEX - Toluene $(w)_A^{\#}$	<1	<1						µg/l	1	A-T-022w
BTEX - Ethyl Benzene $(w)_A^{\#}$	<1	<1						µg/l	1	A-T-022w
BTEX - m & p Xylene $(w)_A^{\#}$	<1	<1						µg/l	1	A-T-022w
BTEX - o Xylene $(w)_A^{\#}$	<1	<1						µg/l	1	A-T-022w
MTBE $(w)_A^{\#}$	<1	<1						µg/l	1	A-T-022w

REPORT NOTES

General
This report shall not be reproduced, except in full, without written approval from Envirolab.
The results reported herein relate only to the material supplied to the laboratory.
The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.
Analytical results reflect the quality of the sample at the time of analysis only.
Opinions and interpretations expressed are outside the scope of our accreditation.
If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Mayfield Park

Clients Project No: 4153

Project No: 21/01475

Date Received: 16/02/2021 (am)

Cool Box Temperatures (°C): 13.0

Lab Sample ID	21/01475/1
Client Sample No	
Client Sample ID/Depth	BH108
Date Sampled	15/02/21
Deviation Code	
A9 (no H2SO4)	✓

Key
A9 (no H2SO4) *No H2SO4 preserved bottle provided (phenols, ammonia, DOC, COD will be deviating)*

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

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Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 21/01737
Issue Number: 1 **Date:** 25 February, 2021

Client:
ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Reece McGuinness; Alex Smiles
Project Name: Mayfield Park
Project Ref: U153
Order No: 1636
Date Samples Received: 19/02/21
Date Instructions Received: 22/02/21
Date Analysis Completed: 25/02/21

Prepared by:

Melanie Marshall
Laboratory Coordinator

Approved by:

Holly Neary-King
Client Services Supervisor

UKAS TESTING
1247

Envirolab Job Number: 21/01737

Client Project Name: Mayfield Park

Client Project Ref: U153

Lab Sample ID	21/01737/1	21/01737/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO107	RO102								
Depth to Top										
Depth To Bottom										
Date Sampled	19-Feb-21	19-Feb-21								
Sample Type	Water - EW	Water - EW								
Sample Matrix Code	N/A	N/A								
pH (w)$_{A}^{\#}$	6.37	7.31						pH	0.01	A-T-031w
Electrical conductivity @ 20degC (w)$_{A}^{\#}$	1284	891						µs/cm	10	A-T-037w
Hardness Total$_{A}^{\#}$	602	417						mg/l Ca CO3	2	A-T-049w
Ammoniacal nitrogen as N (w)$_{A}^{\#}$	0.09	<0.02						mg/l	0.02	A-T-033w
Sulphate (w)$_{A}^{\#}$	58	265						mg/l	1	A-T-026w
Cyanide (total) (w)$_{A}^{\#}$	<0.005	0.007						mg/l	0.005	A-T-042wTCN
Arsenic (dissolved)$_{A}^{\#}$	7	432						µg/l	1	A-T-025w
Cadmium (dissolved)$_{A}^{\#}$	<0.2	0.4						µg/l	0.2	A-T-025w
Copper (dissolved)$_{A}^{\#}$	2	3						µg/l	1	A-T-025w
Chromium (dissolved)$_{A}^{\#}$	<1	2						µg/l	1	A-T-025w
Lead (dissolved)$_{A}^{\#}$	<1	<1						µg/l	1	A-T-025w
Mercury (dissolved)$_{A}^{\#}$	<0.1	<0.1						µg/l	0.1	A-T-025w
Nickel (dissolved)$_{A}^{\#}$	12	<1						µg/l	1	A-T-025w
Selenium (dissolved)$_{A}^{\#}$	<1	9						µg/l	1	A-T-025w
Zinc (dissolved)$_{A}^{\#}$	40	11						µg/l	1	A-T-025w

Envirolab Job Number: 21/01737

Client Project Name: Mayfield Park

Client Project Ref: U153

Lab Sample ID	21/01737/1	21/01737/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO107	RO102								
Depth to Top										
Depth To Bottom										
Date Sampled	19-Feb-21	19-Feb-21								
Sample Type	Water - EW	Water - EW								
Sample Matrix Code	N/A	N/A								
PAH 16MS (w)										
Acenaphthene (w)$_{A}^{\#}$	5.56	<0.01						µg/l	0.01	A-T-019w
Acenaphthylene (w)$_{A}^{\#}$	<0.10	<0.01						µg/l	0.01	A-T-019w
Anthracene (w)$_{A}^{\#}$	1.00	<0.01						µg/l	0.01	A-T-019w
Benzo(a)anthracene (w)$_{A}^{\#}$	<0.10	<0.01						µg/l	0.01	A-T-019w
Benzo(a)pyrene (w)$_{A}^{\#}$	<0.10	<0.01						µg/l	0.01	A-T-019w
Benzo(b)fluoranthene (w)$_{A}^{\#}$	<0.10	<0.01						µg/l	0.01	A-T-019w
Benzo(ghi)perylene (w)$_{A}^{\#}$	<0.10	<0.01						µg/l	0.01	A-T-019w
Benzo(k)fluoranthene (w)$_{A}^{\#}$	<0.10	<0.01						µg/l	0.01	A-T-019w
Chrysene (w)$_{A}^{\#}$	0.27	<0.01						µg/l	0.01	A-T-019w
Dibenzo(ah)anthracene (w)$_{A}^{\#}$	<0.10	<0.01						µg/l	0.01	A-T-019w
Fluoranthene (w)$_{A}^{\#}$	0.26	<0.01						µg/l	0.01	A-T-019w
Fluorene (w)$_{A}^{\#}$	12.3	0.01						µg/l	0.01	A-T-019w
Indeno(123-cd)pyrene (w)$_{A}^{\#}$	<0.10	<0.01						µg/l	0.01	A-T-019w
Naphthalene (w)$_{A}^{\#}$	46	0.02						µg/l	0.01	A-T-019w
Phenanthrene (w)$_{A}^{\#}$	16.2	<0.01						µg/l	0.01	A-T-019w
Pyrene (w)$_{A}^{\#}$	0.95	<0.01						µg/l	0.01	A-T-019w
Total PAH 16MS (w)$_{A}^{\#}$	82.5	0.03						µg/l	0.01	A-T-019w
Phenols (speciated HPLC) (w)										
Phenol (w)$_{A}$	<0.01	<0.01						mg/l	0.01	A-T-050w
Cresols (w)$_{A}$	<0.01	<0.01						mg/l	0.01	A-T-050w
Xylenols (w)$_{A}$	<0.01	<0.01						mg/l	0.01	A-T-050w
Resorcinol (w) $_{A}$	<0.01	<0.01						mg/l	0.01	A-T-050w
Phenols - Total by HPLC (w)$_{A}$	<0.01	<0.01						mg/l	0.01	A-T-050w

Envirolab Job Number: 21/01737

Client Project Name: Mayfield Park

Client Project Ref: U153

Lab Sample ID	21/01737/1	21/01737/2						Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	RO107	RO102								
Depth to Top										
Depth To Bottom										
Date Sampled	19-Feb-21	19-Feb-21								
Sample Type	Water - EW	Water - EW								
Sample Matrix Code	N/A	N/A								
TPH CWG (w)										
Ali >C5-C6 (w)$_A^{\#}$	<1	<1						µg/l	1	A-T-022w
Ali >C6-C8 (w)$_A^{\#}$	56	<1						µg/l	1	A-T-022w
Ali >C8-C10 (w)$_A^{\#}$	2940	<5						µg/l	5	A-T-055w
Ali >C10-C12 (w)$_A^{\#}$	8490	<5						µg/l	5	A-T-055w
Ali >C12-C16 (w)$_A^{\#}$	40000	<5						µg/l	5	A-T-055w
Ali >C16-C21 (w)$_A^{\#}$	30400	<5						µg/l	5	A-T-055w
Ali >C21-C35 (w)$_A^{\#}$	8170	<5						µg/l	5	A-T-055w
Total Aliphatics (w)$_A^{\#}$	90000	<5						µg/l	5	A-T-055w
Aro >C5-C7 (w)$_A^{\#}$	2	<1						µg/l	1	A-T-022w
Aro >C7-C8 (w)$_A^{\#}$	<1	<1						µg/l	1	A-T-022w
Aro >C8-C10 (w)$_A$	1250	<5						µg/l	5	A-T-055w
Aro >C10-C12 (w)$_A^{\#}$	4400	<5						µg/l	5	A-T-055w
Aro >C12-C16 (w)$_A^{\#}$	18900	<5						µg/l	5	A-T-055w
Aro >C16-C21 (w)$_A^{\#}$	10500	<5						µg/l	5	A-T-055w
Aro >C21-C35 (w)$_A^{\#}$	2090	<10						µg/l	10	A-T-055w
Total Aromatics (w)$_A$	37200	<10						µg/l	10	A-T-055w
TPH (Ali & Aro >C5-C35) (w)$_A$	127000	<10						µg/l	10	A-T-055w
BTEX - Benzene (w)$_A^{\#}$	2	<1						µg/l	1	A-T-022w
BTEX - Toluene (w)$_A^{\#}$	<1	<1						µg/l	1	A-T-022w
BTEX - Ethyl Benzene (w)$_A^{\#}$	9	<1						µg/l	1	A-T-022w
BTEX - m & p Xylene (w)$_A^{\#}$	16	<1						µg/l	1	A-T-022w
BTEX - o Xylene (w)$_A^{\#}$	16	<1						µg/l	1	A-T-022w
MTBE (w)$_A^{\#}$	<1	<1						µg/l	1	A-T-022w

REPORT NOTES

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Analytical results reflect the quality of the sample at the time of analysis only.
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A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.
The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

Soil chemical analysis:
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.
For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any “A” subscripts
All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH analysis of water by method A-T-007:
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Electrical Conductivity of water by Method A-T-037:
Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

Asbestos:
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample.
Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.
Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

Key:
IS indicates Insufficient Sample for analysis.
US indicates Unsuitable Sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Superscript "M" indicates method accredited to MCERTS.
Subscript "A" indicates analysis performed on the sample as received.
Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield, Manchester, M15 4PZ

Project: Mayfield Park

Clients Project No: U153

Project No: 21/01737

Date Received: 22/02/2021 (am)

Cool Box Temperatures (°C): 11.5

NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

envirolab
Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

SUPPLEMENT TO TEST REPORT 20/06843/1

Envirolab Job Number:	20/06843		
Issue Number:	2	Date:	15-Dec-20
Client:	ROCP LIMITED Commercial Wharf 6 Commercial Street Castlefield Manchester M15 4PZ		
Project Manager:	Liam Daley		
Project Name:	Mayfield Park		
Project Ref:	4153		
Order No:	1572		
Date Samples Received:	17-Aug-20		
Date Instructions Received:	18-Aug-20		
Date Analysis Completed:	10-Nov-20		

Notes - Soil analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

This report shall not be reproduced, except in full, without written approval from Envirolab.

Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Sophie France
Client Service Manager

envirolab

Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06843/7				
Client Sample Number						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID				TP401				
Depth to Top				2				
Depth to Bottom								
Date Sampled				13/08/2020				
Sample Type				Soil				
Sample Matrix Code				6ABE				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**8.17**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.15**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.03**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**19.9**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**2.65**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**82**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**622**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1**	**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
				mg/l	**mg/kg**			
Arsenic	A-T-025	N	N	0.008	**0.080**	0.5	2	25
Barium	A-T-025	N	N	0.068	**0.680**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	0.002	**0.020**	0.5	10	70
Copper	A-T-025	N	N	0.025	**0.250**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.006	**0.060**	0.5	10	30
Nickel	A-T-025	N	N	0.003	**0.030**	0.4	10	40
Lead	A-T-025	N	N	0.061	**0.610**	0.5	10	50
Antimony	A-T-025	N	N	0.003	**0.030**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.090	**0.900**	4	50	200
Chloride	A-T-026	N	N	<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N	0.9	**9.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	39	**394**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	95	**950**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<0.2	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	8.3				
Conductivity (µS/cm)	A-T-037	N	N	189				
Mass Sample (kg)				0.204				
Dry Matter (%)	A-T-044	N	N	85.8				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

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Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06843/9				
Client Sample Number								
Client Sample ID				TP403				
Depth to Top				1		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Depth to Bottom								
Date Sampled				13/08/2020				
Sample Type				Soil				
Sample Matrix Code				6ABE				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**8.00**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.8**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.24**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**4.7**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**2.25**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**21.1**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**302**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1 mg/l**	**10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.001	**0.010**	0.5	2	25
Barium	A-T-025	N	N	0.039	**0.390**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	0.024	**0.240**	0.5	10	70
Copper	A-T-025	N	N	0.006	**0.060**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.007	**0.070**	0.5	10	30
Nickel	A-T-025	N	N	<0.001	**<0.01**	0.4	10	40
Lead	A-T-025	N	N	0.026	**0.260**	0.5	10	50
Antimony	A-T-025	N	N	<0.001	**<0.01**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.012	**0.120**	4	50	200
Chloride	A-T-026	N	N	<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N	0.5	**5.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	46	**464**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	96	**960**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<0.2	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	8.4				
Conductivity (µS/cm)	A-T-037	N	N	191				
Mass Sample (kg)				0.208				
Dry Matter (%)	A-T-044	N	N	84.2				

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Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06843/19				
Client Sample Number								
Client Sample ID				TP406				
Depth to Top				2.5				
Depth to Bottom						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Date Sampled								
Sample Type				Soil				
Sample Matrix Code				6AE				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**9.04**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.48**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.09**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**2.7**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**1.2**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**7.46**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**99**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1** mg/l	**10:1** mg/kg	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.005	**0.050**	0.5	2	25
Barium	A-T-025	N	N	0.017	**0.170**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	0.003	**0.030**	0.5	10	70
Copper	A-T-025	N	N	0.006	**0.060**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.003	**0.030**	0.5	10	30
Nickel	A-T-025	N	N	<0.001	**<0.01**	0.4	10	40
Lead	A-T-025	N	N	0.003	**0.030**	0.5	10	50
Antimony	A-T-025	N	N	0.005	**0.050**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.004	**0.040**	4	50	200
Chloride	A-T-026	N	N	<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N	0.2	**2.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	242	**2424**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	302	**3020**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<0.2	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	10.2				
Conductivity (µS/cm)	A-T-037	N	N	603				
Mass Sample (kg)				0.209				
Dry Matter (%)	A-T-044	N	N	83.7				

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Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

SUPPLEMENT TO TEST REPORT 20/07472/1

Envirolab Job Number:	20/07472		
Issue Number:	2	Date:	15-Dec-20
Client:	ROCP LIMITED Commercial Wharf 6 Commercial Street Castlefield Manchester M15 4PZ		
Project Manager:	Elizabeth Stewart/Liam Daley		
Project Name:	Mayfield		
Project Ref:	4153		
Order No:	1572		
Date Samples Received:	7-Sep-20		
Date Instructions Received:	7-Sep-20		
Date Analysis Completed:	18-Sep-20		

Notes - Soil analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

Prepared by:

Danielle Brierley
Client Manager

Approved by:

Sophie France
Client Service Manager

Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	D	AR	M	20/07472/4				
Client Sample Number								
Client Sample ID					WS309			
Depth to Top					1.2			
Depth to Bottom					1.40			
Date Sampled					03/09/2020			
Sample Type					Soil - ES			
Sample Matrix Code					6ABE			
						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N		**8.57**	-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N		**0.84**	-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N		**0.09**	-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N		**8.4**	-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N		**4.89**	3	5	6
PAH Sum of 17 (mg/kg)$_A$	A-T-019	N	N		**4.17**	100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N		**176**	500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N		**<0.007**	1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N		**<0.01**	6	-	-
Eluate Analysis					**10:1 mg/l**	**10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N		0.955	**9.550**	0.5	2	25
Barium	A-T-025	N	N		0.019	**0.190**	20	100	300
Cadmium	A-T-025	N	N		<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N		0.004	**0.040**	0.5	10	70
Copper	A-T-025	N	N		0.016	**0.160**	2	50	100
Mercury	A-T-025	N	N		<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N		0.003	**0.030**	0.5	10	30
Nickel	A-T-025	N	N		<0.001	**<0.01**	0.4	10	40
Lead	A-T-025	N	N		0.030	**0.300**	0.5	10	50
Antimony	A-T-025	N	N		0.004	**0.040**	0.06	0.7	5
Selenium	A-T-025	N	N		<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N		0.009	**0.090**	4	50	200
Chloride	A-T-026	N	N		<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N		0.4	**4.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N		6	**57**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N		55	**550**	4000	60000	100000
Phenol Index	A-T-050	N	N		<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N		<0.2	**<200**	500	800	1000
Leach Test Information									
pH (pH Units)	A-T-031	N	N		7.8				
Conductivity (µS/cm)	A-T-037	N	N		110				
Mass Sample (kg)					0.243				
Dry Matter (%)	A-T-044	N	N		72				

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Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

SUPPLEMENT TO TEST REPORT 20/07817/1

Envirolab Job Number:	20/07817		
Issue Number:	2	Date:	15-Dec-20
Client:	ROCP LIMITED Commercial Wharf 6 Commercial Street Castlefield Manchester M15 4PZ		
Project Manager:	Liam Daley		
Project Name:	Mayfield		
Project Ref:	4153		
Order No:	1572		
Date Samples Received:	15-Sep-20		
Date Instructions Received:	16-Sep-20		
Date Analysis Completed:	16-Nov-20		

Notes - Soil analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

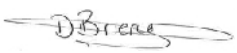
Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

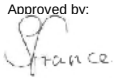
Please contact us if you need any further information.

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Sophie France
Client Service Manager

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Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	D	A	M	20/07817/3			
Client Sample Number								
Client Sample ID					TP310			
Depth to Top					1.5			
Depth to Bottom								
Date Sampled					14/09/2020			
Sample Type					Solid			
Sample Matrix Code					7			
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N		**8.25**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N		**0.42**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N		**0.09**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N		**20.9**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N		**6.49**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N		**<0.08**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N		**44**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N		**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N		**<0.01**		6	-	-
Eluate Analysis					**10:1**	**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
					mg/l	**mg/kg**			
Arsenic	A-T-025	N	N		0.005	**0.050**	0.5	2	25
Barium	A-T-025	N	N		0.047	**0.470**	20	100	300
Cadmium	A-T-025	N	N		<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N		0.020	**0.200**	0.5	10	70
Copper	A-T-025	N	N		0.012	**0.120**	2	50	100
Mercury	A-T-025	N	N		<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N		0.024	**0.240**	0.5	10	30
Nickel	A-T-025	N	N		<0.001	**<0.01**	0.4	10	40
Lead	A-T-025	N	N		0.003	**0.030**	0.5	10	50
Antimony	A-T-025	N	N		0.080	**0.800**	0.06	0.7	5
Selenium	A-T-025	N	N		<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N		0.013	**0.130**	4	50	200
Chloride	A-T-026	N	N		<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N		0.5	**5.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N		85	**847**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N		199	**1990**	4000	60000	100000
Phenol Index	A-T-050	N	N		<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N		<0.2	**<200**	500	800	1000
Leach Test Information									
pH (pH Units)	A-T-031	N	N		8.5				
Conductivity (µS/cm)	A-T-037	N	N		398				
Mass Sample (kg)					0.334				
Dry Matter (%)	A-T-044	N	N		52.3				

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Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	D	A	M	20/07817/7			
Client Sample Number								
Client Sample ID					TP312			
Depth to Top					0.5			
Depth to Bottom								
Date Sampled					14/09/2020			
Sample Type					Soil - ES			
Sample Matrix Code					6ABE			
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N		**7.70**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N		**0.25**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N		**0.07**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N		**20.6**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N		**19.6**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N		**<0.08**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N		**<10**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N		**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N		**<0.01**		6	-	-
Eluate Analysis					**10:1**	**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
					mg/l	**mg/kg**			
Arsenic	A-T-025	N	N		0.001	**0.010**	0.5	2	25
Barium	A-T-025	N	N		0.027	**0.270**	20	100	300
Cadmium	A-T-025	N	N		<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N		0.006	**0.060**	0.5	10	70
Copper	A-T-025	N	N		0.013	**0.130**	2	50	100
Mercury	A-T-025	N	N		<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N		0.007	**0.070**	0.5	10	30
Nickel	A-T-025	N	N		0.002	**0.020**	0.4	10	40
Lead	A-T-025	N	N		0.002	**0.020**	0.5	10	50
Antimony	A-T-025	N	N		0.002	**0.020**	0.06	0.7	5
Selenium	A-T-025	N	N		<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N		0.007	**0.070**	4	50	200
Chloride	A-T-026	N	N		9	**85**	800	15000	25000
Fluoride	A-T-026	N	N		0.1	**1.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N		623	**6234**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N		663	**6630**	4000	60000	100000
Phenol Index	A-T-050	N	N		<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N		<0.2	**<200**	500	800	1000
Leach Test Information									
pH (pH Units)	A-T-031	N	N		8.1				
Conductivity (µS/cm)	A-T-037	N	N		1325				
Mass Sample (kg)					0.224				
Dry Matter (%)	A-T-044	N	N		78.3				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

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Sample Details							Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	D	A	M	20/07817/12				
Client Sample Number							Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID					BH401				
Depth to Top					1				
Depth to Bottom									
Date Sampled					09/09/2020				
Sample Type					Soil - ES				
Sample Matrix Code					6ABE				
Solid Waste Analysis									
pH (pH Units)$_D$	A-T-031	N	N		**8.97**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N		**0.9**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N		**0.26**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N		**18.8**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N		**3.66**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N		**50.4**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N		**50**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N		**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N		**<0.01**		6	-	-
Eluate Analysis					**10:1**	**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
					mg/l	**mg/kg**			
Arsenic	A-T-025	N	N		0.015	**0.150**	0.5	2	25
Barium	A-T-025	N	N		0.051	**0.510**	20	100	300
Cadmium	A-T-025	N	N		<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N		0.011	**0.110**	0.5	10	70
Copper	A-T-025	N	N		0.022	**0.220**	2	50	100
Mercury	A-T-025	N	N		<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N		0.006	**0.060**	0.5	10	30
Nickel	A-T-025	N	N		<0.001	**<0.01**	0.4	10	40
Lead	A-T-025	N	N		0.048	**0.480**	0.5	10	50
Antimony	A-T-025	N	N		0.021	**0.210**	0.06	0.7	5
Selenium	A-T-025	N	N		0.001	**0.010**	0.1	0.5	7
Zinc	A-T-025	N	N		0.041	**0.410**	4	50	200
Chloride	A-T-026	N	N		<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N		0.6	**6.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N		20	**196**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N		71	**710**	4000	60000	100000
Phenol Index	A-T-050	N	N		<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N		<0.2	**<200**	500	800	1000
Leach Test Information									
pH (pH Units)	A-T-031	N	N		8.1				
Conductivity (µS/cm)	A-T-037	N	N		142				
Mass Sample (kg)					0.2				
Dry Matter (%)	A-T-044	N	N		87.3				

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Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

SUPPLEMENT TO TEST REPORT 20/07819/1

Envirolab Job Number:	20/07819		
Issue Number:	2	Date:	15-Dec-20
Client:	ROCP LIMITED Commercial Wharf 6 Commercial Street Castlefield Manchester M15 4PZ		
Project Manager:	Liam Daley		
Project Name:	Mayfield		
Project Ref:	4153		
Order No:	1572		
Date Samples Received:	15-Sep-20		
Date Instructions Received:	16-Sep-20		
Date Analysis Completed:	16-Nov-20		

Notes - Soil analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

This report shall not be reproduced, except in full, without written approval from Envirolab.

Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

Prepared by:

Danielle Brierley
Client Manager

Approved by:

Sophie France
Client Service Manager

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Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	D	AR	M	20/07819/2				
Client Sample Number						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID					TP308			
Depth to Top					1			
Depth to Bottom								
Date Sampled					09/09/2020			
Sample Type					Soil - ES			
Sample Matrix Code					6ABE			
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N		**8.02**	-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N		**0.74**	-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N		**0.09**	-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N		**4.2**	-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N		**1.79**	3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N		**7.71**	100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N		**27**	500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N		**<0.007**	1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N		**<0.01**	6	-	-
Eluate Analysis					**10:1 mg/l**	**10:1 mg/kg**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N		0.004	**0.040**	0.5	2	25
Barium	A-T-025	N	N		0.025	**0.250**	20	100	300
Cadmium	A-T-025	N	N		<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N		0.010	**0.100**	0.5	10	70
Copper	A-T-025	N	N		<0.001	**<0.01**	2	50	100
Mercury	A-T-025	N	N		<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N		0.005	**0.050**	0.5	10	30
Nickel	A-T-025	N	N		<0.001	**<0.01**	0.4	10	40
Lead	A-T-025	N	N		<0.001	**<0.01**	0.5	10	50
Antimony	A-T-025	N	N		0.004	**0.040**	0.06	0.7	5
Selenium	A-T-025	N	N		<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N		0.002	**0.020**	4	50	200
Chloride	A-T-026	N	N		<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N		0.3	**3.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N		153	**1530**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N		179	**1790**	4000	60000	100000
Phenol Index	A-T-050	N	N		<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N		<0.2	**<200**	500	800	1000
Leach Test Information									
pH (pH Units)	A-T-031	N	N		7.6				
Conductivity (µS/cm)	A-T-037	N	N		357				
Mass Sample (kg)					0.209				
Dry Matter (%)	A-T-044	N	N		83.8				

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Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	D	A	M	20/07819/9			
Client Sample Number								
Client Sample ID					TP407			
Depth to Top					1			
Depth to Bottom								
Date Sampled					09/09/2020			
Sample Type					Soil - ES			
Sample Matrix Code					6ABE			
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N		**8.73**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N		**0.56**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N		**0.11**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N		**20.8**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N		**3.11**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N		**10.1**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N		**109**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N		**0.01**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N		**<0.01**		6	-	-
Eluate Analysis					**10:1**	**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
					mg/l	**mg/kg**			
Arsenic	A-T-025	N	N		0.011	**0.110**	0.5	2	25
Barium	A-T-025	N	N		0.144	**1.440**	20	100	300
Cadmium	A-T-025	N	N		<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N		0.012	**0.120**	0.5	10	70
Copper	A-T-025	N	N		0.016	**0.160**	2	50	100
Mercury	A-T-025	N	N		<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N		<0.001	**<0.01**	0.5	10	30
Nickel	A-T-025	N	N		<0.001	**<0.01**	0.4	10	40
Lead	A-T-025	N	N		0.117	**1.170**	0.5	10	50
Antimony	A-T-025	N	N		0.015	**0.150**	0.06	0.7	5
Selenium	A-T-025	N	N		<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N		0.121	**1.210**	4	50	200
Chloride	A-T-026	N	N		1	**14**	800	15000	25000
Fluoride	A-T-026	N	N		0.7	**7.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N		5	**51**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N		62	**620**	4000	60000	100000
Phenol Index	A-T-050	N	N		<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N		<0.2	**<200**	500	800	1000
Leach Test Information									
pH (pH Units)	A-T-031	N	N		7.9				
Conductivity (µS/cm)	A-T-037	N	N		123				
Mass Sample (kg)					0.21				
Dry Matter (%)	A-T-044	N	N		83.5				

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Sample Details							Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	D	A	M	20/07819/16				
Client Sample Number									
Client Sample ID					TP303				
Depth to Top					1.2				
Depth to Bottom									
Date Sampled					11/09/2020				
Sample Type					Soil - ES				
Sample Matrix Code					6AE				
Solid Waste Analysis									
pH (pH Units)$_D$	A-T-031	N	N		**7.96**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N		**0.23**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N		**0.03**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N		**12.4**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N		**11.7**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N		**26.7**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N		**7010**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N		**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N		**<0.01**		6	-	-
Eluate Analysis					**10:1**	**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
					mg/l	**mg/kg**			
Arsenic	A-T-025	N	N		0.008	**0.080**	0.5	2	25
Barium	A-T-025	N	N		0.045	**0.450**	20	100	300
Cadmium	A-T-025	N	N		<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N		<0.001	**<0.01**	0.5	10	70
Copper	A-T-025	N	N		0.004	**0.040**	2	50	100
Mercury	A-T-025	N	N		<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N		0.045	**0.450**	0.5	10	30
Nickel	A-T-025	N	N		0.002	**0.020**	0.4	10	40
Lead	A-T-025	N	N		0.004	**0.040**	0.5	10	50
Antimony	A-T-025	N	N		0.004	**0.040**	0.06	0.7	5
Selenium	A-T-025	N	N		0.001	**0.010**	0.1	0.5	7
Zinc	A-T-025	N	N		0.002	**0.020**	4	50	200
Chloride	A-T-026	N	N		1	**11**	800	15000	25000
Fluoride	A-T-026	N	N		0.3	**3.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N		27	**274**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N		141	**1410**	4000	60000	100000
Phenol Index	A-T-050	N	N		<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N		<0.2	**<200**	500	800	1000
Leach Test Information									
pH (pH Units)	A-T-031	N	N		7.9				
Conductivity (µS/cm)	A-T-037	N	N		281				
Mass Sample (kg)					0.221				
Dry Matter (%)	A-T-044	N	N		79.1				

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Sample Details							Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	D	A	M	20/07819/20				
Client Sample Number									
Client Sample ID					TP305				
Depth to Top					0.5				
Depth to Bottom									
Date Sampled					11/09/2020				
Sample Type					Soil - ES				
Sample Matrix Code					6ABE				
Solid Waste Analysis									
pH (pH Units)$_D$	A-T-031	N	N		**7.93**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N		**0.69**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N		**0.06**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N		**8.8**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N		**3.29**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N		**4.88**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N		**1450**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N		**0.009**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N		**<0.01**		6	-	-
Eluate Analysis					**10:1**	**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
					mg/l	**mg/kg**			
Arsenic	A-T-025	N	N		0.003	**0.030**	0.5	2	25
Barium	A-T-025	N	N		0.068	**0.680**	20	100	300
Cadmium	A-T-025	N	N		<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N		<0.001	**<0.01**	0.5	10	70
Copper	A-T-025	N	N		0.002	**0.020**	2	50	100
Mercury	A-T-025	N	N		<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N		0.010	**0.100**	0.5	10	30
Nickel	A-T-025	N	N		0.002	**0.020**	0.4	10	40
Lead	A-T-025	N	N		0.003	**0.030**	0.5	10	50
Antimony	A-T-025	N	N		0.060	**0.600**	0.06	0.7	5
Selenium	A-T-025	N	N		<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N		0.022	**0.220**	4	50	200
Chloride	A-T-026	N	N		2	**16**	800	15000	25000
Fluoride	A-T-026	N	N		0.5	**5.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N		419	**4188**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N		424	**4240**	4000	60000	100000
Phenol Index	A-T-050	N	N		<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N		<0.2	**<200**	500	800	1000
Leach Test Information									
pH (pH Units)	A-T-031	N	N		7.7				
Conductivity (µS/cm)	A-T-037	N	N		848				
Mass Sample (kg)					0.192				
Dry Matter (%)	A-T-044	N	N		91.4				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

SUPPLEMENT TO TEST REPORT 20/08419/1

Envirolab Job Number:	20/08419		
Issue Number:	2	Date:	15-Dec-20
Client:	ROCP LIMITED Commercial Wharf 6 Commercial Street Castlefield Manchester M15 4PZ		
Project Manager:	Liam Daley		
Project Name:	Mayfield		
Project Ref:	4153		
Order No:	1580		
Date Samples Received:	5-Oct-20		
Date Instructions Received:	6-Oct-20		
Date Analysis Completed:	23-Oct-20		

Notes - Soil analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

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Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

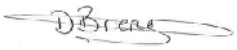
Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

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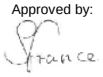
Please contact us if you need any further information.

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Sophie France
Client Service Manager

Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details							Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	D	A	M	20/08419/4		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample Number					SP4				
Client Sample ID									
Depth to Top					0.2				
Depth to Bottom									
Date Sampled					02/10/2020				
Sample Type					Soil - ES				
Sample Matrix Code					4AE				
Solid Waste Analysis									
pH (pH Units)$_D$	A-T-031	N		N	**8.40**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N		N	**0.16**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N		N	**0.03**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N		N	**6.2**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N		N	**3.83**		3	5	6
PAH Sum of 17 (mg/kg)$_A$	A-T-019	N		N	**25.7**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N		N	**37**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N		N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N		N	**<0.01**		6	-	-
Eluate Analysis					**10:1**	**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
					mg/l	**mg/kg**			
Arsenic	A-T-025	N		N	0.009	**0.090**	0.5	2	25
Barium	A-T-025	N		N	0.048	**0.480**	20	100	300
Cadmium	A-T-025	N		N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N		N	0.002	**0.020**	0.5	10	70
Copper	A-T-025	N		N	0.013	**0.130**	2	50	100
Mercury	A-T-025	N		N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N		N	<0.001	**<0.01**	0.5	10	30
Nickel	A-T-025	N		N	0.001	**0.010**	0.4	10	40
Lead	A-T-025	N		N	0.208	**2.080**	0.5	10	50
Antimony	A-T-025	N		N	0.003	**0.030**	0.06	0.7	5
Selenium	A-T-025	N		N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N		N	0.206	**2.060**	4	50	200
Chloride	A-T-026	N		N	1	**15**	800	15000	25000
Fluoride	A-T-026	N		N	0.5	**5.0**	10	150	500
Sulphate as SO_4	A-T-026	N		N	2	**18**	1000	20000	50000
Total Dissolved Solids	A-T-035	N		N	50	**500**	4000	60000	100000
Phenol Index	A-T-050	N		N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N		N	<0.2	**<200**	500	800	1000
Leach Test Information									
pH (pH Units)	A-T-031	N		N	7.4				
Conductivity (µS/cm)	A-T-037	N		N	99				
Mass Sample (kg)					0.204				
Dry Matter (%)	A-T-044	N		N	85.7				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

SUPPLEMENT TO TEST REPORT 20/09777/1

Envirolab Job Number: 20/09777
Issue Number: 2 Date: 15-Dec-20

Client: ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager: Liam Daley
Project Name: Mayfield Plot L
Project Ref: 4153
Order No: 1572

Date Samples Received: 13-Nov-20
Date Instructions Received: 16-Nov-20
Date Analysis Completed: 23-Nov-20

Notes - Soil analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

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Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

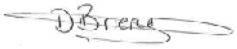
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Please contact us if you need any further information.

Prepared by:



Danielle Brierley
Client Manager

Approved by:



Sophie France
Client Service Manager

envirolab

Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details							Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	D	A	M	20/09777/1				
Client Sample Number									
Client Sample ID					Plot L		Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Depth to Top					0.2				
Depth to Bottom									
Date Sampled					13/11/2020				
Sample Type					Soil - ES				
Sample Matrix Code					6AE				
Solid Waste Analysis									
pH (pH Units)$_D$	A-T-031	N	N		**7.96**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N		**1.13**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N		**0.09**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N		**8.2**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N		**5.57**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N		**7.42**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N		**164**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N		**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N		**<0.01**		6	-	-
Eluate Analysis					**10:1**	**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
					mg/l	**mg/kg**			
Arsenic	A-T-025	N	N		0.002	**0.020**	0.5	2	25
Barium	A-T-025	N	N		0.128	**1.280**	20	100	300
Cadmium	A-T-025	N	N		<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N		0.001	**0.010**	0.5	10	70
Copper	A-T-025	N	N		0.010	**0.100**	2	50	100
Mercury	A-T-025	N	N		<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N		0.002	**0.020**	0.5	10	30
Nickel	A-T-025	N	N		<0.001	**<0.01**	0.4	10	40
Lead	A-T-025	N	N		0.006	**0.060**	0.5	10	50
Antimony	A-T-025	N	N		0.014	**0.140**	0.06	0.7	5
Selenium	A-T-025	N	N		<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N		0.008	**0.080**	4	50	200
Chloride	A-T-026	N	N		1	**12**	800	15000	25000
Fluoride	A-T-026	N	N		0.4	**4.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N		249	**2486**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N		274	**2740**	4000	60000	100000
Phenol Index	A-T-050	N	N		<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N		<0.2	**<200**	500	800	1000
Leach Test Information									
pH (pH Units)	A-T-031	N	N		8.2				
Conductivity (µS/cm)	A-T-037	N	N		548				
Mass Sample (kg)					0.255				
Dry Matter (%)	A-T-044	N	N		68.6				

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Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

Envirolab Job Number:	20/06795
Issue Number:	1
Date:	27-Aug-20

Client: ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager:	Liam Daley
Project Name:	Plots O + N
Project Ref:	4134
Order No:	1573
Date Samples Received:	14-Aug-20
Date Instructions Received:	17-Aug-20
Date Analysis Completed:	26-Aug-20

Notes - Soil analysis

All results are reported as dry weight (<40°C).

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Please contact us if you need any further information.

Prepared by:



Melanie Marshall
Laboratory Coordinator

Approved by:



Richard Wong
Client Manager

envirolab

Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06795/5				
Client Sample Number								
Client Sample ID				TP103				
Depth to Top				1.2				
Depth to Bottom								
Date Sampled				12/08/2020				
Sample Type				Soil - ES				
Sample Matrix Code				4ABE				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**9.53**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.69**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.04**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**4.6**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**2.99**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**12.6**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**74**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**0.091**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1**	**10:1**	**Limit values for compliance leaching test using**		
				mg/l	**mg/kg**	**BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.099	**0.990**	0.5	2	25
Barium	A-T-025	N	N	0.188	**1.880**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	0.019	**0.190**	0.5	10	70
Copper	A-T-025	N	N	0.058	**0.580**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.002	**0.020**	0.5	10	30
Nickel	A-T-025	N	N	0.002	**0.020**	0.4	10	40
Lead	A-T-025	N	N	2.731	**27.310**	0.5	10	50
Antimony	A-T-025	N	N	0.005	**0.050**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.233	**2.330**	4	50	200
Chloride	A-T-026	N	N	10	**96**	800	15000	25000
Fluoride	A-T-026	N	N	1.2	**12.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	<1.00	**<10**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	52	**520**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<0.2	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	9.4				
Conductivity (µS/cm)	A-T-037	N	N	105				
Mass Sample (kg)				0.215				
Dry Matter (%)	A-T-044	N	N	81.3				

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Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

Envirolab Job Number:	20/06845		
Issue Number:	1	Date:	27-Aug-20

Client: ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager:	Liam Daley
Project Name:	Plots O+N
Project Ref:	4134
Order No:	1573
Date Samples Received:	17-Aug-20
Date Instructions Received:	18-Aug-20
Date Analysis Completed:	27-Aug-20

Notes - Soil analysis

All results are reported as dry weight (<40°C).

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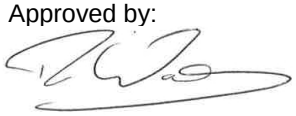
Please contact us if you need any further information.

Prepared by:



Melanie Marshall
Laboratory Coordinator

Approved by:



Richard Wong
Client Manager

envirolab

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Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06845/6				
Client Sample Number								
Client Sample ID				TT05				
Depth to Top				2.5				
Depth to Bottom								
Date Sampled				13/08/2020				
Sample Type				Soil - ES				
Sample Matrix Code				6AE				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**7.71**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**1.42**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.16**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**6**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**3.58**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**7.46**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**30**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1**	**10:1**	**Limit values for compliance leaching test using**		
				mg/l	**mg/kg**	**BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.003	**0.030**	0.5	2	25
Barium	A-T-025	N	N	0.041	**0.410**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	0.004	**0.040**	0.5	10	70
Copper	A-T-025	N	N	0.004	**0.040**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.006	**0.060**	0.5	10	30
Nickel	A-T-025	N	N	0.001	**0.010**	0.4	10	40
Lead	A-T-025	N	N	0.007	**0.070**	0.5	10	50
Antimony	A-T-025	N	N	0.002	**0.020**	0.06	0.7	5
Selenium	A-T-025	N	N	0.001	**0.010**	0.1	0.5	7
Zinc	A-T-025	N	N	0.011	**0.110**	4	50	200
Chloride	A-T-026	N	N	<1.00	**<10**	800	15000	25000
Fluoride	A-T-026	N	N	0.2	**2.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	970	**9700**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	721	**7210**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<0.2	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	8.0				
Conductivity (µS/cm)	A-T-037	N	N	1441				
Mass Sample (kg)				0.206				
Dry Matter (%)	A-T-044	N	N	85.1				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

envirolab
Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

Envirolab Job Number:	20/06682
Issue Number:	1
Date:	2-Sep-20

Client:
ROCP LIMITED
Commercial Wharf 6 Commercial Street
Castlefield
Manchester
M15 4PZ

Project Manager:	Liam Daley
Project Name:	Plots O + N
Project Ref:	4134
Order No:	1573
Date Samples Received:	12-Aug-20
Date Instructions Received:	13-Aug-20
Date Analysis Completed:	24-Aug-20

Notes - Soil analysis

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

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Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

For complex, multi-compound analysis, quality control results do not always fall within chart limits for every compound and we have criteria for reporting in these situations.

If results are in italic font they are associated with such quality control failures and may be unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample

Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

Prepared by:

Melanie Marshall
Laboratory Coordinator

Approved by:

Danielle Brierley
Client Manager

envirolab

Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06682/2				
Client Sample Number								
Client Sample ID				TP101				
Depth to Top				1.2				
Depth to Bottom								
Date Sampled				11/08/2020				
Sample Type				Soil - ES				
Sample Matrix Code				6ABE				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**8.14**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.7**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.06**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**8.4**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**3.61**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**8.23**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**210**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1**	**10:1**	**Limit values for compliance leaching test using**		
				mg/l	**mg/kg**	**BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.004	**0.040**	0.5	2	25
Barium	A-T-025	N	N	0.031	**0.310**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	0.002	**0.020**	0.5	10	70
Copper	A-T-025	N	N	0.005	**0.050**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.006	**0.060**	0.5	10	30
Nickel	A-T-025	N	N	0.001	**0.010**	0.4	10	40
Lead	A-T-025	N	N	<0.001	**<0.01**	0.5	10	50
Antimony	A-T-025	N	N	0.005	**0.050**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.011	**0.110**	4	50	200
Chloride	A-T-026	N	N	2	**17**	800	15000	25000
Fluoride	A-T-026	N	N	0.4	**4.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	1180	**11800**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	1005	**10050**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<0.2	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	7.7				
Conductivity (µS/cm)	A-T-037	N	N	2010				
Mass Sample (kg)				0.199				
Dry Matter (%)	A-T-044	N	N	87.9				

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Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06682/4				
Client Sample Number						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID				TP102				
Depth to Top				0.8				
Depth to Bottom								
Date Sampled				11/08/2020				
Sample Type				Soil - ES				
Sample Matrix Code				6ABE				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**8.12**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.55**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.05**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**4.8**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**2.81**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**8.03**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**490**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1**	**10:1**	**Limit values for compliance leaching test using**		
				mg/l	**mg/kg**	**BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.003	**0.030**	0.5	2	25
Barium	A-T-025	N	N	0.045	**0.450**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	0.016	**0.160**	0.5	10	70
Copper	A-T-025	N	N	0.008	**0.080**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.029	**0.290**	0.5	10	30
Nickel	A-T-025	N	N	0.001	**0.010**	0.4	10	40
Lead	A-T-025	N	N	0.002	**0.020**	0.5	10	50
Antimony	A-T-025	N	N	0.003	**0.030**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.012	**0.120**	4	50	200
Chloride	A-T-026	N	N	16	**156**	800	15000	25000
Fluoride	A-T-026	N	N	0.3	**3.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	544	**5444**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	592	**5920**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<0.2	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	7.7				
Conductivity (µS/cm)	A-T-037	N	N	1183				
Mass Sample (kg)				0.221				
Dry Matter (%)	A-T-044	N	N	79				

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Landfill WAC analysis must not be used for hazardous waste classification purposes. This analysis is only applicable for landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Sample Details						Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	20/06682/8				
Client Sample Number						Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID				TT01				
Depth to Top				1.2				
Depth to Bottom								
Date Sampled				11/08/2020				
Sample Type				Soil - ES				
Sample Matrix Code				6ABE				
Solid Waste Analysis								
pH (pH Units)$_D$	A-T-031	N	N	**10.19**		-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.6**		-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.16**		-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	N	N	**3.3**		-	-	10
Total Organic Carbon (%)$_D$	A-T-032	N	N	**1.09**		3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**6.24**		100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**58**		500	-	-
Sum of 7 PCBs (mg/kg)$_A$	A-T-004	N	N	**<0.007**		1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**		6	-	-
Eluate Analysis				**10:1**	**10:1**	**Limit values for compliance leaching test using**		
				mg/l	**mg/kg**	**BS EN 12457-2 at L/S 10 l/kg (mg/kg)**		
Arsenic	A-T-025	N	N	0.008	**0.080**	0.5	2	25
Barium	A-T-025	N	N	0.043	**0.430**	20	100	300
Cadmium	A-T-025	N	N	<0.001	**<0.01**	0.04	1	5
Chromium	A-T-025	N	N	0.006	**0.060**	0.5	10	70
Copper	A-T-025	N	N	0.011	**0.110**	2	50	100
Mercury	A-T-025	N	N	<0.0005	**<0.005**	0.01	0.2	2
Molybdenum	A-T-025	N	N	0.003	**0.030**	0.5	10	30
Nickel	A-T-025	N	N	0.001	**0.010**	0.4	10	40
Lead	A-T-025	N	N	0.002	**0.020**	0.5	10	50
Antimony	A-T-025	N	N	0.002	**0.020**	0.06	0.7	5
Selenium	A-T-025	N	N	<0.001	**<0.01**	0.1	0.5	7
Zinc	A-T-025	N	N	0.004	**0.040**	4	50	200
Chloride	A-T-026	N	N	3	**35**	800	15000	25000
Fluoride	A-T-026	N	N	0.3	**3.0**	10	150	500
Sulphate as SO_4	A-T-026	N	N	13	**130**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	164	**1640**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<0.2	**<200**	500	800	1000
Leach Test Information								
pH (pH Units)	A-T-031	N	N	11.4				
Conductivity (µS/cm)	A-T-037	N	N	328				
Mass Sample (kg)				0.225				
Dry Matter (%)	A-T-044	N	N	77.7				

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

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Analytical Report Number : 21-57218

Project / Site name:	Mayfield Depot	**Samples received on:**	16/02/2021
Your job number:	14-575	**Samples instructed on/ Analysis started on:**	16/02/2021
Your order number:	14-575-NG-A	**Analysis completed by:**	19/02/2021
Report Issue Number:	1	**Report issued on:**	19/02/2021
Samples Analysed:	11 leachate samples		

Signed:

Karolina Marek
PL Head of Reporting Team
For & on behalf of i2 Analytical Ltd.

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

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

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

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

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

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The results included within the report are representative of the samples submitted for analysis.

Analytical Report Number: 21-57218
Project / Site name: Mayfield Depot

Your Order No: 14-575-NG-A

Lab Sample Number				1772528	1772529	1772530	1772531	1772532
Sample Reference				TP101	TP102	TP103	TP104	TP105
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				2.20	1.20	2.50	1.20	0.60
Date Sampled				15/02/2021	15/02/2021	15/02/2021	15/02/2021	15/02/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Speciated PAHs								
Benzo(b)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
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	1	ISO 17025	16	2.1	11	7.9	28
Chromium (dissolved)	µg/l	0.4	ISO 17025	1.3	26	3.5	1.1	2.8
Lead (dissolved)	µg/l	1	ISO 17025	2.6	3.6	5.6	3.6	6.8

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: 21-57218
Project / Site name: Mayfield Depot

Your Order No: 14-575-NG-A

Lab Sample Number				1772533	1772534	1772535	1772536	1772537
Sample Reference				TP106	TP107	TP108	TP109	TP110
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.50	0.80	0.60	2.00	1.20
Date Sampled				15/02/2021	15/02/2021	15/02/2021	15/02/2021	15/02/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Speciated PAHs								
Benzo(b)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
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	1	ISO 17025	20	36	8.2	9.6	6.1
Chromium (dissolved)	µg/l	0.4	ISO 17025	19	2.7	8.2	2.3	0.7
Lead (dissolved)	µg/l	1	ISO 17025	14	1.6	16	23	11

U/S = Unsuitable Sample I/S = Insufficient Sample

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Analytical Report Number: 21-57218
Project / Site name: Mayfield Depot

Your Order No: 14-575-NG-A

Lab Sample Number				1772538
Sample Reference				TP111
Sample Number				None Supplied
Depth (m)				1.35
Date Sampled				15/02/2021
Time Taken				None Supplied
Analytical Parameter (Leachate Analysis)	**Units**	**Limit of detection**	**Accreditation Status**	
Speciated PAHs				
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01
Heavy Metals / Metalloids				
Arsenic (dissolved)	µg/l	1	ISO 17025	2.7
Chromium (dissolved)	µg/l	0.4	ISO 17025	1.2
Lead (dissolved)	µg/l	1	ISO 17025	6.2

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Analytical Report Number : 21-57218
Project / Site name: Mayfield Depot

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
BS EN 12457-1 (2:1) Leachate Prep	2:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-1.	L043-PL	W	NONE
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Speciated EPA-16 PAHs in leachate	Determination of PAH compounds in leachate by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L102B-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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Analytical Report Number : 21-58285

Replaces Analytical Report Number : 21-58285, issue no. 1

Client sampling date amended.

Project / Site name:	Mayfield Depot	**Samples received on:**	22/02/2021
Your job number:	14-575	**Sample instructed/ Analysis started on:**	22/02/2021
Your order number:	14-575-DH-D	**Analysis completed by:**	25/02/2021
Report Issue Number:	2	**Report issued on:**	25/02/2021
Samples Analysed:	6 leachate samples		

Signed:

Joanna Wawrzeczko
Technical Reviewer (Reporting Team)

For & on behalf of i2 Analytical Ltd.

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

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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 relate only to the sample(s) submitted for testing.

Analytical Report Number: 21-58285

Project / Site name: Mayfield Depot

Your Order No: 14-575-DH-D

Lab Sample Number				1778600	1778601	1778602	1778603	1778604
Sample Reference				MG001	MG002	MG003	MG004	MG005
Sample Number				Lawn Batter	Lawn Batter	Lawn Batter	Lawn Batter	Lawn Batter
Depth (m)				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date Sampled				21/02/2021	21/02/2021	21/02/2021	21/02/2021	21/02/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Leachate Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Speciated PAHs								
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
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	1	ISO 17025	4.4	2.9	6.6	11	16
Chromium (dissolved)	µg/l	0.4	ISO 17025	2.7	3.2	9.0	2.6	4.4
Lead (dissolved)	µg/l	1	ISO 17025	8.1	42	3.4	17	30

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number: 21-58285

Project / Site name: Mayfield Depot

Your Order No: 14-575-DH-D

Lab Sample Number				1778605				
Sample Reference				MG006				
Sample Number				Lawn Batter				
Depth (m)				None Supplied				
Date Sampled				21/02/2021				
Time Taken				None Supplied				
Analytical Parameter (Leachate Analysis)	**Units**	**Limit of detection**	**Accreditation Status**					
Speciated PAHs								
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				
Heavy Metals / Metalloids								
Arsenic (dissolved)	µg/l	1	ISO 17025	13				
Chromium (dissolved)	µg/l	0.4	ISO 17025	1.4				
Lead (dissolved)	µg/l	1	ISO 17025	13				

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The results included within the report relate only to the sample(s) submitted for testing.

Analytical Report Number : 21-58285

Project / Site name: Mayfield Depot

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
BS EN 12457-1 (2:1) Leachate Prep	2:1 (as recieved, moisture adjusted) end over end extraction with water for 24 hours. Eluate filtered prior to analysis.	In-house method based on BSEN12457-1.	L043-PL	W	NONE
Metals by ICP-OES in leachate	Determination of metals in leachate by acidification followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Speciated EPA-16 PAHs in leachate	Determination of PAH compounds in leachate by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L102B-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 relate only to the sample(s) submitted for testing.

APPENDIX D – GEOTECHNICAL TESTING RESULTS

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RoC Consulting
Commercial Wharf
6 Commercial Street
Manchester
M15 4PZ

10 November 2020
Report No : GEO/31876/01

For the attention of Mr L Daley

Dear Sirs

Date samples received	22/09/2020
Date written instructions received	02/10/2020
Date testing commenced	03/10/2020
Date of sample disposal	**08/12/2020**

Our ref **GEO / 31876**
Your Ref **4153**

Project **MAYFIELD**

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

LABORATORY TEST REPORT

Item No	Test Quantity	Description
1	~	Geotechnical Test Summary
~	11	Water Content
2	11	Liquid & Plastic Limits
3	28	Particle Size Distribution
4	13	Moisture Content / Dry Density Relationship
5	16	Moisture Contdition Vaue at Natural Moisture Content
6	1	Unconsolidated Undrained Triaxial Compression

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

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

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

Yours faithfully
on behalf of **GEOLABS Limited**

J A Reynolds
Laboratory Manager

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SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression				Chemical Tests			Other tests and comments
Location	Depth (m)	Sample Ref	Type	Description	WC %	LL %	PL %	PI %	<425 µm %	Bulk Mg/m³	Dry Mg/m³	Condition	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 g/L	W/S Mg mg/L	
BH301	0.80-1.20	B2	B	Brown clayey, sandy fine to coarse GRAVEL and four cobbles.															Particle Size Distribution
BH301	1.20-1.70	B4	B	Orangish brown slightly clayey sand fine to coarse GRAVEL.															Particle Size Distribution Moisture Condition Value
BH301	2.00-2.45	DS5	D	Brown clayey SAND with some fine to coarse gravel.	18.9		NP		82										
BH301	3.00-3.50	B9	B	Brown clayey SAND with much fine to coarse gravel.															Particle Size Distribution
BH302	0.35-1.00	B2	B	Dark grey mottled brown clayey SAND and fine to coarse GRAVEL.															Particle Size Distribution
BH302	1.20-1.70	B4	B	Dark grey clayey very sandy fine to coarse GRAVEL.															Particle Size Distribution Moisture Condition Value Compaction
BH302	3.00	D7	D	Brown mottled grey very sandy CLAY.	21.1	26	16	10	100										
BH302	3.00-3.50	U8	U	Brown and grey mottled very sandy CLAY.	20.0	27	15	12	100	2.00	1.66	Undisturbed	60	61	31				
BH302	4.00-4.50	B10	B	Brown slightly clayey very sandy fine to coarse GRAVEL.															Particle Size Distribution
BH303	0.60-0.85	B2	B	Light bown clayey, very sandy fine to coarse GRAVEL.															Particle Size Distribution Moisture Condition Value Compaction

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed) NP=Non Plastic

Checked and Approved by



J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

MAYFIELD
4153

GEOLABS

SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression				Chemical Tests			Other tests and comments
Location	Depth (m)	Sample Ref	Type	Description	WC %	LL %	PL %	PI %	<425 µm %	Bulk Mg/m³	Dry Mg/m³	Condition	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 g/L	W/S Mg mg/L	
BH303	1.20-1.40	B4	B	Reddish brown clayey SAND with much fine to medium gravel.															Particle Size Distribution
BH401	1.50-1.70	B3	B	Dark grey clayey SAND with much fine to coarse gravel.	17.2		NP		67										Particle Size Distribution Moisture Condition Value Compaction
BH401	2.00-2.50	B5	B	Dark brown clayey SAND with much fine to coarse gravel.															Particle Size Distribution
BH401	4.00-4.50	B9	B	Reddish brown clayey sandy fine to coarse GRAVEL.															Particle Size Distribution
BH402	0.60-1.00	B2	B	Reddish brown clayey SAND with much fine to coarse gravel.	20.8		NP		50										
BH402	1.20-1.70	B4	B	Reddish brown clayey SAND and fine to coarse GRAVEL.															Particle Size Distribution Moisture Condition Value Compaction
BH402	3.00-3.50	B8	B	Reddish brown clayey SAND with much fine to coarse gravel.															Particle Size Distribution
BH403	0.45-1.00	B2	B	Brown very sandy CLAY with some fine to coarse gravel.	21.9	32	15	17	98										
BH403	1.20-1.70	B4	B	Brown very clayey SAND with some fine to coarse gravel.															Particle Size Distribution Moisture Condition Value Compaction
BH403	2.00-2.50	B6	B	Brown very clayey SAND with some fine to coarse gravel.															Particle Size Distribution

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed) NP=Non Plastic

Checked and Approved by



J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

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Project Name:

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4153

GEOLABS

SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression				Chemical Tests			Other tests and comments
Location	Depth (m)	Sample Ref	Type	Description	WC %	LL %	PL %	PI %	<425 µm %	Bulk Mg/m³	Dry Mg/m³	Condition	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 g/L	W/S Mg mg/L	
TP301	1.00		D	Brown mottled yellowish brown very sandy CLAY with some fine to medium gravel.	20.9	31	17	14	98										
TP302	1.00		D	Brown very sandy CLAY with some fine to medium gravel.	19.7	34	16	18	96										
TP302	2.00		B	Brown very clayey SAND with rare fine to medium gravel.															Particle Size Distribution Moisture Condition Value Compaction
TP303	1.60		B	Dark brown SAND and CLAY with much fine to coarse gravel.															Particle Size Distribution Moisture Condition Value Compaction
TP304	1.50		D	Brown and orangish brown mottled very sandy CLAY with some fine to medium gravel.	14.0	26	15	11	98										
TP304	1.70		B	Brown slightly clayey sandy fine-coarse GRAVEL.															Particle Size Distribution Moisture Condition Value
TP305	0.40		B	Dark brown clayey sandy fine to coarse GRAVEL and four cobbles.															Particle Size Distribution
TP305	2.00		D	Brown very sandy CLAY with rare fine to medium gravel.	17.9	28	14	14	99										
TP308	1.70		B	Dark brown clayey SAND and fine to coarse GRAVEL with a single cobble.															Particle Size Distribution Moisture Condition Value Compaction
TP309	1.50		B	Brown very clayey SAND.															Particle Size Distribution Moisture Condition Value Compaction

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed) NP=Non Plastic

Checked and Approved by



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10/11/2020

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GEOLABS

SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression				Chemical Tests			Other tests and comments
Location	Depth (m)	Sample Ref	Type	Description	WC %	LL %	PL %	PI %	<425 µm %	Bulk Mg/m³	Dry Mg/m³	Condition	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 g/L	W/S Mg mg/L	
TP402	1.00-1.50		B	Dark brown clayey SAND with much fine to coarse gravel.															Particle Size Distribution Moisture Condition Value Compaction
TP404	1.00-1.50		B	Dark brown clayey, silty SAND with some fine to medium gravel.															Particle Size Distribution Moisture Condition Value Compaction
TP405	2.00-2.50		B	Dark brown clayey, silty, very sandy fine to coarse GRAVEL.															Particle Size Distribution Moisture Condition Value Compaction
TP406	0.50-1.00		B	Brown slightly clayey sandy fine-coarse GRAVEL.															Particle Size Distribution Moisture Condition Value
TP407	1.00		B	Dark brown clayey, sandy fine to coarse GRAVEL and five cobbles.															Particle Size Distribution
TP408	0.40		B	Brown clayey, very sandy fine to coarse GRAVEL with two cobbles	7.5		NP		35										
TP408	0.80		D	Dark brown sandy CLAY with rare fine to medium gravel.															Particle Size Distribution
TP409	1.10-1.20		B	Orangish brown very clayey SAND with some fine to coarse gravel and one cobble.															Particle Size Distribution Moisture Condition Value Compaction

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

NP=Non Plastic

Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

MAYFIELD
4153

GEOLABS

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

LIQUID AND PLASTIC LIMITS

Location	BH301
Sample Ref	DS5
Depth (m)	2.00
Sample Type	D

Description:

Brown clayey SAND with some fine to coarse gravel.

Preparation : Particles >425µm removed by wet sieving and air drying.

Water Content : (BS EN ISO 17892-1:2014)	18.9 %
Measured percentage passing 425µm sieve :	82 %
Liquid Limit - Fall Cone Method (cone angle 30°) :	Not Determined
Plastic Limit :	Non-Plastic

Equivalent Water Content of material passing 425µm sieve : 23 %

Sample was determined to be Non-Plastic after preparation

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10/11/2020

Project Number:

GEO / 31876

Project Name:

MAYFIELD
4153

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

LIQUID AND PLASTIC LIMITS

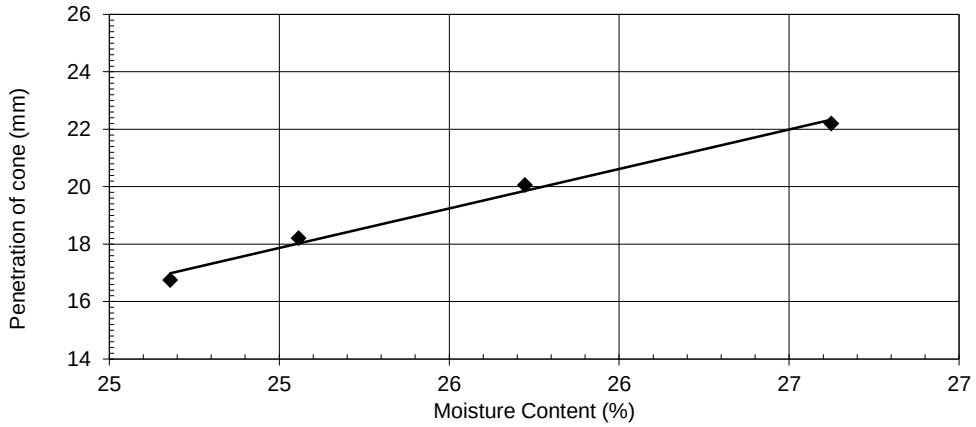
Location	BH302
Sample Ref	D7
Depth (m)	3.00
Sample Type	D

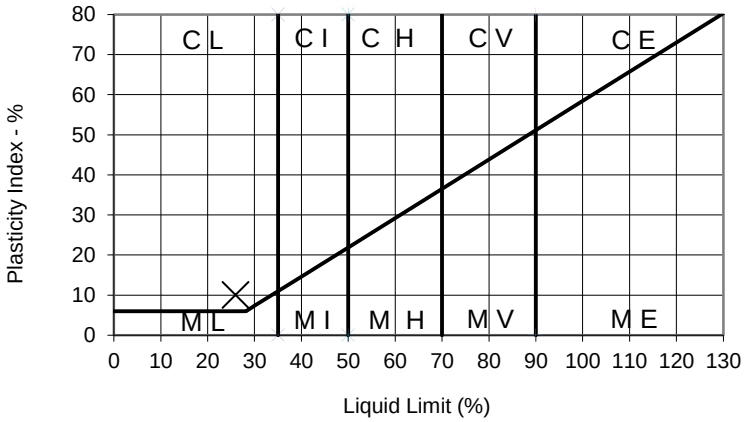
Description:

Brown mottled grey very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	21.1	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	26	%
Plastic Limit :	16	%
Plasticity Index :	10	%
Equivalent Water Content of material passing 425µm sieve :	21.1	%
Liquidity Index :	0.51	





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Project Number:

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

LIQUID AND PLASTIC LIMITS

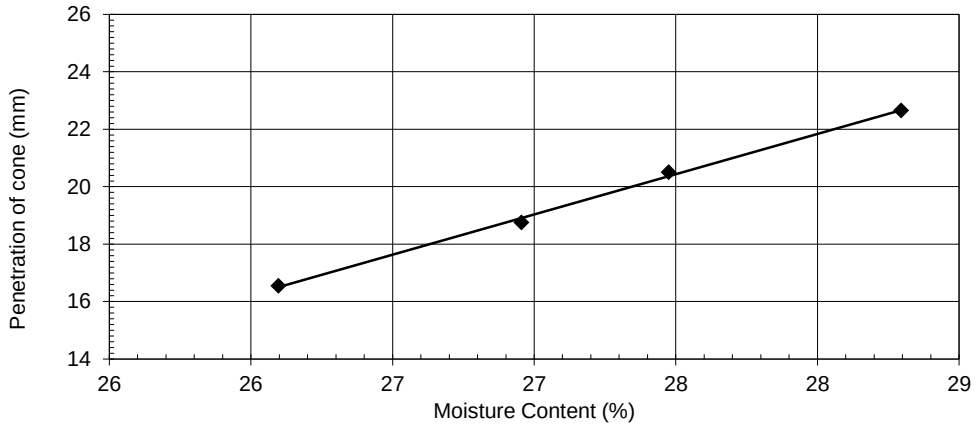
Location	BH302
Sample Ref	U8
Depth (m)	3.00
Sample Type	U

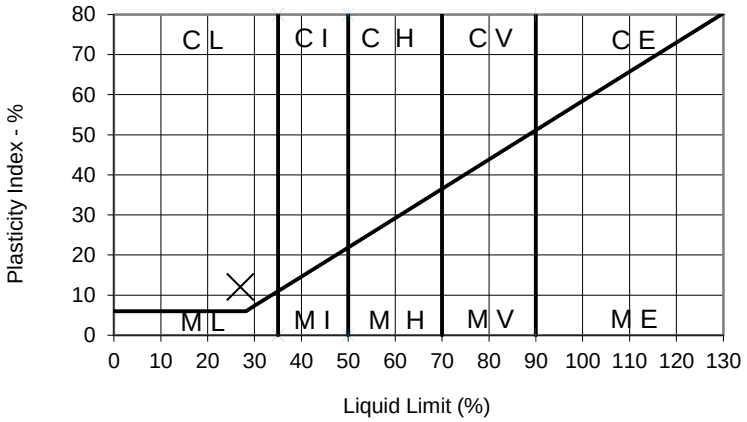
Description:

Brown and grey mottled very sandy CLAY.

Preparation : Sample as received.

Water Content : (BS EN ISO 17892-1:2014)	20.0	%
Estimated percentage passing 425µm sieve :	100	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	27	%
Plastic Limit :	15	%
Plasticity Index :	12	%
Equivalent Water Content of material passing 425µm sieve :	20.0	%
Liquidity Index :	0.42	





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

LIQUID AND PLASTIC LIMITS

Location	BH401
Sample Ref	B3
Depth (m)	1.50
Sample Type	B

Description:

Dark grey clayey SAND with much fine to coarse gravel.

Preparation : Particles >425µm removed by wet sieving and air drying.

Water Content : (BS EN ISO 17892-1:2014)	17.2	%
Measured percentage passing 425µm sieve :	67	%
Liquid Limit - Fall Cone Method (cone angle 30°) :	Not Determined	
Plastic Limit :	Non-Plastic	

Equivalent Water Content of material passing 425µm sieve : 26 %

Sample was determined to be Non-Plastic after preparation

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10/11/2020

Project Number:

GEO / 31876

Project Name:

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

LIQUID AND PLASTIC LIMITS

Location	BH402
Sample Ref	B2
Depth (m)	0.60
Sample Type	B

Description:

Reddish brown clayey SAND with much fine to coarse gravel.

Preparation : Particles >425µm removed by wet sieving and air drying.

Water Content : (BS EN ISO 17892-1:2014)	20.8 %
Measured percentage passing 425µm sieve :	50 %
Liquid Limit - Fall Cone Method (cone angle 30°) :	Not Determined
Plastic Limit :	Non-Plastic

Equivalent Water Content of material passing 425µm sieve : 41 %

Sample was determined to be Non-Plastic after preparation

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J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

MAYFIELD
4153

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

LIQUID AND PLASTIC LIMITS

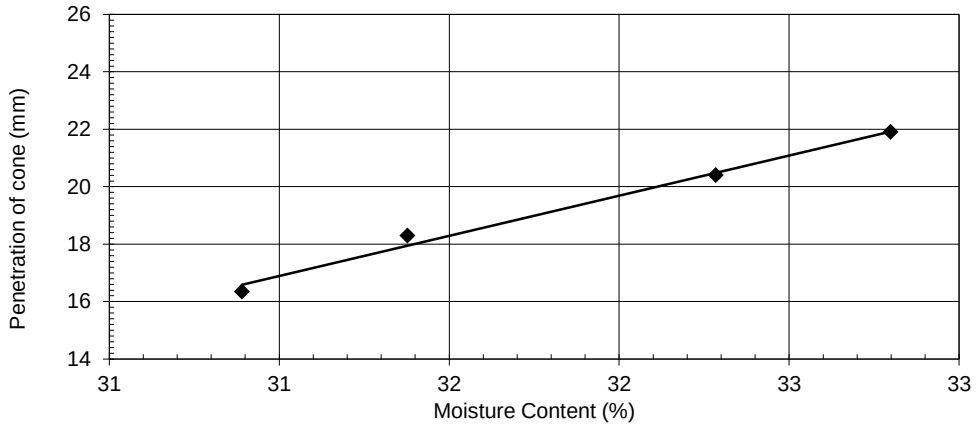
Location	BH403
Sample Ref	B2
Depth (m)	0.45
Sample Type	B

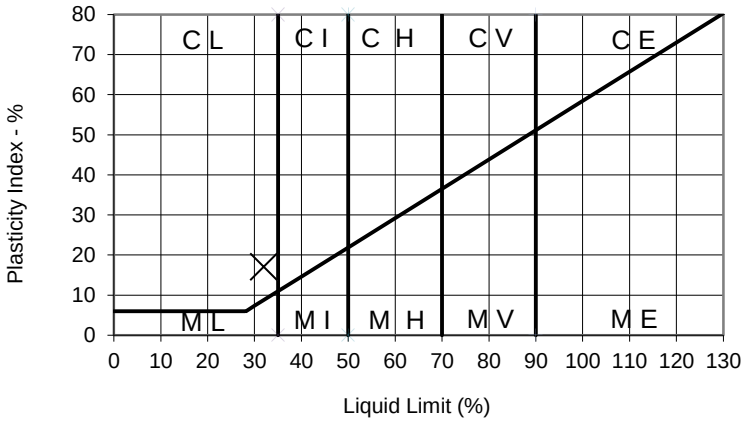
Description:

Brown very sandy CLAY with some fine to coarse gravel.

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

Water Content : (BS EN ISO 17892-1:2014)	21.9	%
Estimated percentage passing 425µm sieve :	98	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	32	%
Plastic Limit :	15	%
Plasticity Index :	17	%
Equivalent Water Content of material passing 425µm sieve :	22.4	%
Liquidity Index :	0.44	





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J A Reynolds - Laboratory Manager
10/11/2020

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LIQUID AND PLASTIC LIMITS

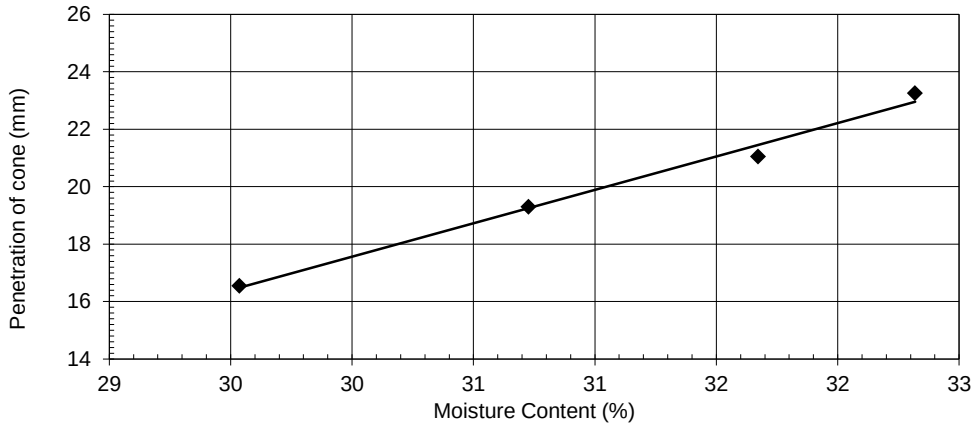
Location	TP301
Depth (m)	1.00
Sample Type	D

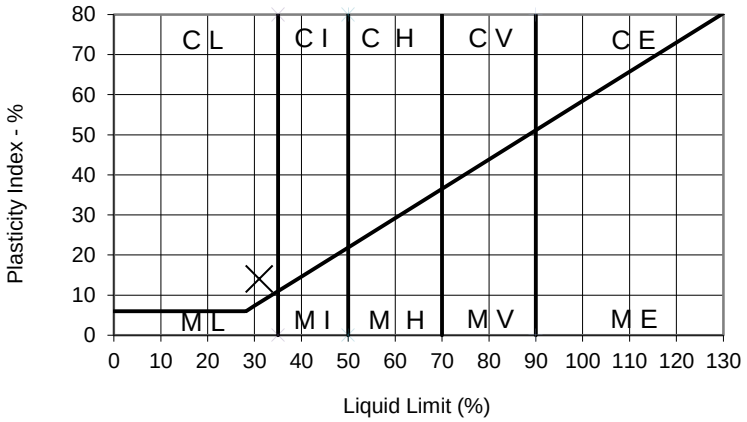
Description:

Brown mottled yellowish brown very sandy CLAY with some fine to medium gravel.

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

Water Content : (BS EN ISO 17892-1:2014)	20.9	%
Estimated percentage passing 425µm sieve :	98	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	31	%
Plastic Limit :	17	%
Plasticity Index :	14	%
Equivalent Water Content of material passing 425µm sieve :	21.4	%
Liquidity Index :	0.31	





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

LIQUID AND PLASTIC LIMITS

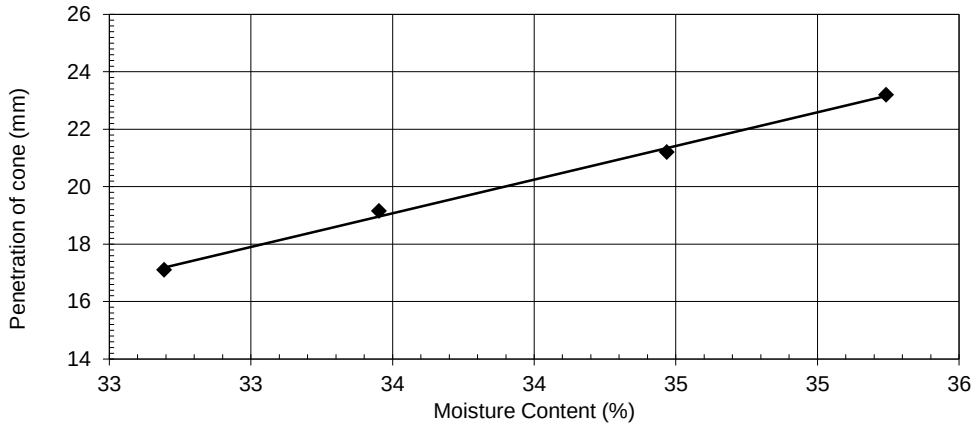
Location	TP302
Depth (m)	1.00
Sample Type	D

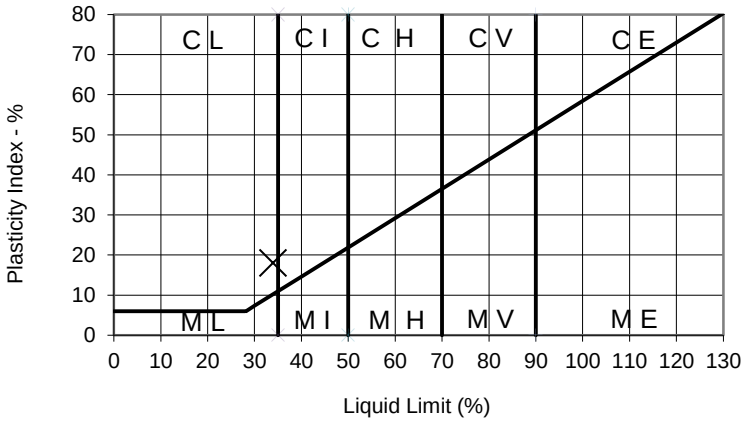
Description:

Brown very sandy CLAY with some fine to medium gravel.

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

Water Content : (BS EN ISO 17892-1:2014)	19.7	%
Estimated percentage passing 425µm sieve :	96	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	34	%
Plastic Limit :	16	%
Plasticity Index :	18	%
Equivalent Water Content of material passing 425µm sieve :	20.4	%
Liquidity Index :	0.24	





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

LIQUID AND PLASTIC LIMITS

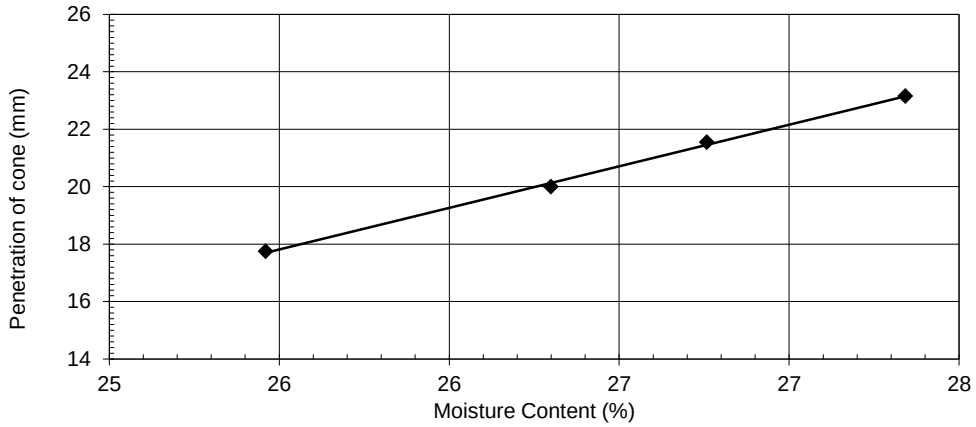
Location	TP304
Depth (m)	1.50
Sample Type	D

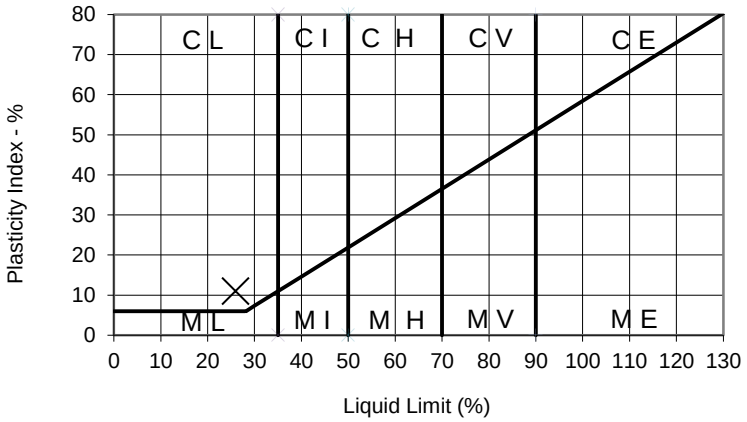
Description:

Brown and orangish brown mottled very sandy CLAY with some fine to medium gravel.

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

Water Content : (BS EN ISO 17892-1:2014)	14.0	%
Estimated percentage passing 425µm sieve :	98	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	26	%
Plastic Limit :	15	%
Plasticity Index :	11	%
Equivalent Water Content of material passing 425µm sieve :	14.3	%
Liquidity Index :	-0.06	





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

LIQUID AND PLASTIC LIMITS

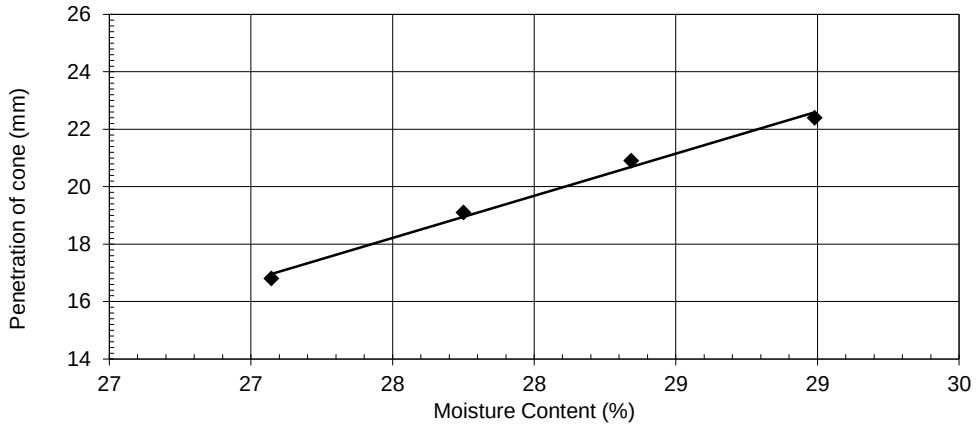
Location	TP305
Depth (m)	2.00
Sample Type	D

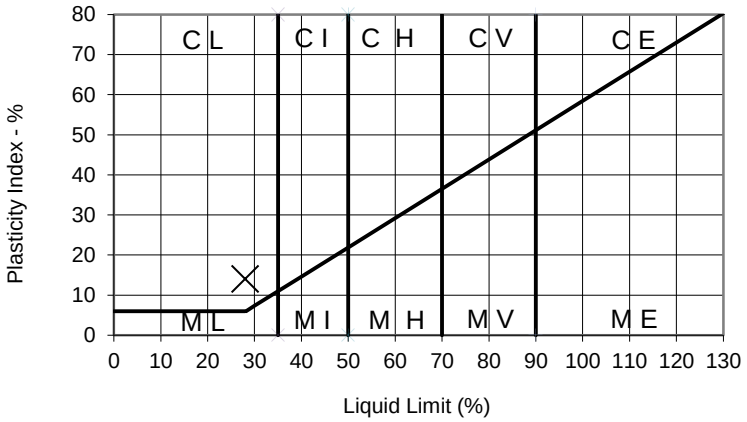
Description:

Brown very sandy CLAY with rare fine to medium gravel.

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

Water Content : (BS EN ISO 17892-1:2014)	17.9	%
Estimated percentage passing 425µm sieve :	99	%
Liquid Limit - Fall Cone 4 point Method (cone angle 30°) with increasing water content :	28	%
Plastic Limit :	14	%
Plasticity Index :	14	%
Equivalent Water Content of material passing 425µm sieve :	18.1	%
Liquidity Index :	0.29	





Processed by DF
Checked and Approved by

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

LIQUID AND PLASTIC LIMITS

Location	TP408
Depth (m)	0.40
Sample Type	B

Description:

Brown clayey, very sandy fine to coarse GRAVEL with two cobbles

Preparation : Particles >425µm removed by wet sieving and air drying.

Water Content : (BS EN ISO 17892-1:2014)	7.5 %
Measured percentage passing 425µm sieve :	35 %
Liquid Limit - Fall Cone Method (cone angle 30°) :	Not Determined
Plastic Limit :	Non-Plastic

Equivalent Water Content of material passing 425µm sieve : 21 %

Sample was determined to be Non-Plastic after preparation

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

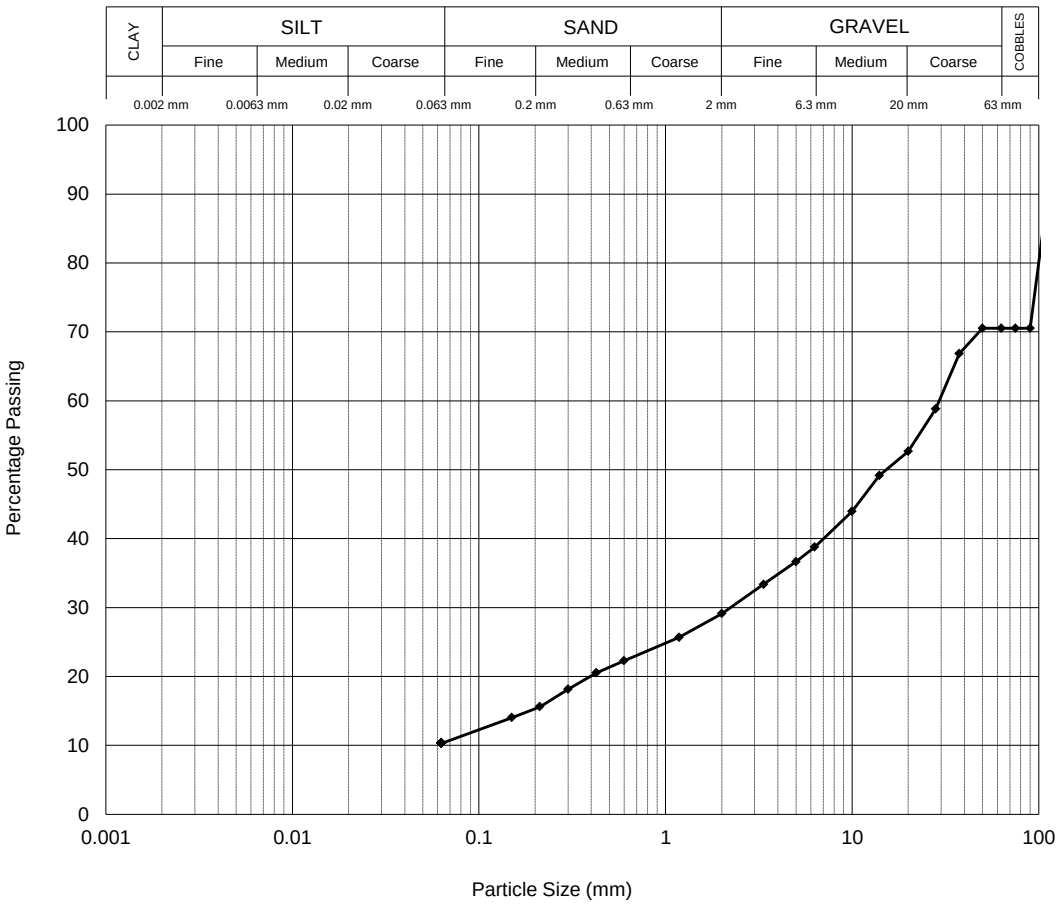
Location	BH301
Sample Ref	B2
Depth (m)	0.80-1.20
Sample Type	B

Description

Brown clayey, sandy fine to coarse GRAVEL and four cobbles.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	71
75.0 mm	71
63.0 mm	71
50.0 mm	71
37.5 mm	67
28.0 mm	59
20.0 mm	53
14.0 mm	49
10.0 mm	44
6.30 mm	39
5.00 mm	37
3.35 mm	33
2.00 mm	29
1.18 mm	26
600 µm	22
425 µm	21
300 µm	18
212 µm	16
150 µm	14
63 µm	10



Particle Proportions	
Cobbles	29.5
Gravel	41.4
Sand	18.8
Silt & Clay	10.3

Processed by PK
Checked and Approved by

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

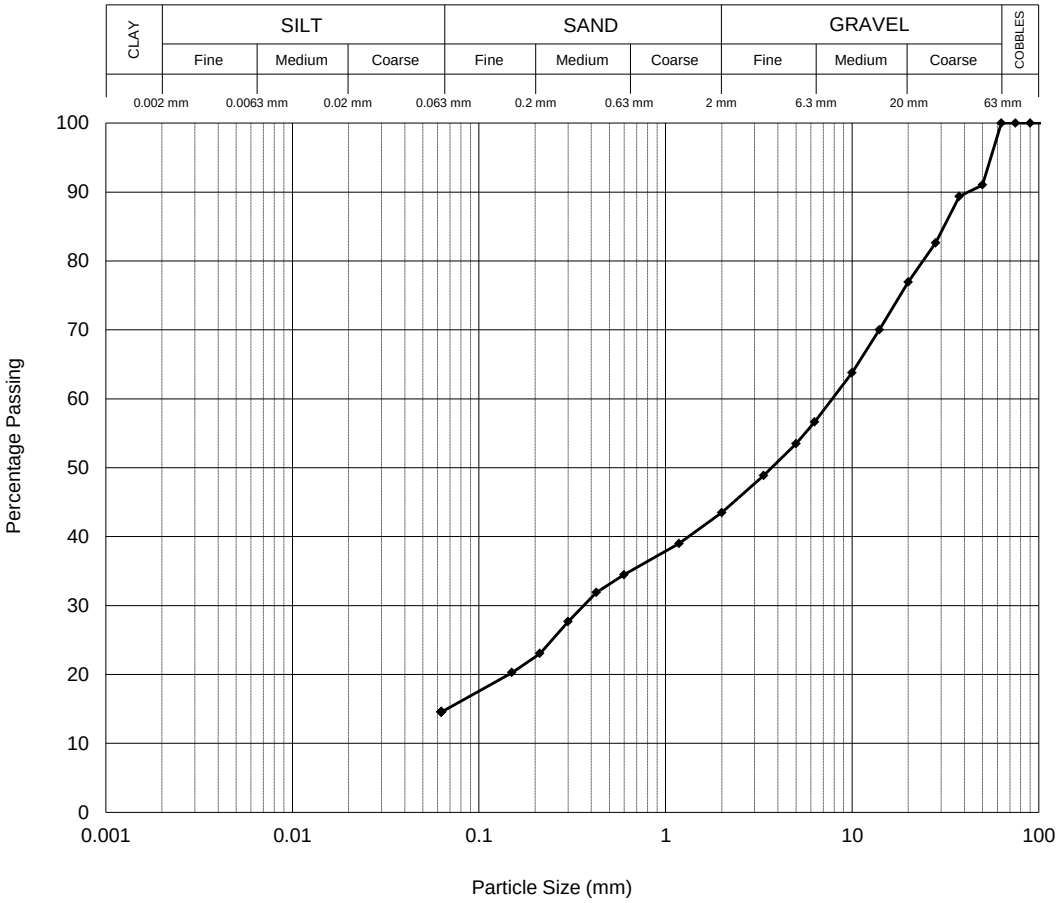
Location	BH301
Sample Ref	B4
Depth (m)	1.20-1.70
Sample Type	B

Description

Brown clayey, sandy fine to coarse GRAVEL.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	91
37.5 mm	89
28.0 mm	83
20.0 mm	77
14.0 mm	70
10.0 mm	64
6.30 mm	57
5.00 mm	53
3.35 mm	49
2.00 mm	43
1.18 mm	39
600 µm	34
425 µm	32
300 µm	28
212 µm	23
150 µm	20
63 µm	15



Particle Proportions	
Cobbles	0.0
Gravel	56.5
Sand	28.9
Silt & Clay	14.6

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

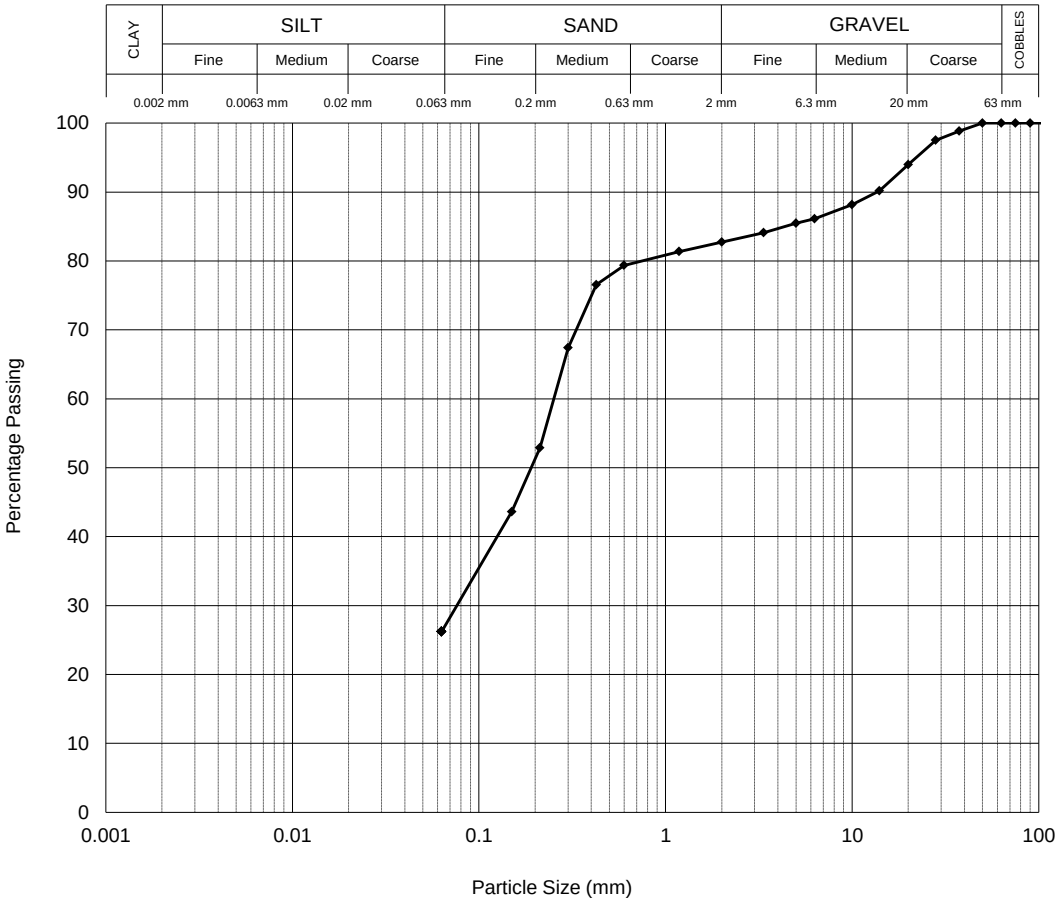
Location	BH301
Sample Ref	B9
Depth (m)	3.00-3.50
Sample Type	B

Description

Brown clayey SAND with much fine to coarse gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	99
28.0 mm	98
20.0 mm	94
14.0 mm	90
10.0 mm	88
6.30 mm	86
5.00 mm	85
3.35 mm	84
2.00 mm	83
1.18 mm	81
600 µm	79
425 µm	77
300 µm	67
212 µm	53
150 µm	44
63 µm	26



Particle Proportions	
Cobbles	0.0
Gravel	17.2
Sand	56.5
Silt & Clay	26.3

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Checked and Approved by

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

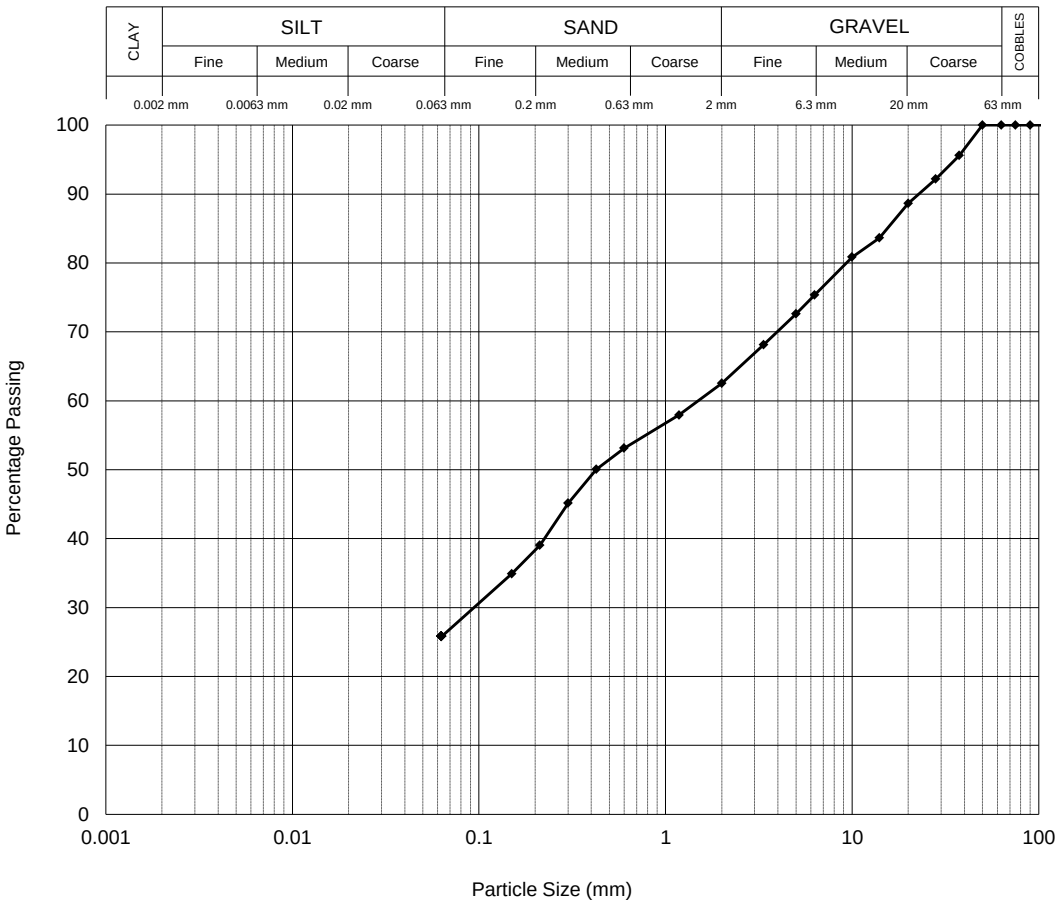
Location	BH302
Sample Ref	B2
Depth (m)	0.35-1.00
Sample Type	B

Description

Dark grey mottled brown clayey SAND and fine to coarse GRAVEL.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	96
28.0 mm	92
20.0 mm	89
14.0 mm	84
10.0 mm	81
6.30 mm	75
5.00 mm	73
3.35 mm	68
2.00 mm	63
1.18 mm	58
600 µm	53
425 µm	50
300 µm	45
212 µm	39
150 µm	35
63 µm	26



Particle Proportions	
Cobbles	0.0
Gravel	37.5
Sand	36.7
Silt & Clay	25.8

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PARTICLE SIZE DISTRIBUTION

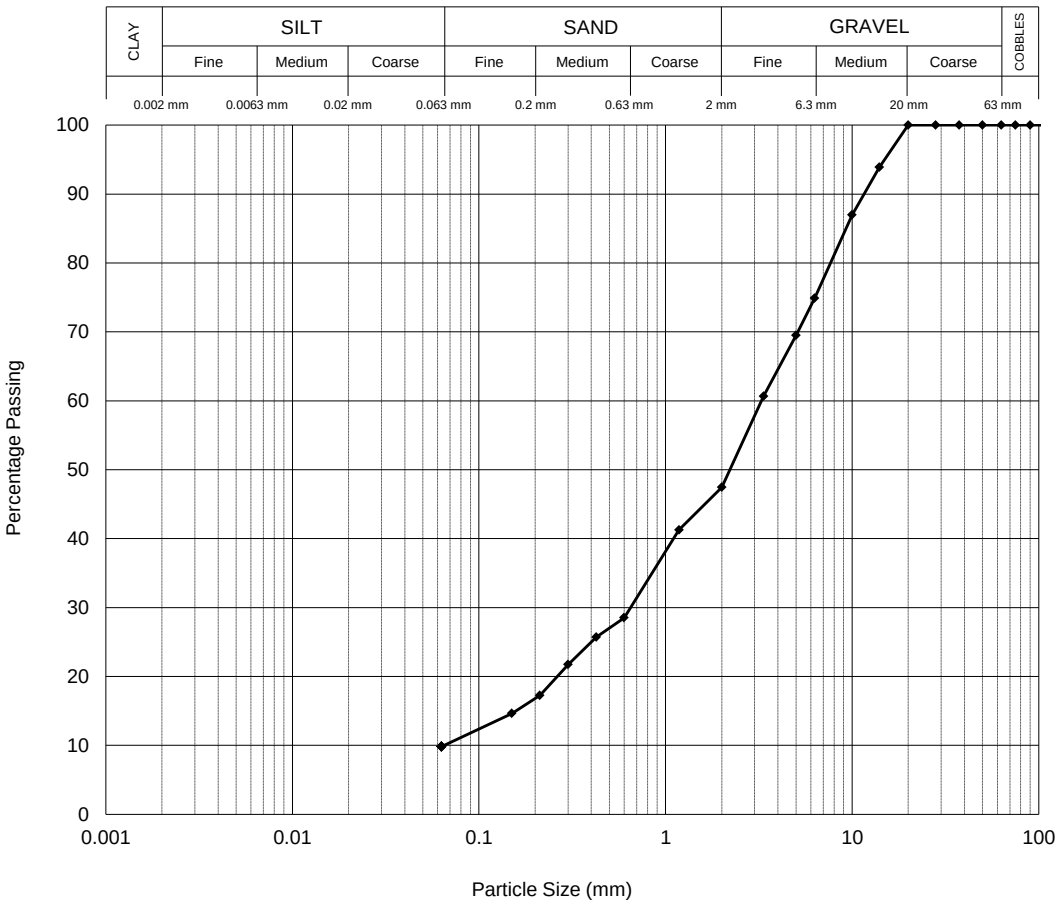
Location	BH302
Sample Ref	B4
Depth (m)	1.20-1.70
Sample Type	B

Description

Dark grey clayey very sandy fine to coarse GRAVEL.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	100
20.0 mm	100
14.0 mm	94
10.0 mm	87
6.30 mm	75
5.00 mm	70
3.35 mm	61
2.00 mm	47
1.18 mm	41
600 µm	29
425 µm	26
300 µm	22
212 µm	17
150 µm	15
63 µm	10



Particle Proportions	
Cobbles	0.0
Gravel	52.5
Sand	37.6
Silt & Clay	9.9

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

Location	BH302
Sample Ref	B10
Depth (m)	4.00-4.50
Sample Type	B

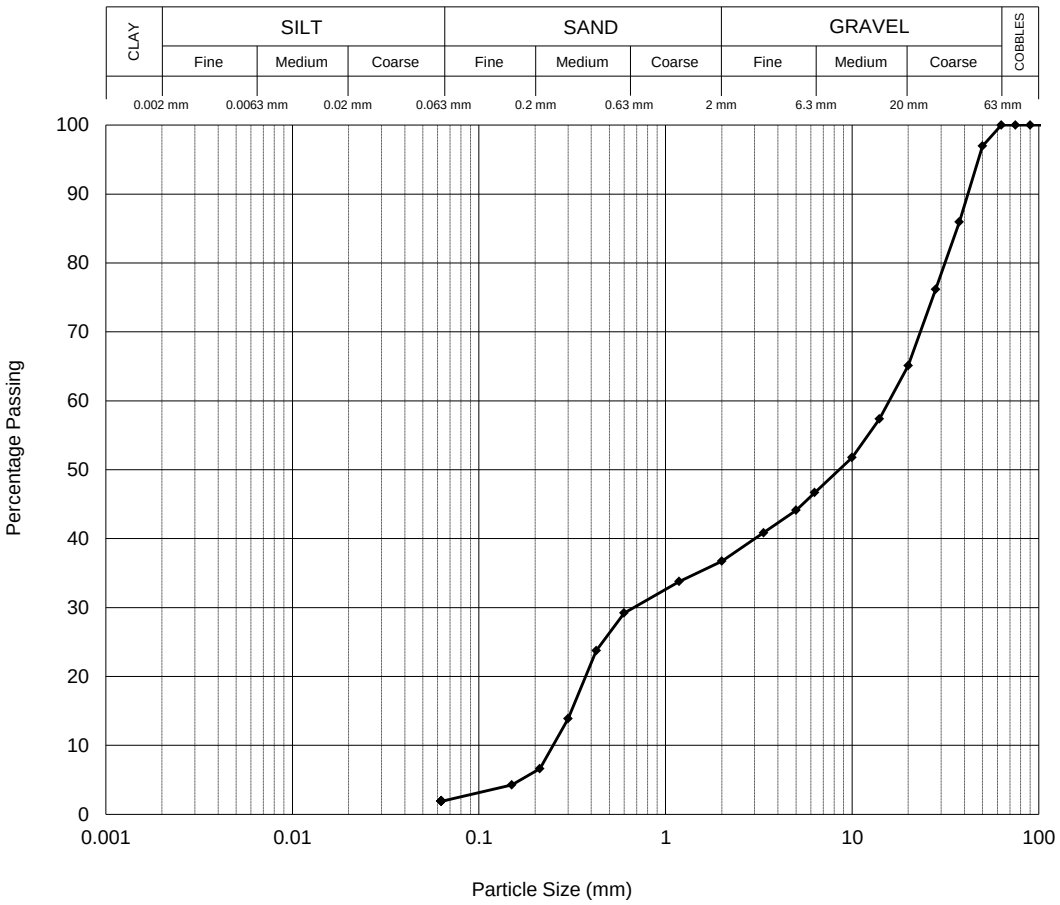
Description

Brown slightly clayey very sandy fine to coarse GRAVEL.

Remarks Insuffcient sample supplied to comply with BS EN ISO 17892-4 : 2016 minimum mass requirements

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	97
37.5 mm	86
28.0 mm	76
20.0 mm	65
14.0 mm	57
10.0 mm	52
6.30 mm	47
5.00 mm	44
3.35 mm	41
2.00 mm	37
1.18 mm	34
600 µm	29
425 µm	24
300 µm	14
212 µm	7
150 µm	4
63 µm	2



Particle Proportions	
Cobbles	0.0
Gravel	63.3
Sand	34.8
Silt & Clay	1.9

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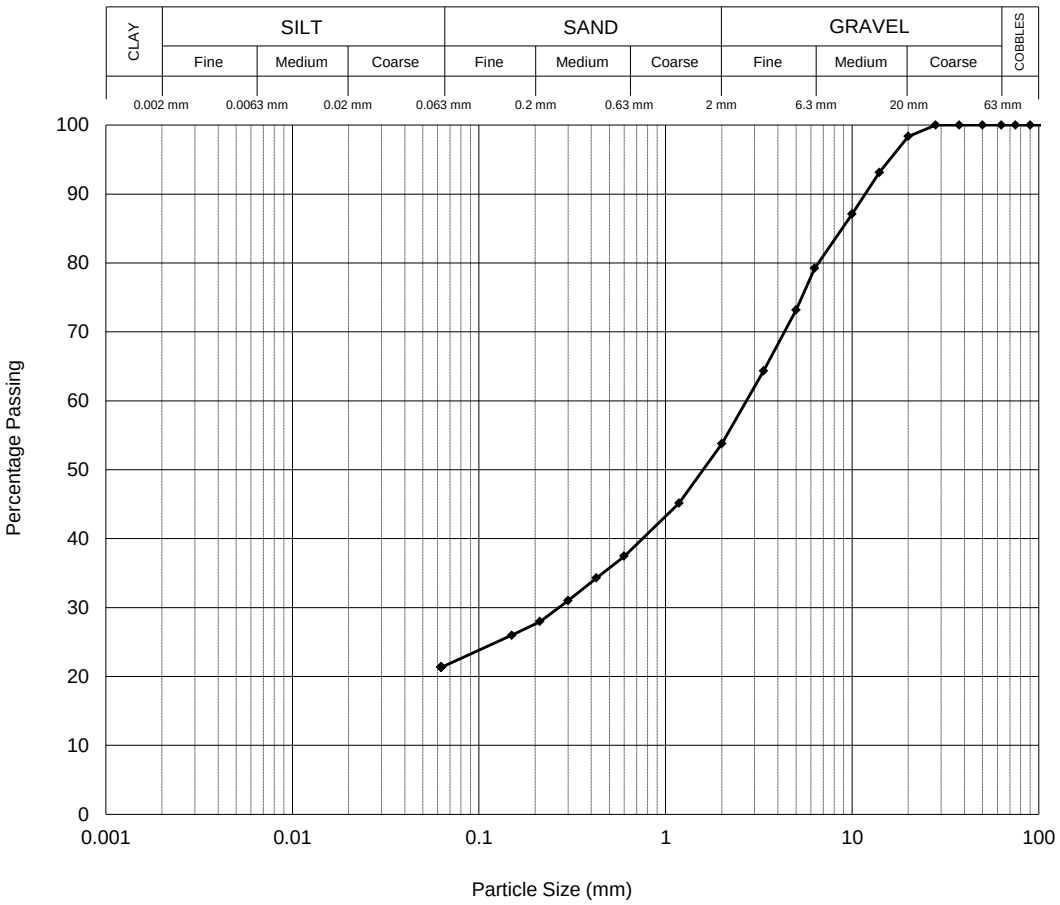
Location	BH303
Sample Ref	B2
Depth (m)	0.60-0.85
Sample Type	B

Description

Light bown clayey, very sandy fine to coarse GRAVEL.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	100
20.0 mm	98
14.0 mm	93
10.0 mm	87
6.30 mm	79
5.00 mm	73
3.35 mm	64
2.00 mm	54
1.18 mm	45
600 µm	37
425 µm	34
300 µm	31
212 µm	28
150 µm	26
63 µm	21



Particle Proportions	
Cobbles	0.0
Gravel	46.2
Sand	32.4
Silt & Clay	21.4

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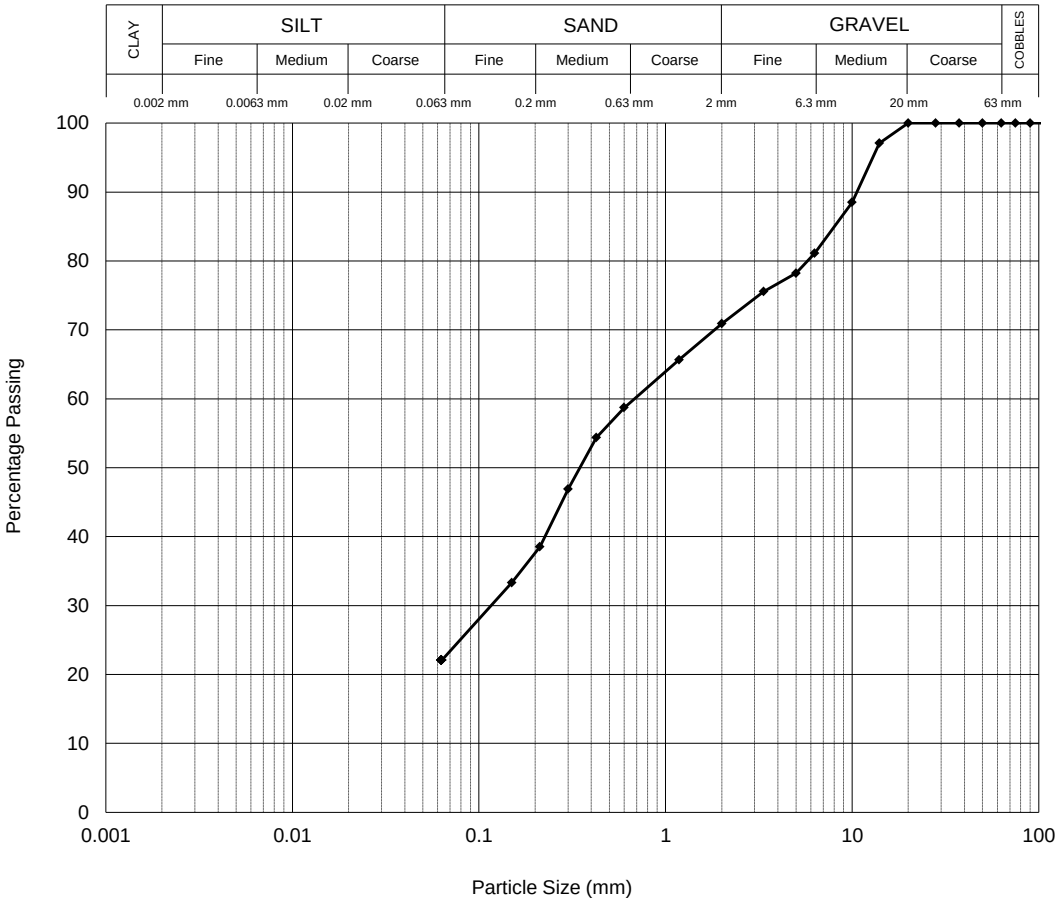
Location	BH303
Sample Ref	B4
Depth (m)	1.20-1.40
Sample Type	B

Description

Reddish brown clayey SAND with much fine to medium gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	100
20.0 mm	100
14.0 mm	97
10.0 mm	89
6.30 mm	81
5.00 mm	78
3.35 mm	76
2.00 mm	71
1.18 mm	66
600 µm	59
425 µm	54
300 µm	47
212 µm	39
150 µm	33
63 µm	22



Particle Proportions	
Cobbles	0.0
Gravel	29.1
Sand	48.8
Silt & Clay	22.1

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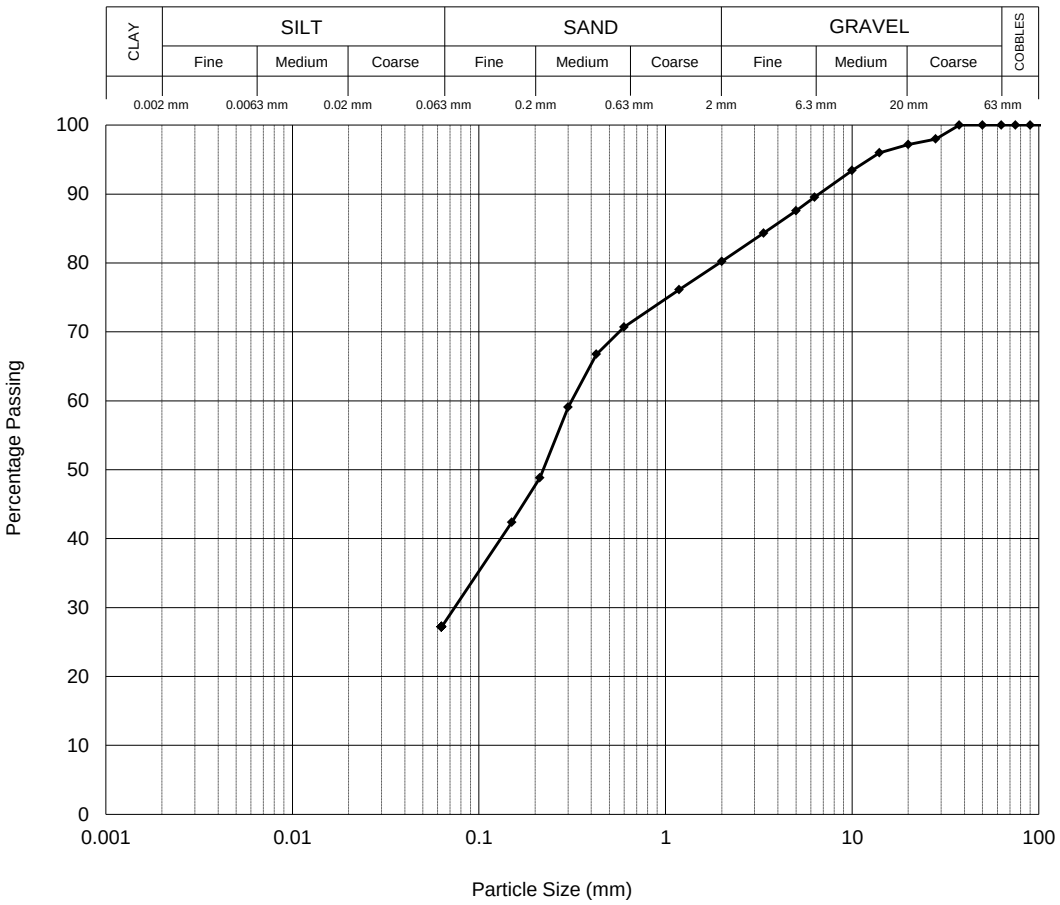
Location	BH401
Sample Ref	B3
Depth (m)	1.50-1.70
Sample Type	B

Description

Dark grey clayey SAND with much fine to coarse gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	98
20.0 mm	97
14.0 mm	96
10.0 mm	93
6.30 mm	90
5.00 mm	88
3.35 mm	84
2.00 mm	80
1.18 mm	76
600 µm	71
425 µm	67
300 µm	59
212 µm	49
150 µm	42
63 µm	27



Particle Proportions	
Cobbles	0.0
Gravel	19.8
Sand	53.0
Silt & Clay	27.2

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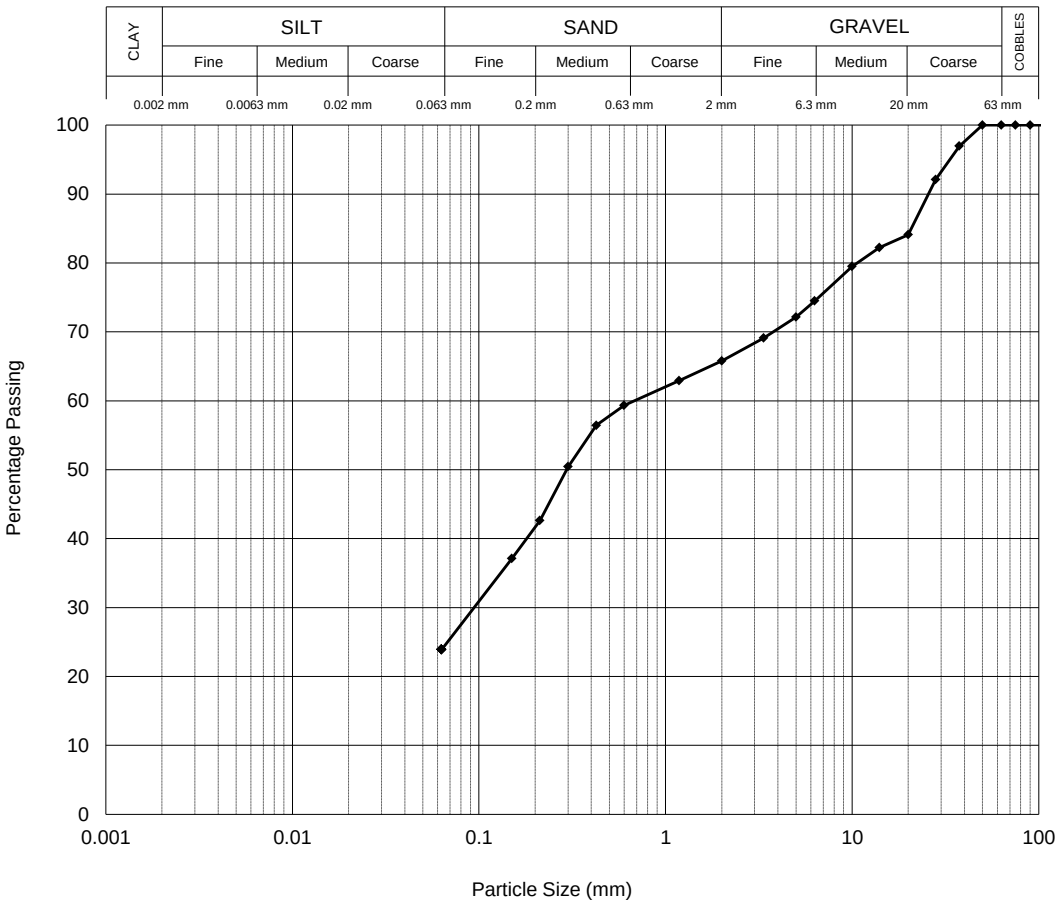
Location	BH401
Sample Ref	B5
Depth (m)	2.00-2.50
Sample Type	B

Description

Dark brown clayey SAND with much fine to coarse gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	97
28.0 mm	92
20.0 mm	84
14.0 mm	82
10.0 mm	79
6.30 mm	74
5.00 mm	72
3.35 mm	69
2.00 mm	66
1.18 mm	63
600 µm	59
425 µm	56
300 µm	50
212 µm	43
150 µm	37
63 µm	24



Particle Proportions	
Cobbles	0.0
Gravel	34.2
Sand	41.9
Silt & Clay	23.9

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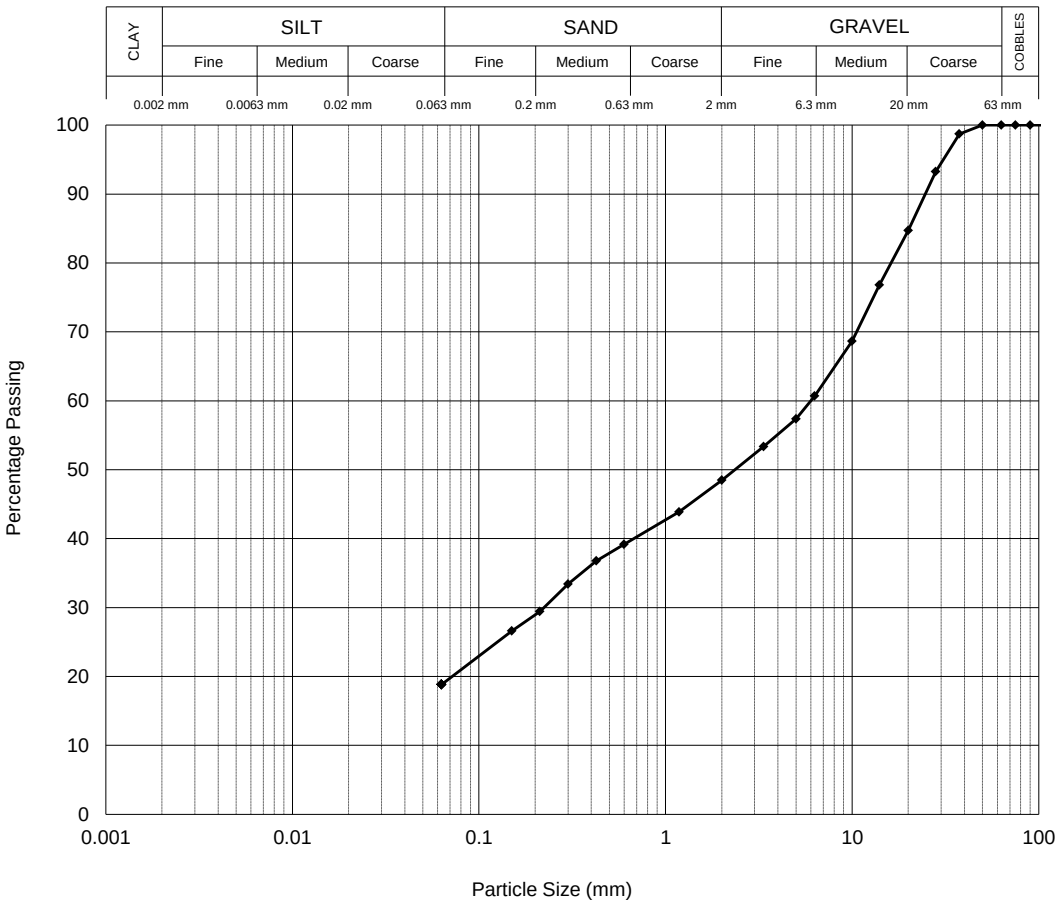
Location	BH401
Sample Ref	B9
Depth (m)	4.00-4.50
Sample Type	B

Description

Reddish brown clayey sandy fine to coarse GRAVEL.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	99
28.0 mm	93
20.0 mm	85
14.0 mm	77
10.0 mm	69
6.30 mm	61
5.00 mm	57
3.35 mm	53
2.00 mm	48
1.18 mm	44
600 µm	39
425 µm	37
300 µm	33
212 µm	29
150 µm	27
63 µm	19



Particle Proportions	
Cobbles	0.0
Gravel	51.5
Sand	29.6
Silt & Clay	18.9

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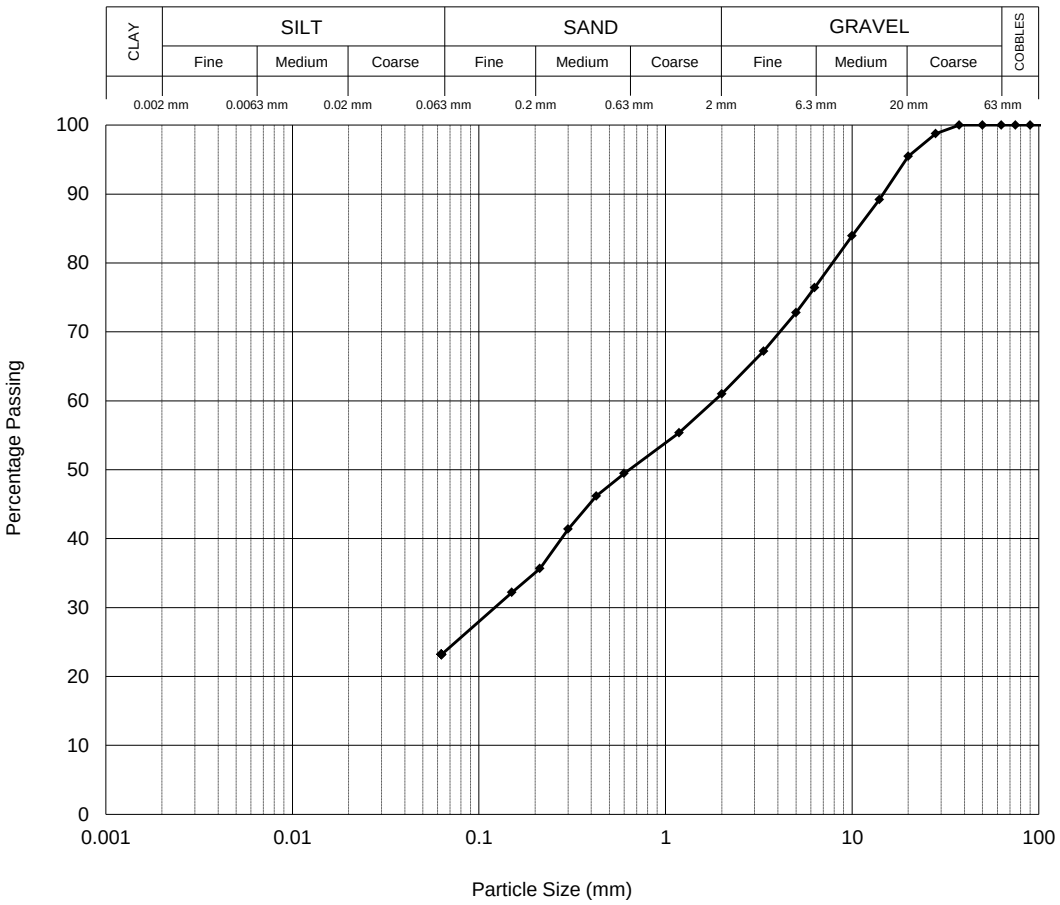
Location	BH402
Sample Ref	B4
Depth (m)	1.20-1.70
Sample Type	B

Description

Reddish brown clayey SAND and fine to coarse GRAVEL.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	99
20.0 mm	95
14.0 mm	89
10.0 mm	84
6.30 mm	76
5.00 mm	73
3.35 mm	67
2.00 mm	61
1.18 mm	55
600 µm	49
425 µm	46
300 µm	41
212 µm	36
150 µm	32
63 µm	23



Particle Proportions	
Cobbles	0.0
Gravel	39.0
Sand	37.8
Silt & Clay	23.2

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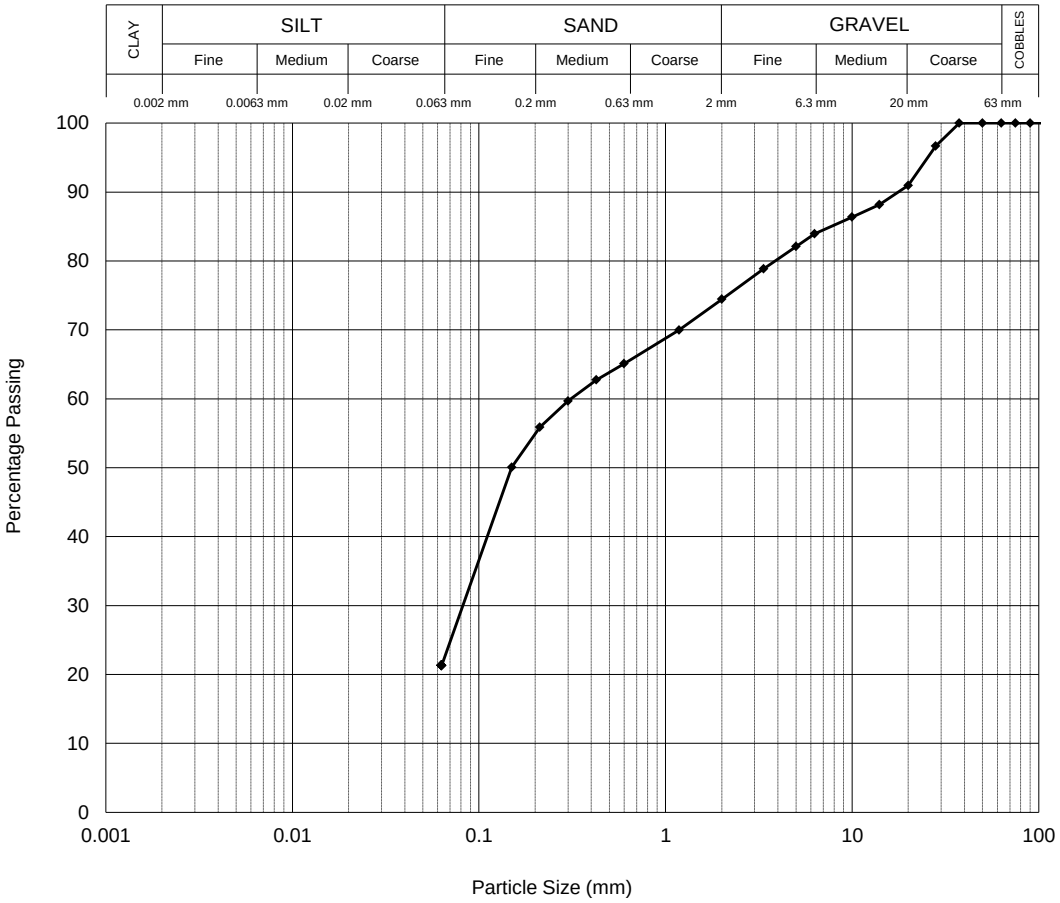
Location	BH402
Sample Ref	B8
Depth (m)	3.00-3.50
Sample Type	B

Description

Reddish brown clayey SAND with much fine to coarse gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	97
20.0 mm	91
14.0 mm	88
10.0 mm	86
6.30 mm	84
5.00 mm	82
3.35 mm	79
2.00 mm	74
1.18 mm	70
600 µm	65
425 µm	63
300 µm	60
212 µm	56
150 µm	50
63 µm	21



Particle Proportions	
Cobbles	0.0
Gravel	25.6
Sand	53.1
Silt & Clay	21.3

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J A Reynolds - Laboratory Manager
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Test Report By GEOLABS Limited Unit D3 HRS Business Park, Granby Avenue, Birmingham, B33 0SJ

Client : RoC Consulting, Commercial Wharf, 6 Commercial Street, Manchester, M15 4PZ (Ref 1605007301)

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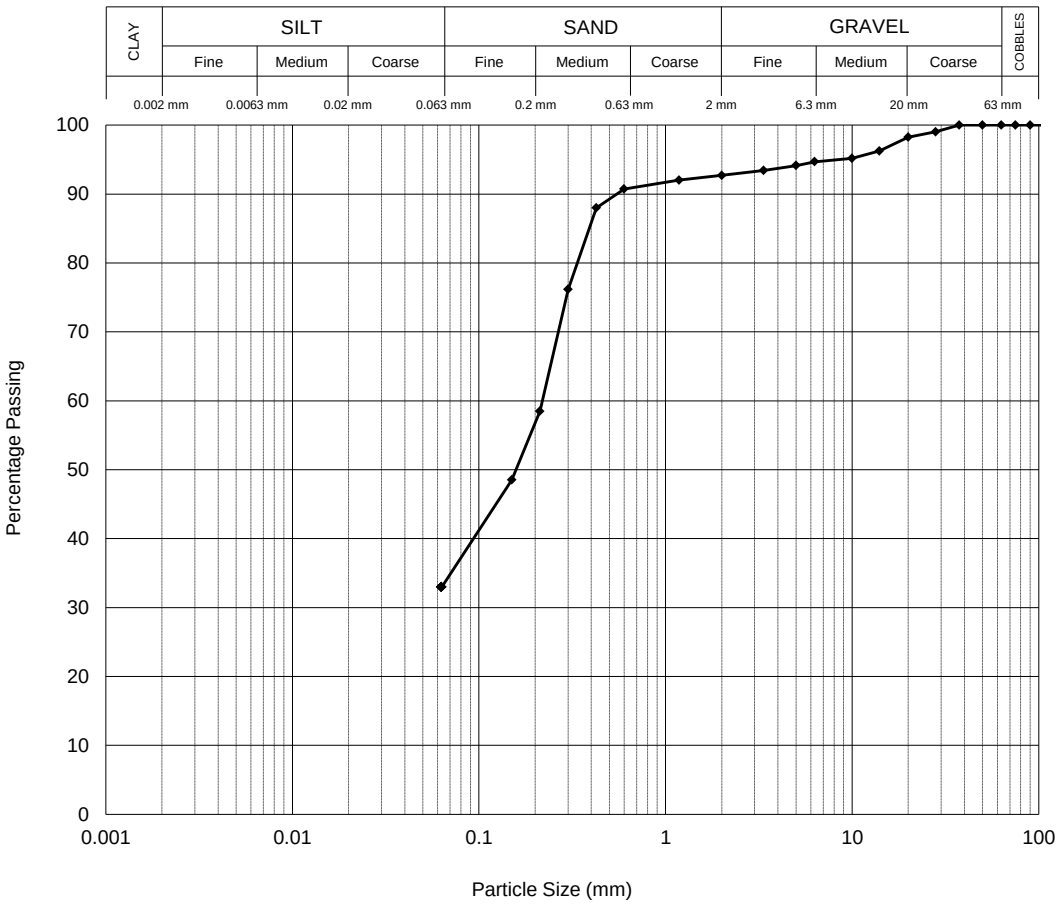
Location	BH403
Sample Ref	B4
Depth (m)	1.20-1.70
Sample Type	B

Description

Brown very clayey SAND with some fine to coarse gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	99
20.0 mm	98
14.0 mm	96
10.0 mm	95
6.30 mm	95
5.00 mm	94
3.35 mm	93
2.00 mm	93
1.18 mm	92
600 µm	91
425 µm	88
300 µm	76
212 µm	58
150 µm	49
63 µm	33



Particle Proportions	
Cobbles	0.0
Gravel	7.3
Sand	59.8
Silt & Clay	32.9

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

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PARTICLE SIZE DISTRIBUTION

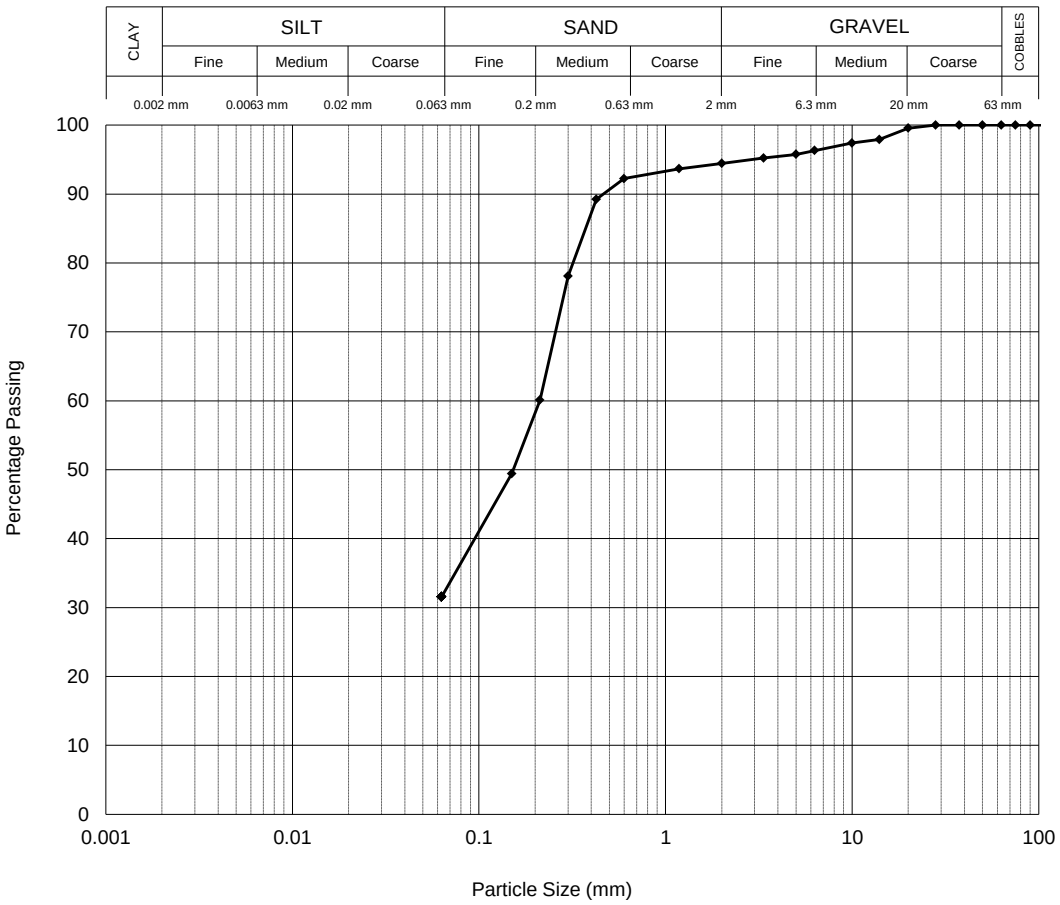
Location	BH403
Sample Ref	B6
Depth (m)	2.00-2.50
Sample Type	B

Description

Brown very clayey SAND with some fine to coarse gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	100
20.0 mm	100
14.0 mm	98
10.0 mm	97
6.30 mm	96
5.00 mm	96
3.35 mm	95
2.00 mm	94
1.18 mm	94
600 µm	92
425 µm	89
300 µm	78
212 µm	60
150 µm	49
63 µm	32



Particle Proportions	
Cobbles	0.0
Gravel	5.6
Sand	62.9
Silt & Clay	31.5

Processed by PK
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J A Reynolds - Laboratory Manager
10/11/2020

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

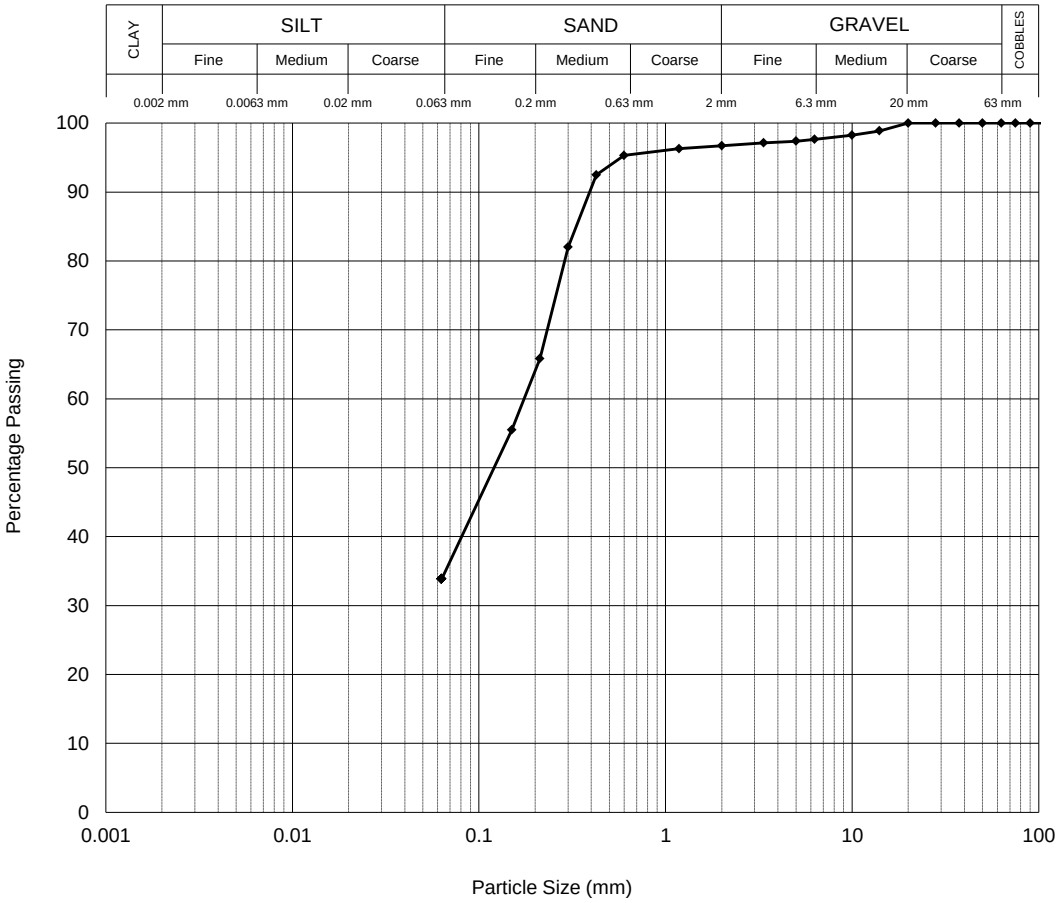
Location	TP302
Depth (m)	2.00
Sample Type	B

Description

Brown very clayey SAND with rare fine to medium gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	100
20.0 mm	100
14.0 mm	99
10.0 mm	98
6.30 mm	98
5.00 mm	97
3.35 mm	97
2.00 mm	97
1.18 mm	96
600 µm	95
425 µm	92
300 µm	82
212 µm	66
150 µm	55
63 µm	34



Particle Proportions	
Cobbles	0.0
Gravel	3.3
Sand	62.9
Silt & Clay	33.8

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

MAYFIELD
4153

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

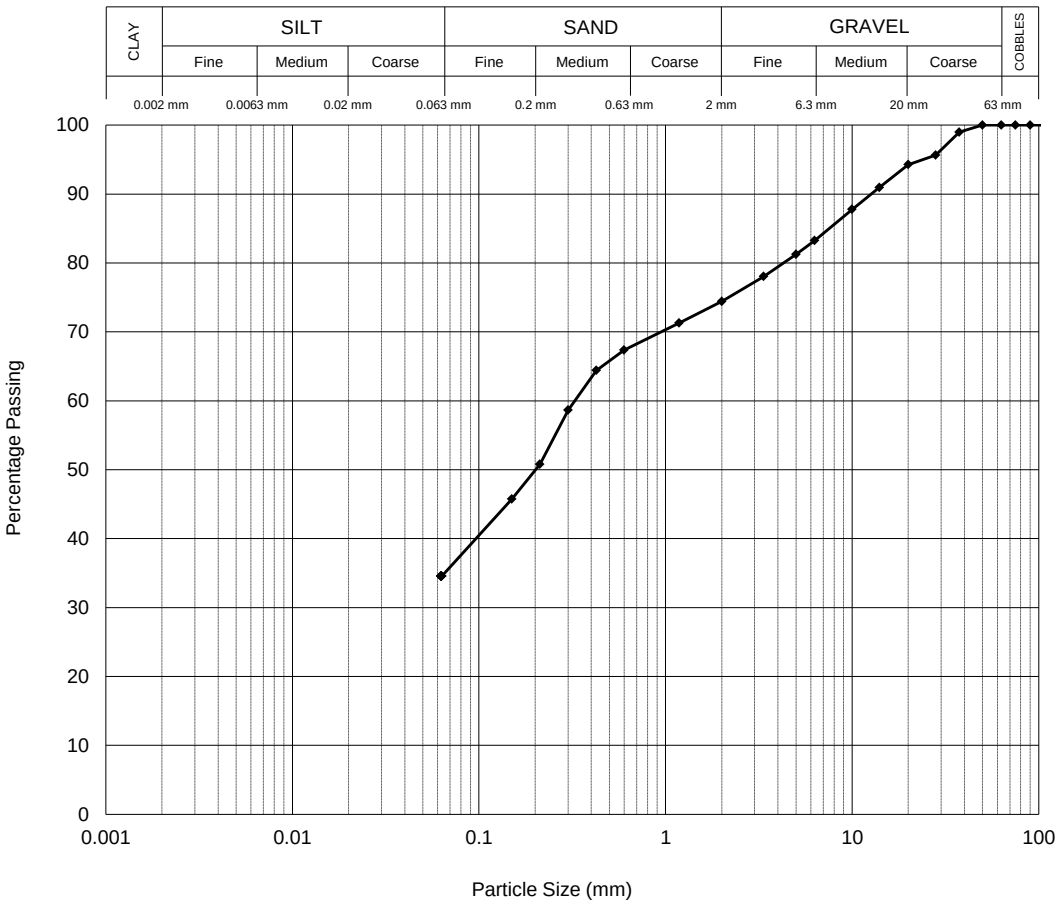
Location	TP303
Depth (m)	1.60
Sample Type	B

Description

Dark brown SAND and CLAY with much fine to coarse gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	99
28.0 mm	96
20.0 mm	94
14.0 mm	91
10.0 mm	88
6.30 mm	83
5.00 mm	81
3.35 mm	78
2.00 mm	74
1.18 mm	71
600 µm	67
425 µm	64
300 µm	59
212 µm	51
150 µm	46
63 µm	35



Particle Proportions	
Cobbles	0.0
Gravel	25.6
Sand	39.9
Silt & Clay	34.5

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

Location	TP304
Depth (m)	1.70
Sample Type	B

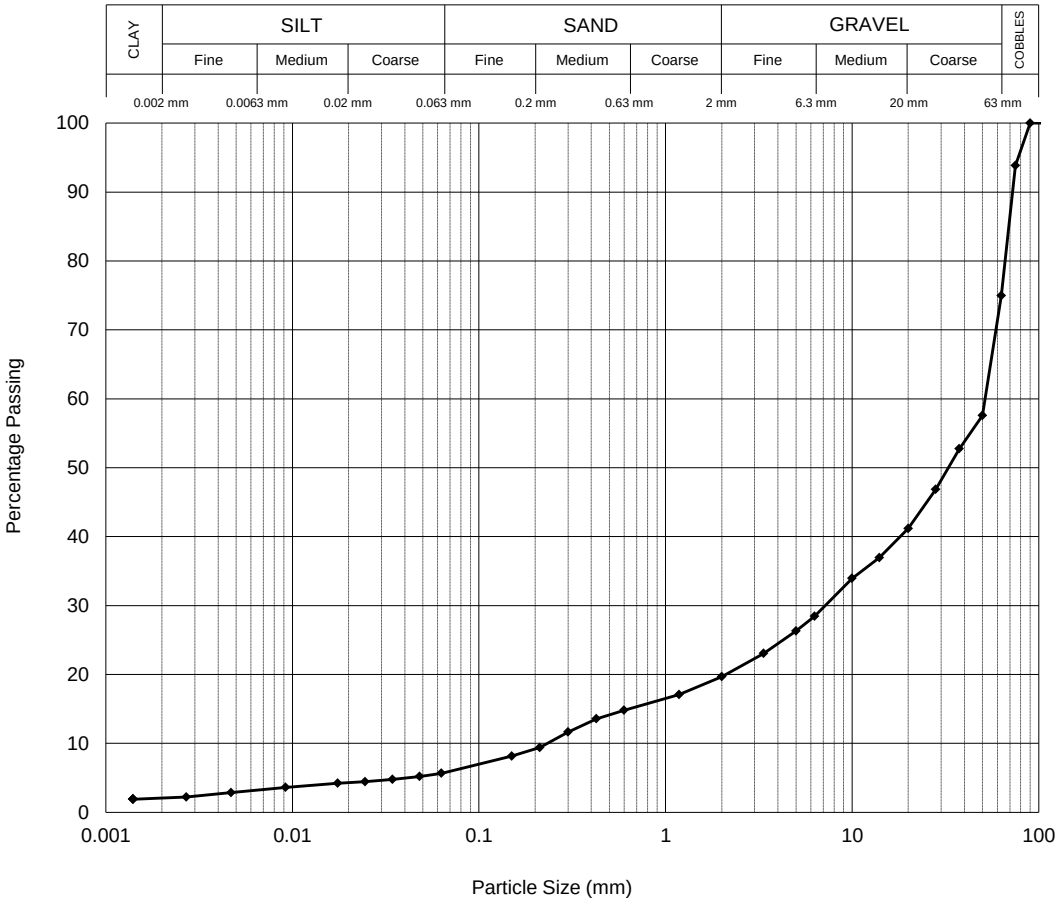
Description

Brownish grey slightly clayey, silty, sandy fine to coarse GRAVEL and one cobble.

Remarks Insuffcient sample supplied to comply with BS EN ISO 17892-4 : 2016 minimum mass requirements

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve
BS EN ISO 17892-4 : 2016 : Clause 5.3 - Sedimentation by Hydrometer

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	94
63.0 mm	75
50.0 mm	58
37.5 mm	53
28.0 mm	47
20.0 mm	41
14.0 mm	37
10.0 mm	34
6.30 mm	28
5.00 mm	26
3.35 mm	23
2.00 mm	20
1.18 mm	17
600 µm	15
425 µm	14
300 µm	12
212 µm	9
150 µm	8
63 µm	6



Sedimentation	
No Pre-treatment used	
Temp (°C)	25.15
Size	% Pass
48 µm	5
34 µm	5
25 µm	4
18 µm	4
9.2 µm	4
4.7 µm	3
2.7 µm	2
1.4 µm	2
Particle Density 2.70(A) Mg/m³	

Particle Proportions	
Cobbles	25.0
Gravel	55.3
Sand	14.0
Silt	3.6
Clay	2.1

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

MAYFIELD
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Test Report By GEOLABS Limited Unit D3 HRS Business Park, Granby Avenue, Birmingham, B33 0SJ

Client : RoC Consulting, Commercial Wharf, 6 Commercial Street, Manchester, M15 4PZ (Ref 1605007329)

BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

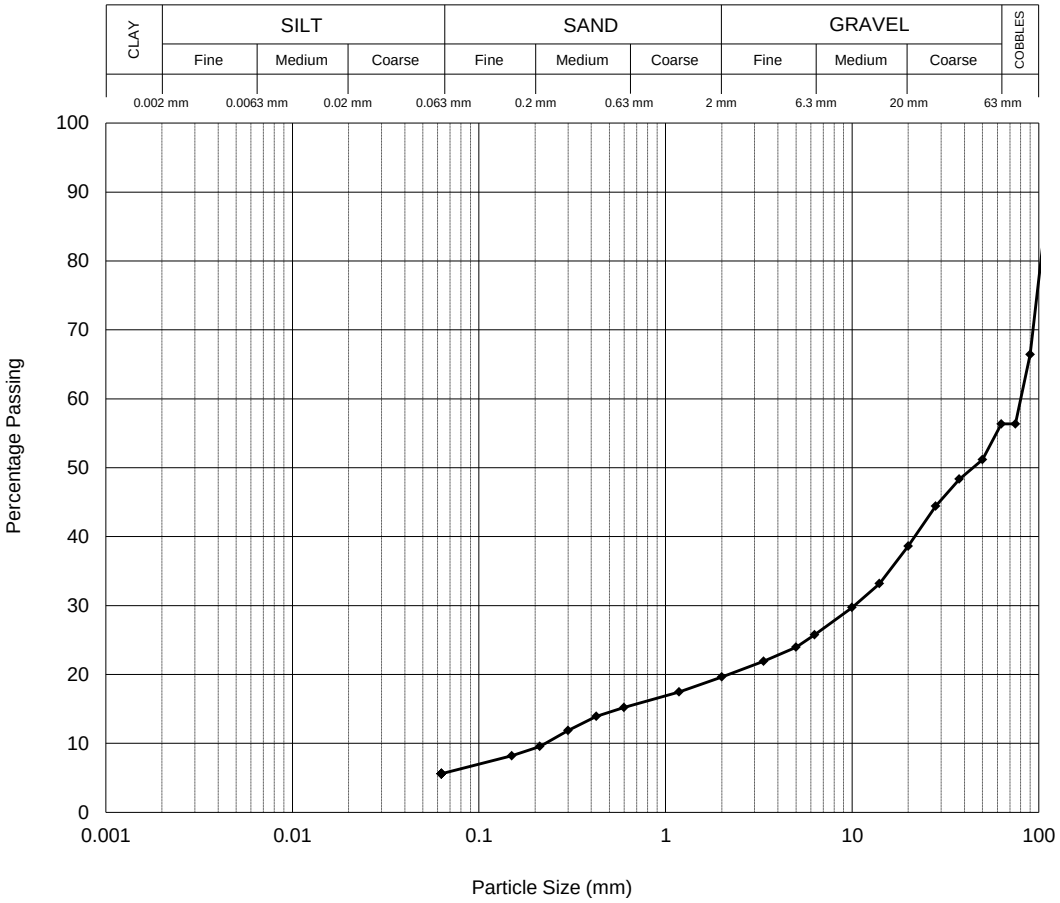
Location	TP305
Depth (m)	0.40
Sample Type	B

Description

Dark brown clayey sandy fine to coarse GRAVEL and four cobbles.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	66
75.0 mm	56
63.0 mm	56
50.0 mm	51
37.5 mm	48
28.0 mm	44
20.0 mm	39
14.0 mm	33
10.0 mm	30
6.30 mm	26
5.00 mm	24
3.35 mm	22
2.00 mm	20
1.18 mm	17
600 µm	15
425 µm	14
300 µm	12
212 µm	10
150 µm	8
63 µm	6



Particle Proportions	
Cobbles	43.6
Gravel	36.7
Sand	14.1
Silt & Clay	5.6

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

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Test Report By GEOLABS Limited Unit D3 HRS Business Park, Granby Avenue, Birmingham, B33 0SJ

Client : RoC Consulting, Commercial Wharf, 6 Commercial Street, Manchester, M15 4PZ

(Ref 1605007334)

BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

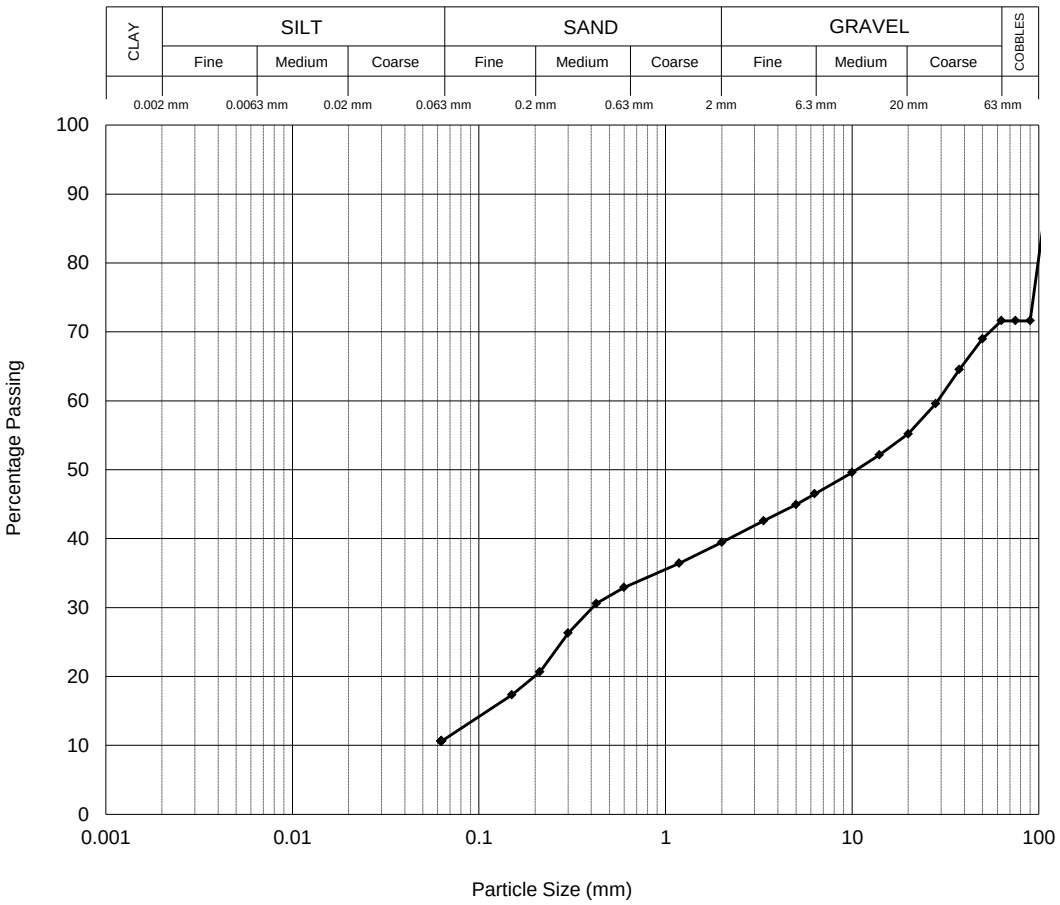
Location	TP308
Depth (m)	1.70
Sample Type	B

Description

Dark brown clayey SAND and fine to coarse GRAVEL with a single cobble.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	72
75.0 mm	72
63.0 mm	72
50.0 mm	69
37.5 mm	65
28.0 mm	60
20.0 mm	55
14.0 mm	52
10.0 mm	50
6.30 mm	46
5.00 mm	45
3.35 mm	43
2.00 mm	39
1.18 mm	36
600 µm	33
425 µm	31
300 µm	26
212 µm	21
150 µm	17
63 µm	11



Particle Proportions	
Cobbles	28.4
Gravel	32.2
Sand	28.8
Silt & Clay	10.6

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

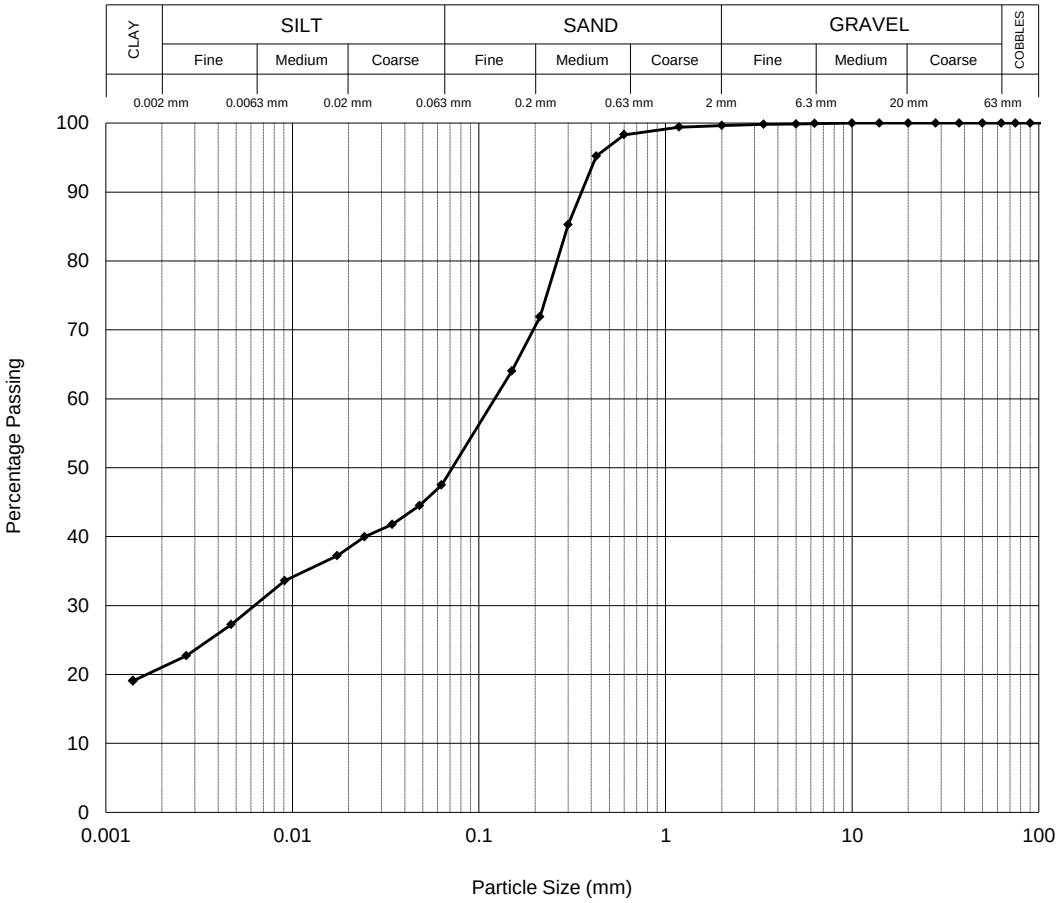
Location	TP309
Depth (m)	1.50
Sample Type	B

Description

Brown clayey, silty SAND.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve
BS EN ISO 17892-4 : 2016 : Clause 5.3 - Sedimentation by Hydrometer

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	100
20.0 mm	100
14.0 mm	100
10.0 mm	100
6.30 mm	100
5.00 mm	100
3.35 mm	100
2.00 mm	100
1.18 mm	99
600 µm	98
425 µm	95
300 µm	85
212 µm	72
150 µm	64
63 µm	47



Sedimentation	
No Pre-treatment used	
Temp (°C)	25.15
Size	% Pass
48 µm	45
34 µm	42
24 µm	40
17 µm	37
9.1 µm	34
4.7 µm	27
2.7 µm	23
1.4 µm	19
Particle Density 2.70(A) Mg/m³	

Particle Proportions	
Cobbles	0.0
Gravel	0.3
Sand	52.2
Silt	26.7
Clay	20.8

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

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Project Name:

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Client : RoC Consulting, Commercial Wharf, 6 Commercial Street, Manchester, M15 4PZ

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

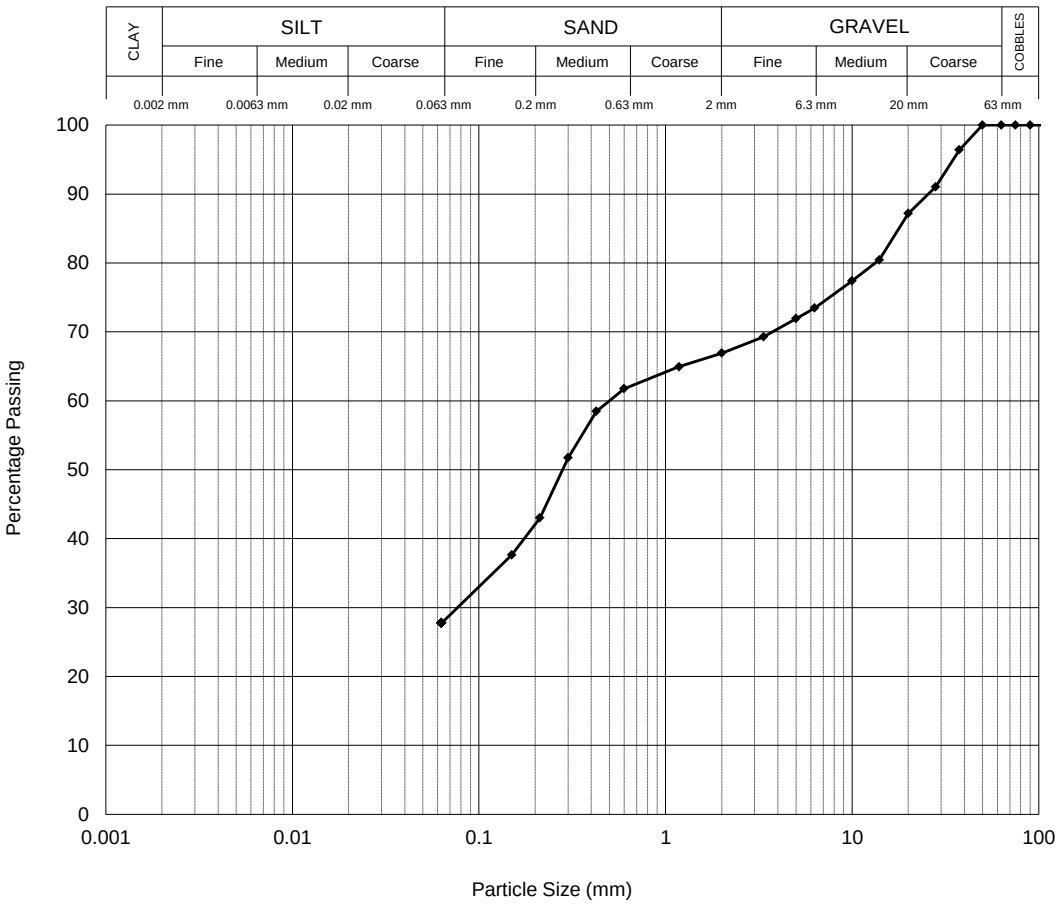
Location	TP402
Depth (m)	1.00-1.50
Sample Type	B

Description

Dark brown clayey SAND with much fine to coarse gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	96
28.0 mm	91
20.0 mm	87
14.0 mm	80
10.0 mm	77
6.30 mm	73
5.00 mm	72
3.35 mm	69
2.00 mm	67
1.18 mm	65
600 µm	62
425 µm	58
300 µm	52
212 µm	43
150 µm	38
63 µm	28



Particle Proportions	
Cobbles	0.0
Gravel	33.1
Sand	39.2
Silt & Clay	27.7

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

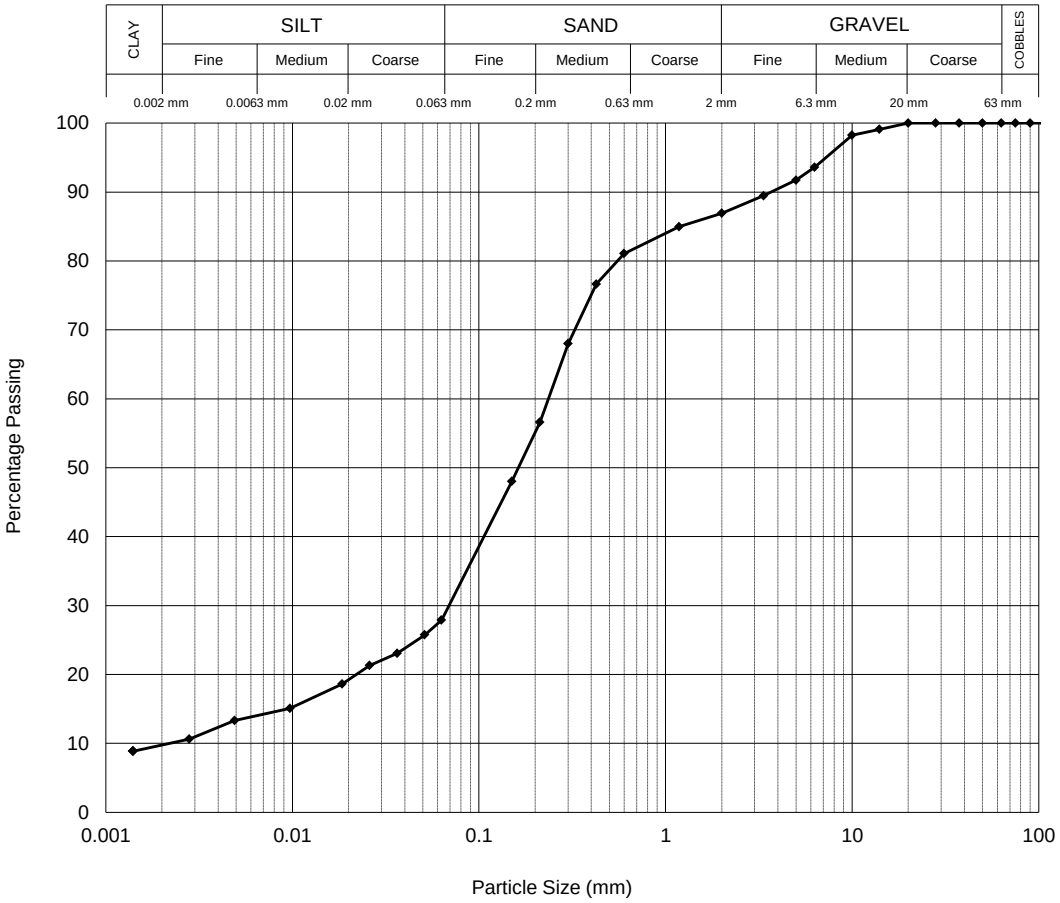
Location	TP404
Depth (m)	1.00-1.50
Sample Type	B

Description

Dark brown clayey, silty SAND with some fine to medium gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve
BS EN ISO 17892-4 : 2016 : Clause 5.3 - Sedimentation by Hydrometer

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	100
20.0 mm	100
14.0 mm	99
10.0 mm	98
6.30 mm	94
5.00 mm	92
3.35 mm	89
2.00 mm	87
1.18 mm	85
600 µm	81
425 µm	77
300 µm	68
212 µm	57
150 µm	48
63 µm	28



Sedimentation	
No Pre-treatment used	
Temp (°C)	25.15
Size	% Pass
51 µm	26
36 µm	23
26 µm	21
19 µm	19
9.7 µm	15
4.9 µm	13
2.8 µm	11
1.4 µm	9
Particle Density 2.70(A) Mg/m³	

Particle Proportions	
Cobbles	0.0
Gravel	13.1
Sand	59.0
Silt	18.3
Clay	9.6

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

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Project Name:

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Client : RoC Consulting, Commercial Wharf, 6 Commercial Street, Manchester, M15 4PZ

(Ref 1605007356)

BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

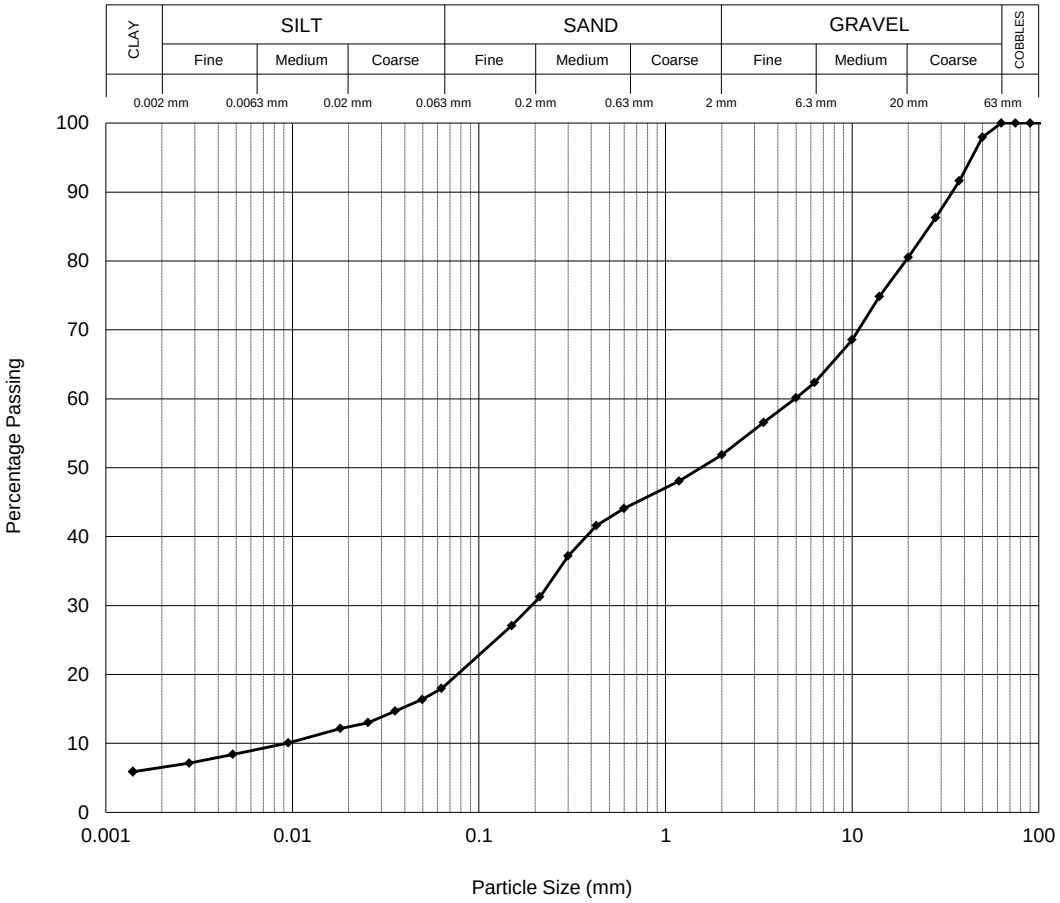
Location	TP405
Depth (m)	2.00-2.50
Sample Type	B

Description

Dark brown clayey, silty, very sandy fine to coarse GRAVEL.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve
BS EN ISO 17892-4 : 2016 : Clause 5.3 - Sedimentation by Hydrometer

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	98
37.5 mm	92
28.0 mm	86
20.0 mm	81
14.0 mm	75
10.0 mm	69
6.30 mm	62
5.00 mm	60
3.35 mm	57
2.00 mm	52
1.18 mm	48
600 µm	44
425 µm	42
300 µm	37
212 µm	31
150 µm	27
63 µm	18



Sedimentation	
No Pre-treatment used	
Temp (°C)	25.15
Size	% Pass
50 µm	16
36 µm	15
25 µm	13
18 µm	12
9.5 µm	10
4.8 µm	8
2.8 µm	7
1.4 µm	6
Particle Density 2.70(A) Mg/m³	

Particle Proportions	
Cobbles	0.0
Gravel	48.2
Sand	33.9
Silt	11.6
Clay	6.3

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

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Client : RoC Consulting, Commercial Wharf, 6 Commercial Street, Manchester, M15 4PZ

(Ref 1605007361)

BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

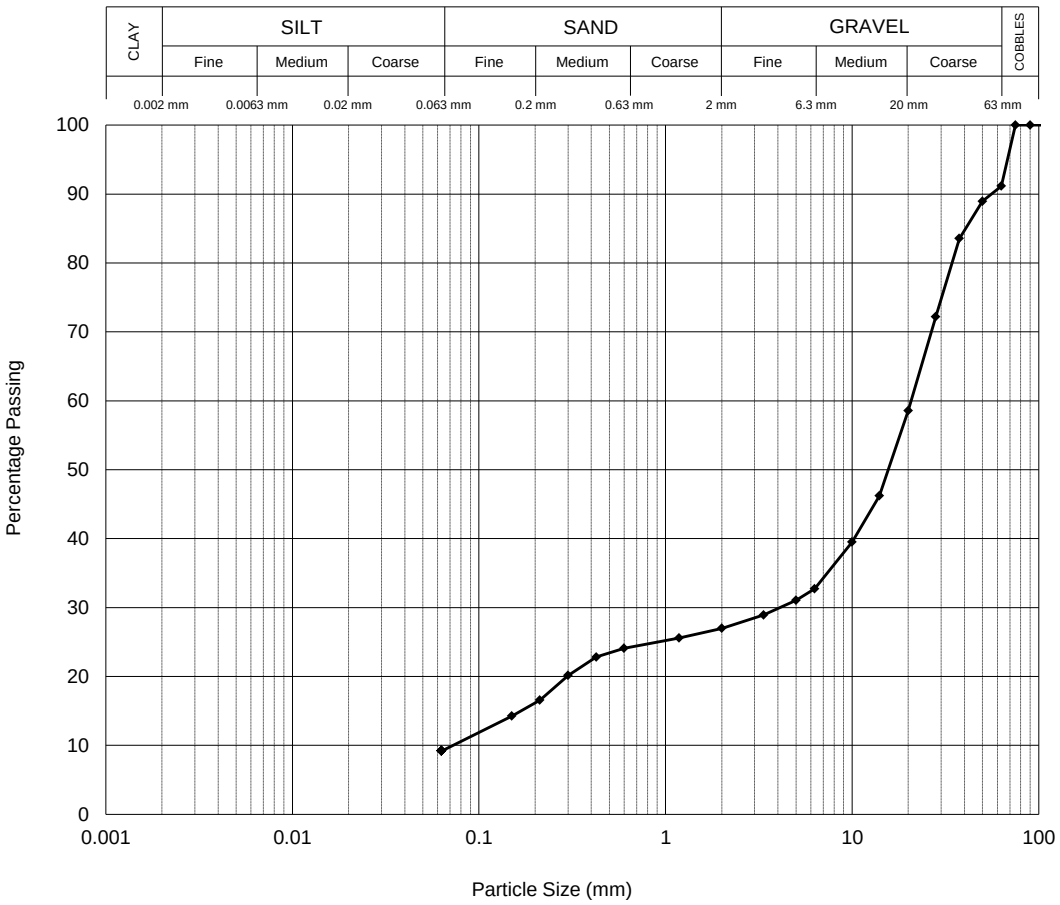
Location	TP406
Depth (m)	0.50-1.00
Sample Type	B

Description

Dark brown clayey, sandy fine to coarse GRAVEL.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	91
50.0 mm	89
37.5 mm	84
28.0 mm	72
20.0 mm	59
14.0 mm	46
10.0 mm	40
6.30 mm	33
5.00 mm	31
3.35 mm	29
2.00 mm	27
1.18 mm	26
600 µm	24
425 µm	23
300 µm	20
212 µm	17
150 µm	14
63 µm	9



Particle Proportions	
Cobbles	8.9
Gravel	64.2
Sand	17.8
Silt & Clay	9.1

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

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Project Name:

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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

Location	TP407
Depth (m)	1.00
Sample Type	B

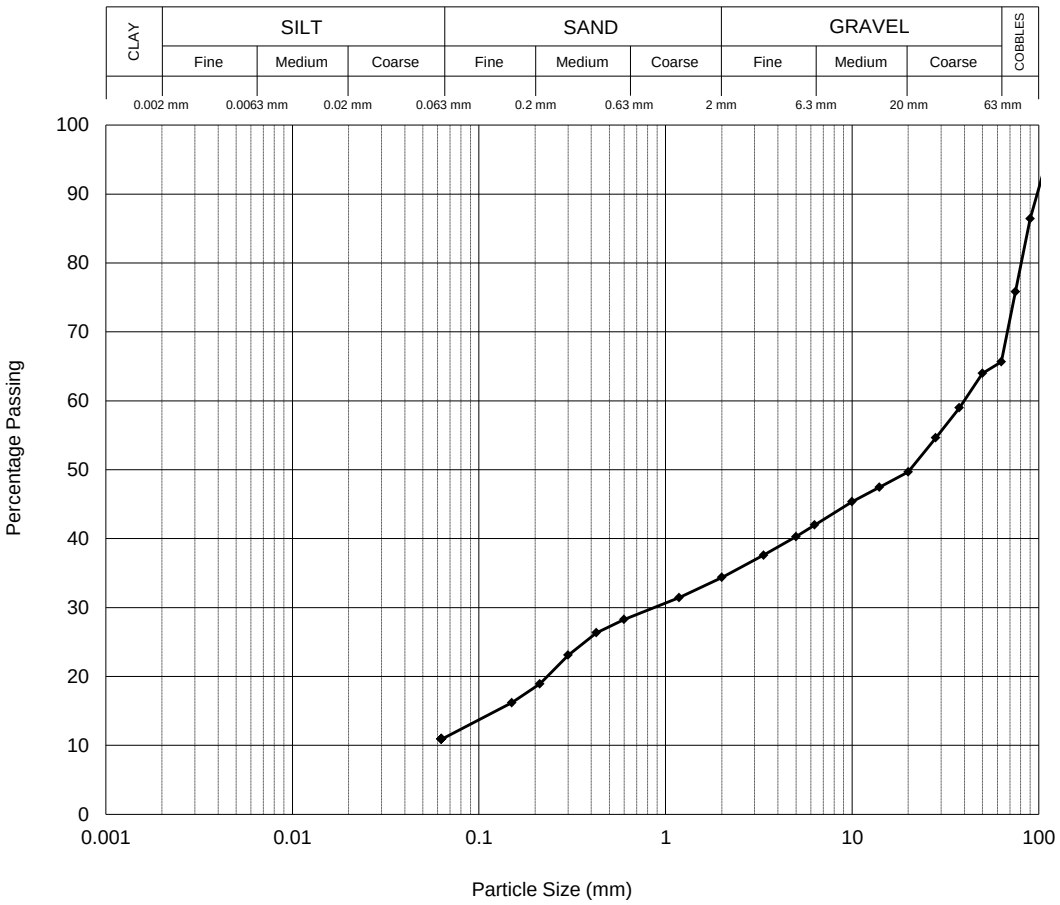
Description

Dark brown clayey, sandy fine to coarse GRAVEL and five cobbles.

Remarks Insuffcient sample supplied to comply with BS EN ISO 17892-4 : 2016 minimum mass requirements

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	86
75.0 mm	76
63.0 mm	66
50.0 mm	64
37.5 mm	59
28.0 mm	55
20.0 mm	50
14.0 mm	47
10.0 mm	45
6.30 mm	42
5.00 mm	40
3.35 mm	38
2.00 mm	34
1.18 mm	31
600 µm	28
425 µm	26
300 µm	23
212 µm	19
150 µm	16
63 µm	11



Particle Proportions	
Cobbles	34.3
Gravel	31.3
Sand	23.5
Silt & Clay	10.9

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

MAYFIELD
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Test Report By GEOLABS Limited Unit D3 HRS Business Park, Granby Avenue, Birmingham, B33 0SJ

Client : RoC Consulting, Commercial Wharf, 6 Commercial Street, Manchester, M15 4PZ (Ref 1605007372)

BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

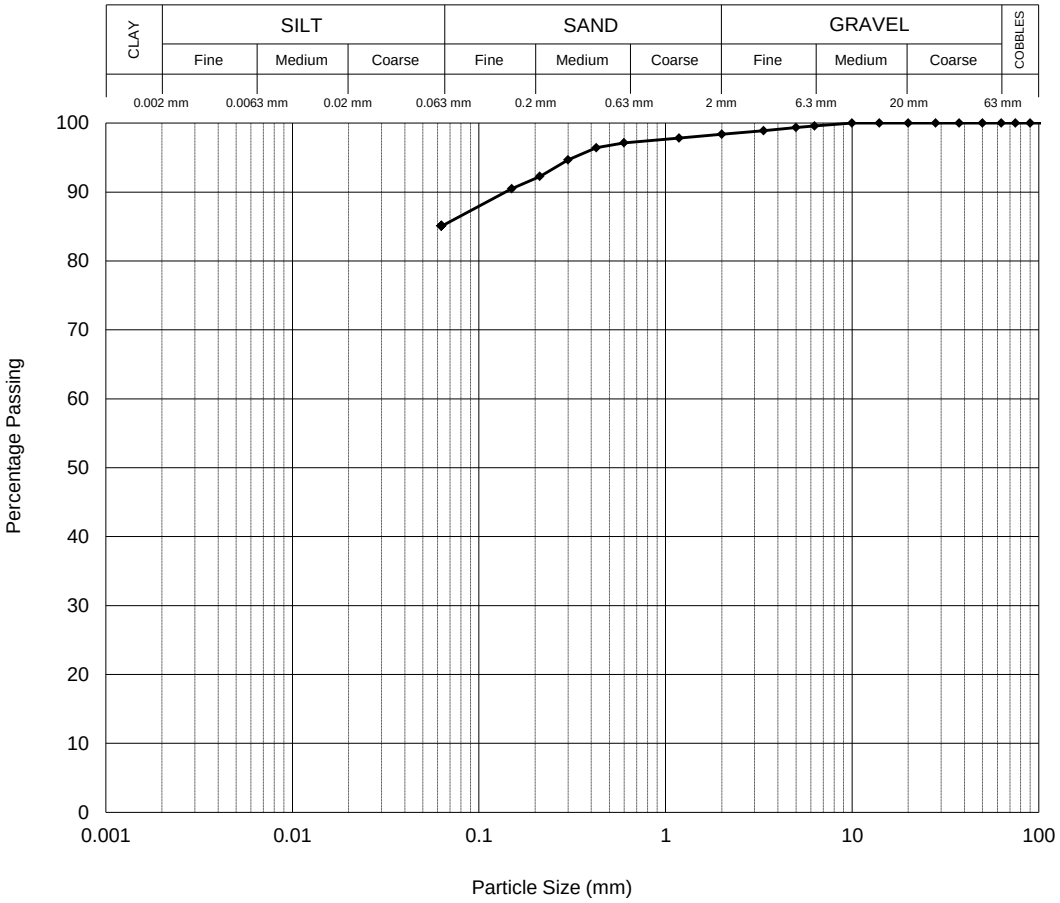
Location	TP408
Depth (m)	0.80
Sample Type	D

Description

Dark brown sandy CLAY with rare fine to medium gravel.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	100
20.0 mm	100
14.0 mm	100
10.0 mm	100
6.30 mm	100
5.00 mm	99
3.35 mm	99
2.00 mm	98
1.18 mm	98
600 µm	97
425 µm	96
300 µm	95
212 µm	92
150 µm	90
63 µm	85



Particle Proportions	
Cobbles	0.0
Gravel	1.6
Sand	13.3
Silt & Clay	85.1

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

MAYFIELD
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BS EN ISO 17892-4 : 2016

PARTICLE SIZE DISTRIBUTION

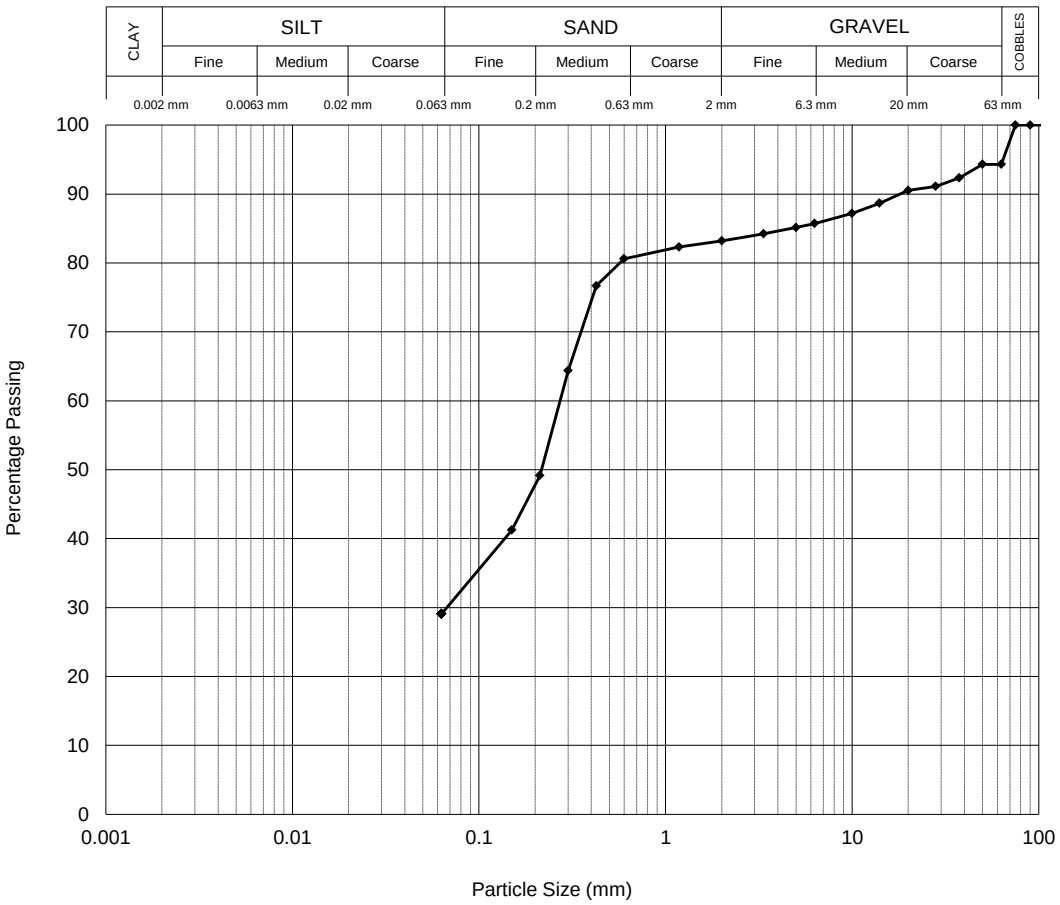
Location	TP409
Depth (m)	1.10-1.20
Sample Type	B

Description

Orangish brown very clayey SAND with some fine to coarse gravel and one cobble.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	94
50.0 mm	94
37.5 mm	92
28.0 mm	91
20.0 mm	91
14.0 mm	89
10.0 mm	87
6.30 mm	86
5.00 mm	85
3.35 mm	84
2.00 mm	83
1.18 mm	82
600 µm	81
425 µm	77
300 µm	64
212 µm	49
150 µm	41
63 µm	29



Particle Proportions	
Cobbles	5.7
Gravel	11.1
Sand	54.1
Silt & Clay	29.1

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

MAYFIELD
4153

BS1377:Part 4:1990 Clause 3.3

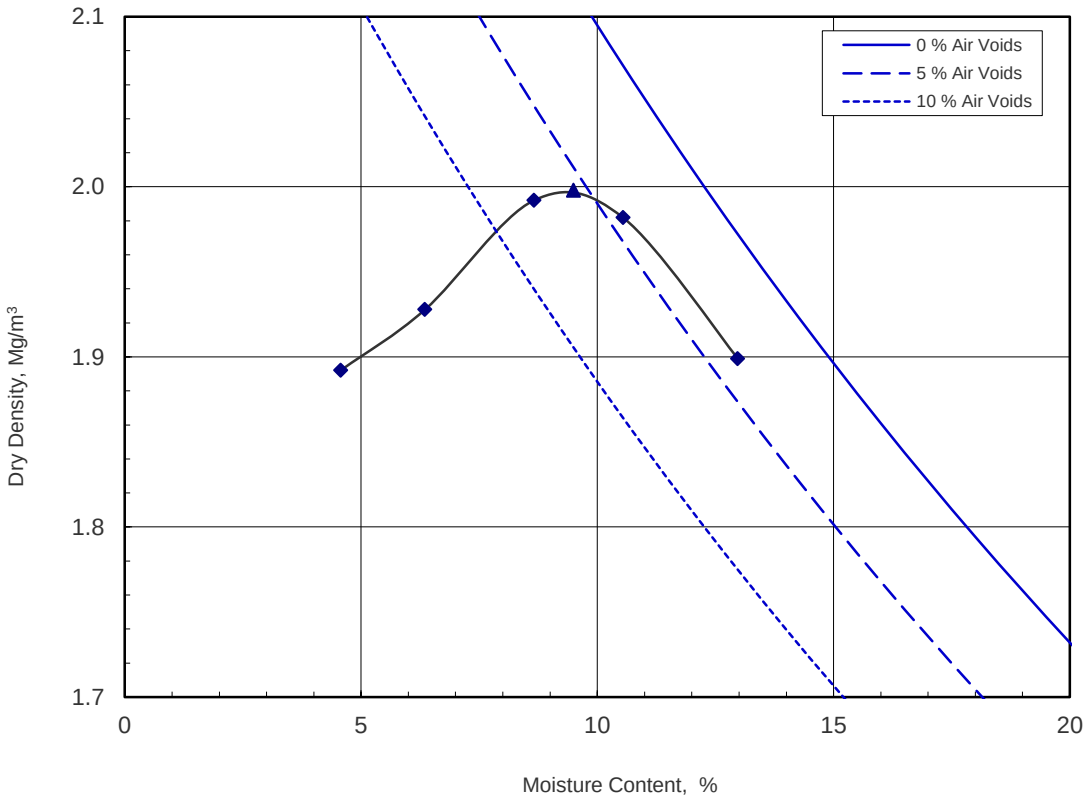
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	BH302
Sample Ref	B4
Depth (m)	1.20-1.70
Sample Type	B

Description:

Dark grey sandy fine to coarse GRAVEL.

Preparation		Air dried
Test Method		2.5kg Rammer for soils with particles up to medium-gravel size
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	2.00
Optimum Moisture Content	%	9.5



Determination		1	2	3	4	5
Moisture Content	%	4.6	6.4	8.7	10.5	13.0
Dry Density	Mg/m³	1.89	1.93	1.99	1.98	1.90

Processed by AC
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

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Project Name:

MAYFIELD
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BS1377:Part 4:1990 Clause 3.3

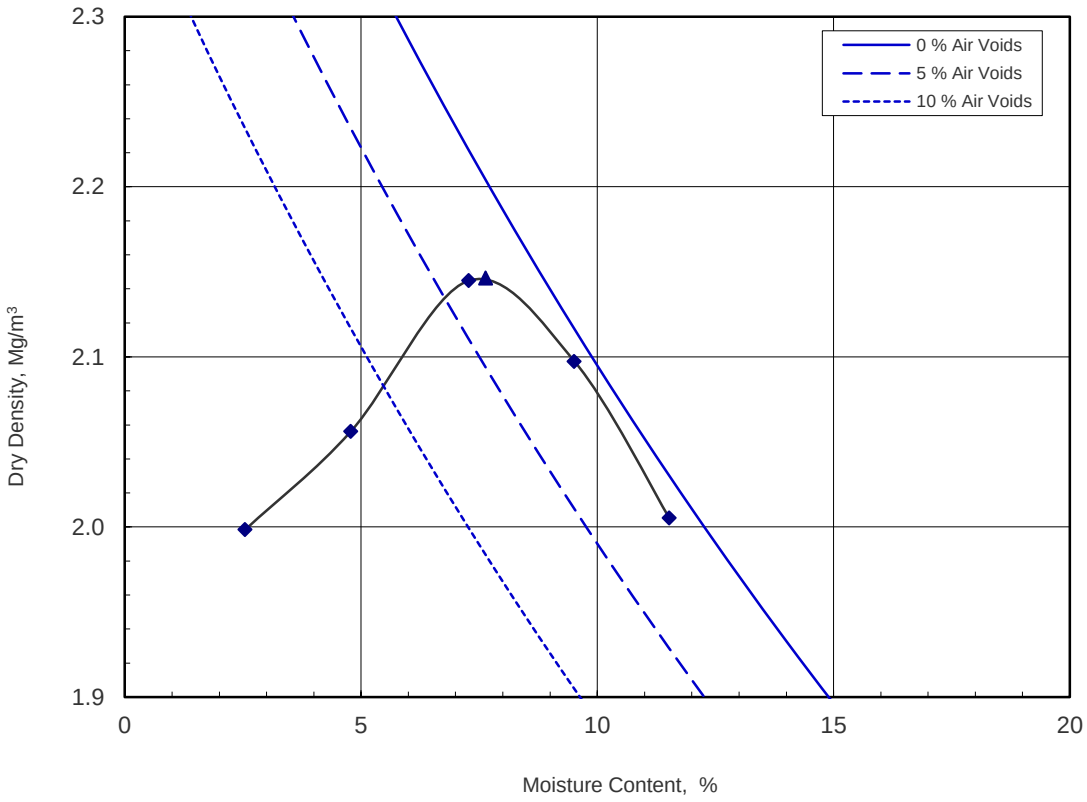
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	BH303
Sample Ref	B2
Depth (m)	0.60-0.85
Sample Type	B

Description:

Light brown clayey sandy fine to coarse GRAVEL.

Preparation		Air dried
Test Method		2.5kg Rammer for soils with particles up to medium-gravel size
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	2.15
Optimum Moisture Content	%	7.6



Determination		1	2	3	4	5
Moisture Content	%	2.5	4.8	7.3	9.5	11.5
Dry Density	Mg/m³	2.00	2.06	2.14	2.10	2.01

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10/11/2020

Project Number:

GEO / 31876

Project Name:

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BS1377:Part 4:1990 Clause 3.3

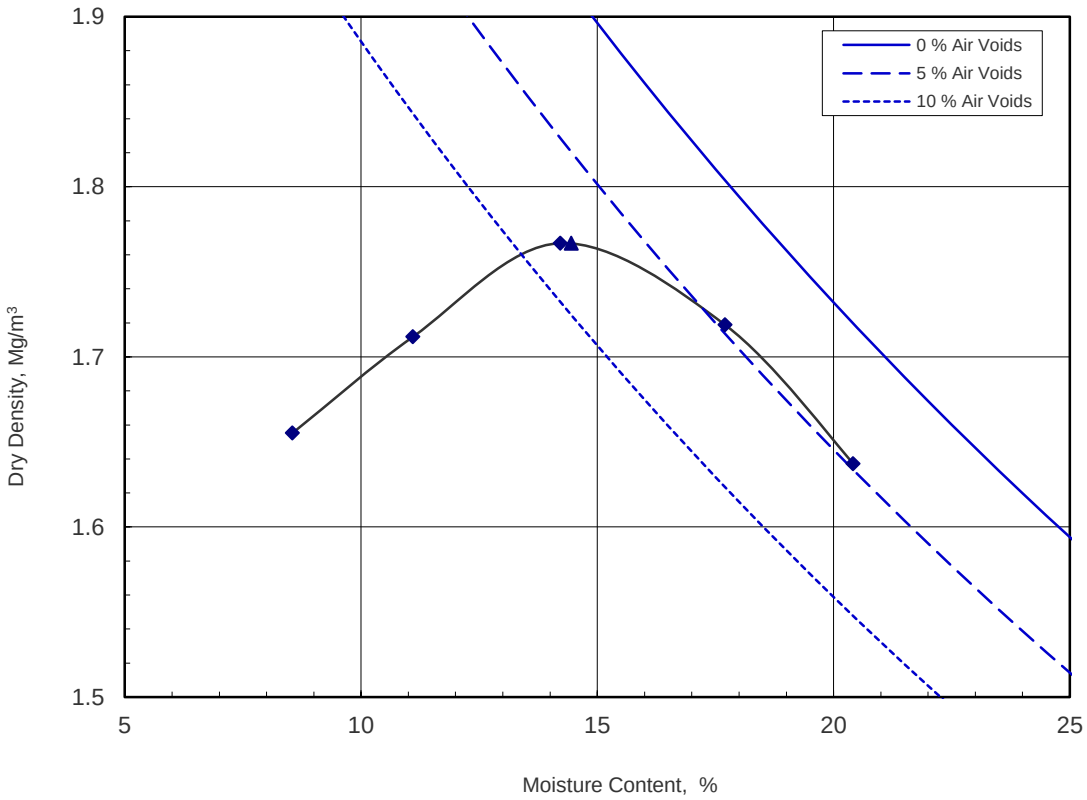
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	BH401
Sample Ref	B3
Depth (m)	1.50-1.70
Sample Type	B

Description:

Dark brown clayey sandy fine to coarse GRAVEL.

Preparation		Air dried
Test Method		2.5kg Rammer for soils with particles up to medium-gravel size
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	2
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	1.77
Optimum Moisture Content	%	14.5



Determination		1	2	3	4	5
Moisture Content	%	8.5	11.1	14.2	17.7	20.4
Dry Density	Mg/m³	1.66	1.71	1.77	1.72	1.64

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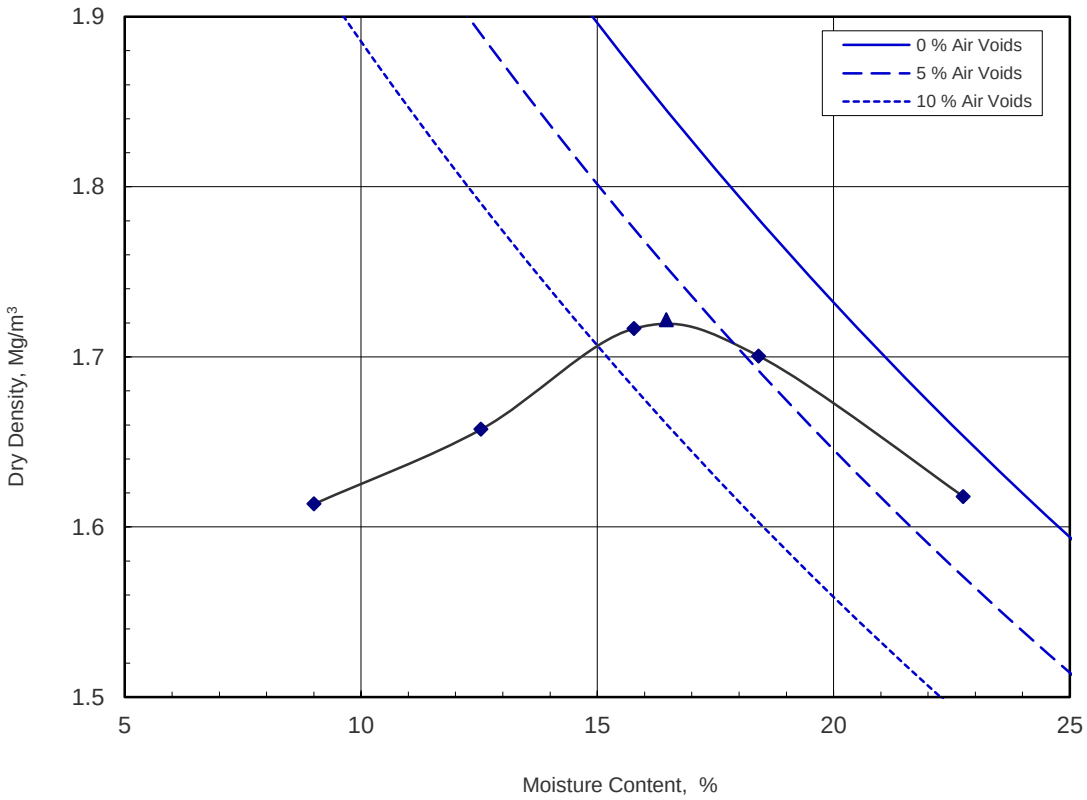
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	BH402
Sample Ref	B4
Depth (m)	1.20-1.70
Sample Type	B

Description:

Reddish brown slightly clayey sandy fine to coarse GRAVEL.

Preparation		Oven dried
Test Method		2.5kg Rammer for soils with some coarse gravel-size particles
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	4
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	1.72
Optimum Moisture Content	%	16.5



Determination		1	2	3	4	5
Moisture Content	%	9.0	12.5	15.8	18.4	22.7
Dry Density	Mg/m³	1.61	1.66	1.72	1.70	1.62

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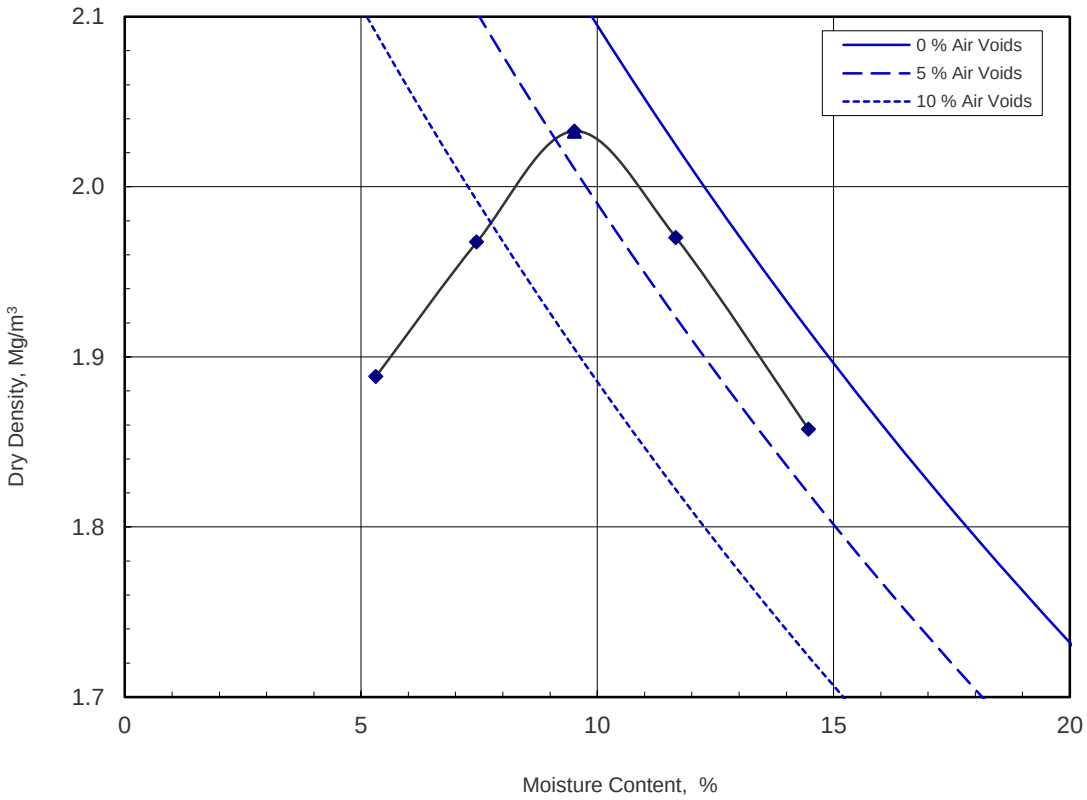
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	BH403
Sample Ref	B4
Depth (m)	1.20-1.70
Sample Type	B

Description:

Reddish brown very sandy CLAY with some fine to coarse gravel.

Preparation		Air dried
Test Method		2.5kg Rammer for soils with particles up to medium-gravel size
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	2
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	2.03
Optimum Moisture Content	%	9.5



Determination		1	2	3	4	5
Moisture Content	%	5.3	7.4	9.5	11.7	14.5
Dry Density	Mg/m³	1.89	1.97	2.03	1.97	1.86

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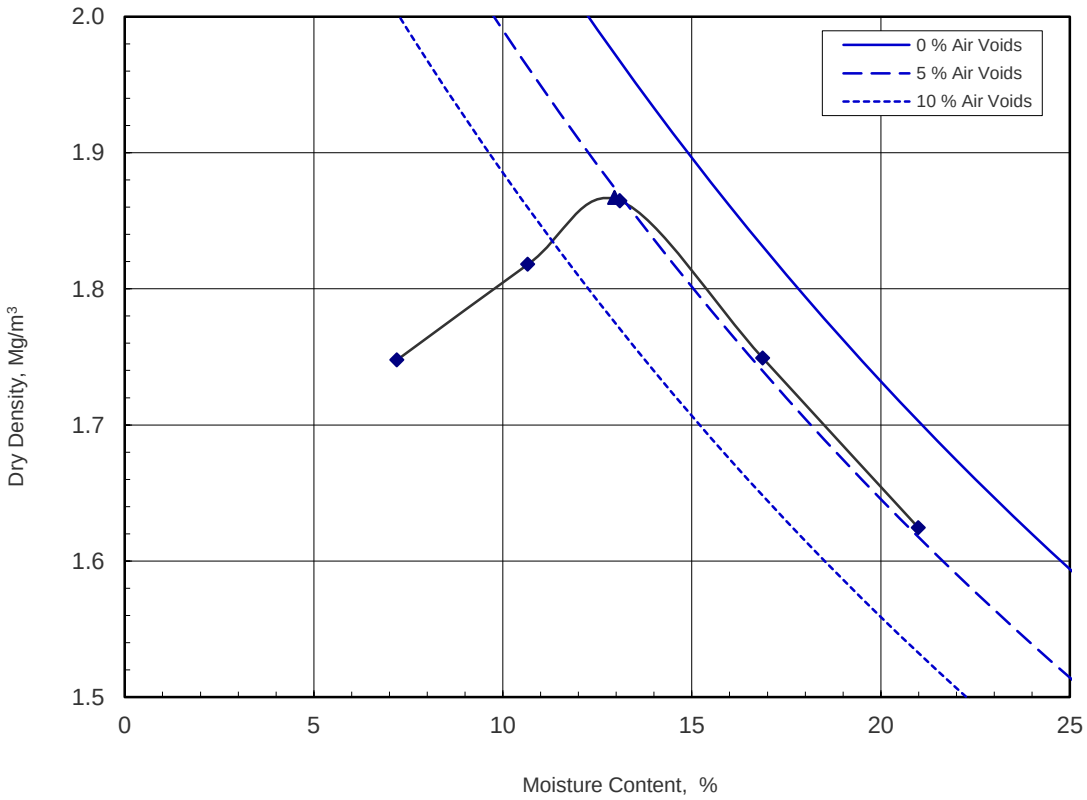
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	TP302
Depth (m)	2.00
Sample Type	B

Description:

Dark brown very sandy CLAY with some fine to medium gravel.

Preparation		Oven dried
Test Method		2.5kg Rammer for soils with particles up to medium-gravel size
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	1.87
Optimum Moisture Content	%	13.0



Determination		1	2	3	4	5
Moisture Content	%	7.2	10.7	13.1	16.9	21.0
Dry Density	Mg/m³	1.75	1.82	1.86	1.75	1.62

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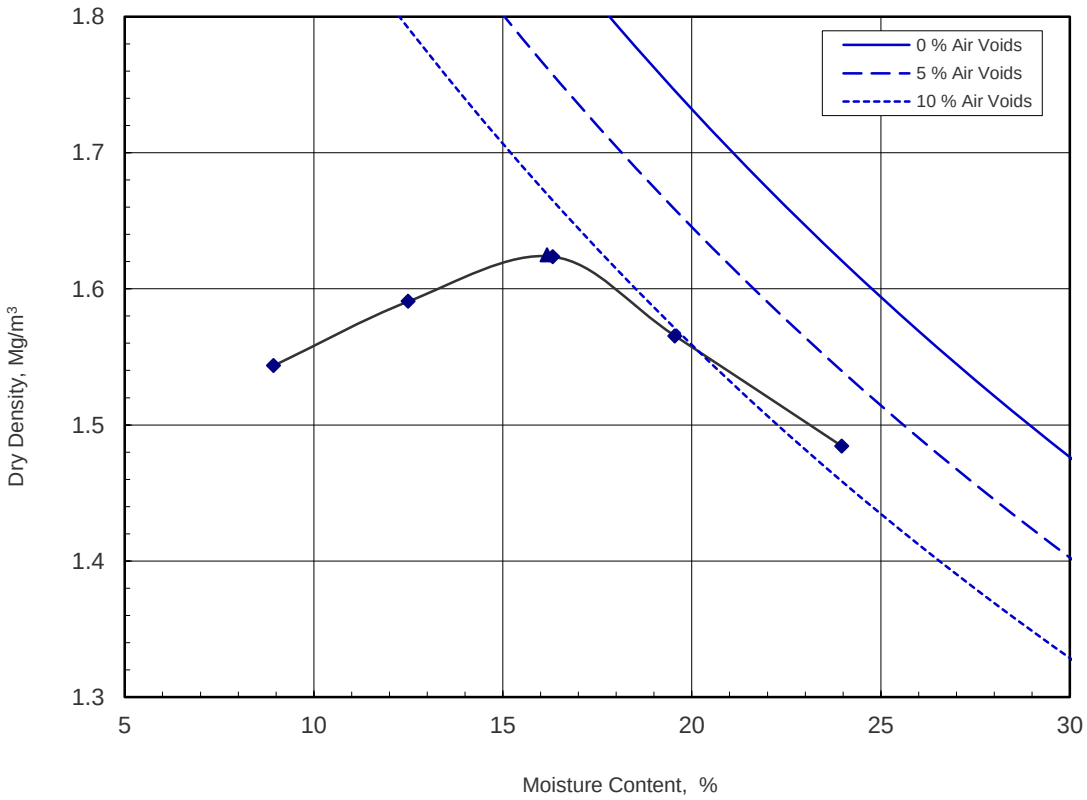
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	TP303
Depth (m)	1.60
Sample Type	B

Description:

Dark brown SAND and CLAY with much fine to coarse gravel.

Preparation		Oven dried
Test Method		2.5kg Rammer for soils with particles up to medium-gravel size
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	1.62
Optimum Moisture Content	%	16.2



Determination		1	2	3	4	5
Moisture Content	%	8.9	12.5	16.3	19.6	24.0
Dry Density	Mg/m³	1.54	1.59	1.62	1.57	1.48

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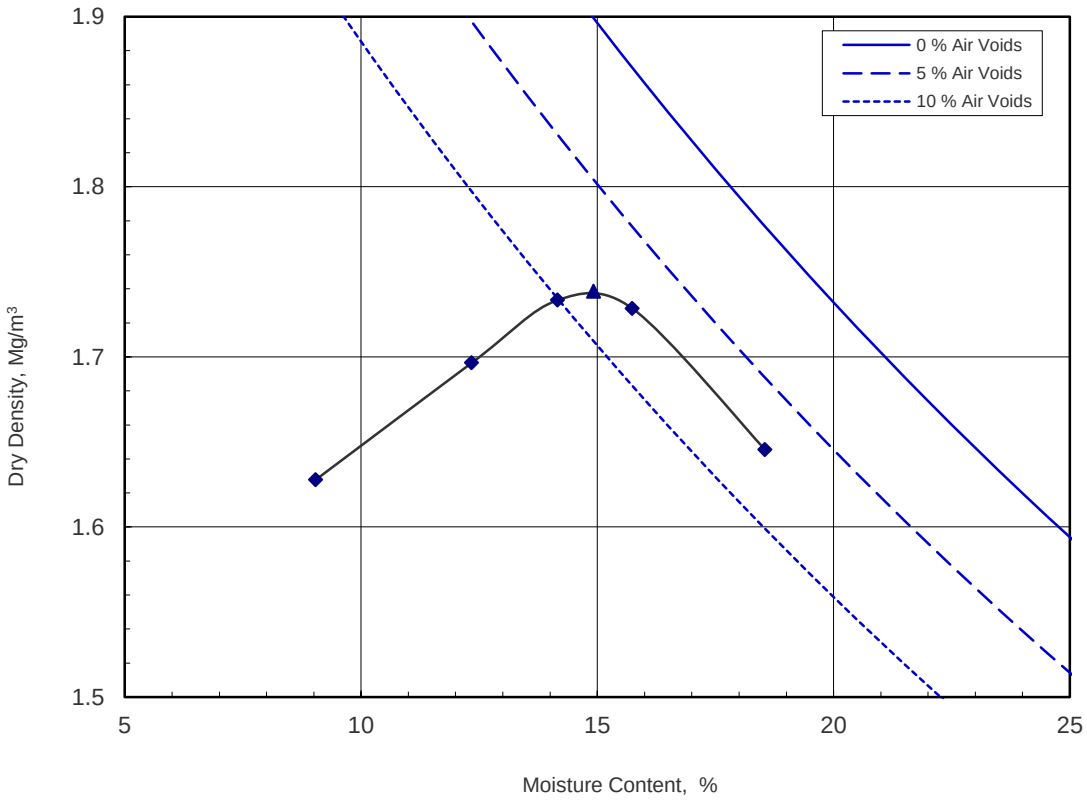
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	TP308
Depth (m)	1.70
Sample Type	B

Description:

Dark brown slightly clayey sandy fine to coarse GRAVEL with a single cobble.

Preparation		Oven dried
Test Method		2.5kg Rammer for soils with some coarse gravel-size particles
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	21
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	1.74
Optimum Moisture Content	%	14.9



Determination		1	2	3	4	5
Moisture Content	%	9.0	12.3	14.2	15.7	18.6
Dry Density	Mg/m³	1.63	1.70	1.73	1.73	1.65

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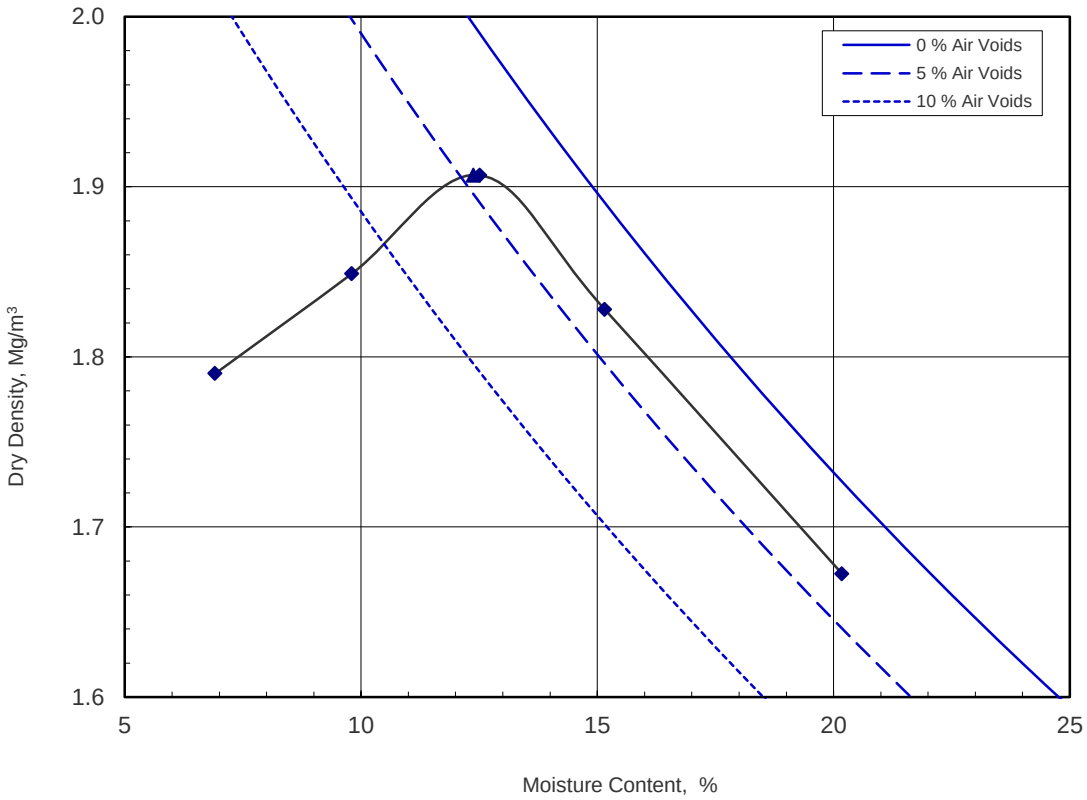
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	TP309
Depth (m)	1.50
Sample Type	B

Description:

Brown sandy CLAY.

Preparation		Air dried
Test Method		2.5kg Rammer for soils with particles up to medium-gravel size
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	1.91
Optimum Moisture Content	%	12.4



Determination		1	2	3	4	5
Moisture Content	%	6.9	9.8	12.5	15.2	20.2
Dry Density	Mg/m³	1.79	1.85	1.91	1.83	1.67

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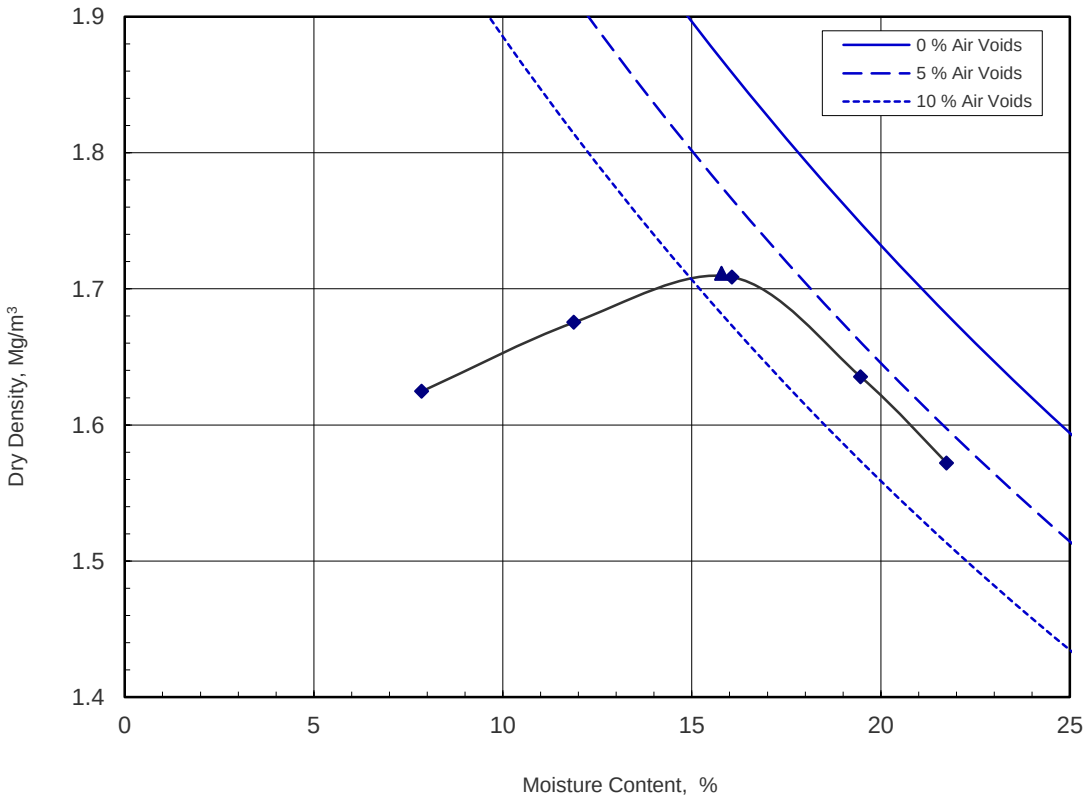
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	TP402
Depth (m)	1.00-1.50
Sample Type	B

Description:

Dark brown clayey SAND with much fine to coarse gravel.

Preparation		Air dried
Test Method		2.5kg Rammer for soils with some coarse gravel-size particles
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	9
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	1.71
Optimum Moisture Content	%	15.8



Determination		1	2	3	4	5
Moisture Content	%	7.9	11.9	16.1	19.5	21.7
Dry Density	Mg/m³	1.62	1.68	1.71	1.64	1.57

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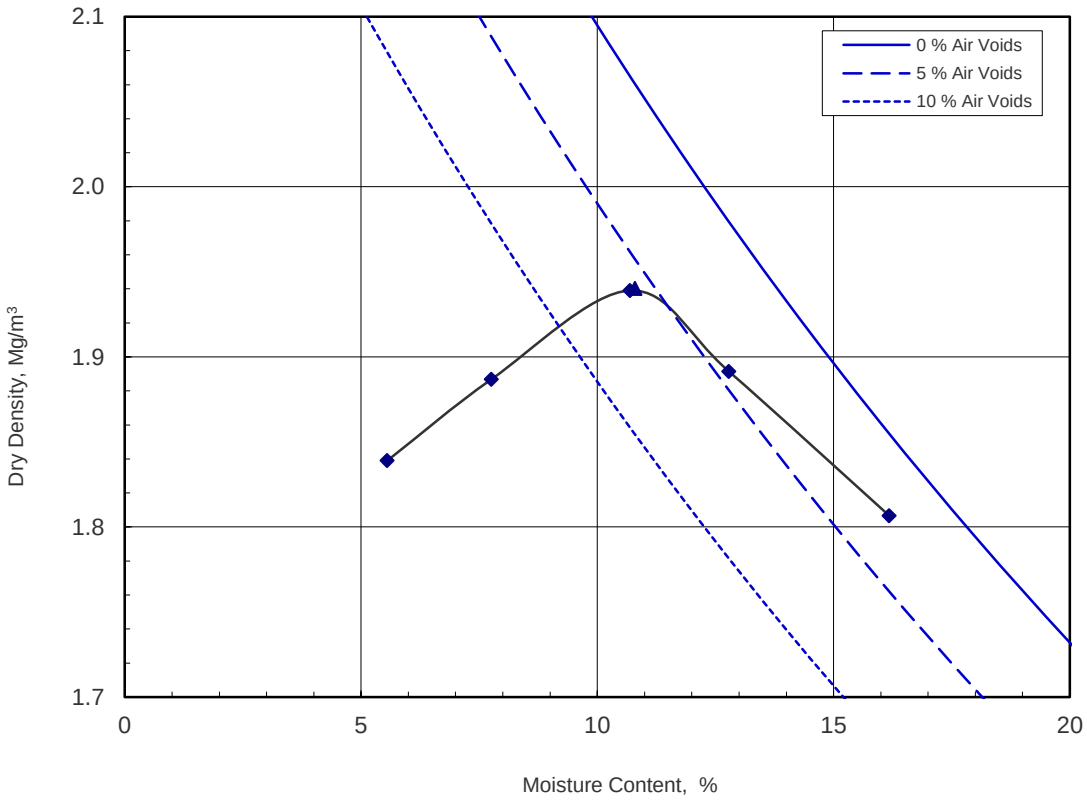
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	TP404
Depth (m)	1.00-1.50
Sample Type	B

Description:

Brown clayey SAND with some fine to medium gravel.

Preparation		Air dried
Test Method		2.5kg Rammer for soils with particles up to medium-gravel size
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	0
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	1.94
Optimum Moisture Content	%	10.8



Determination		1	2	3	4	5
Moisture Content	%	5.6	7.8	10.7	12.8	16.2
Dry Density	Mg/m³	1.84	1.89	1.94	1.89	1.81

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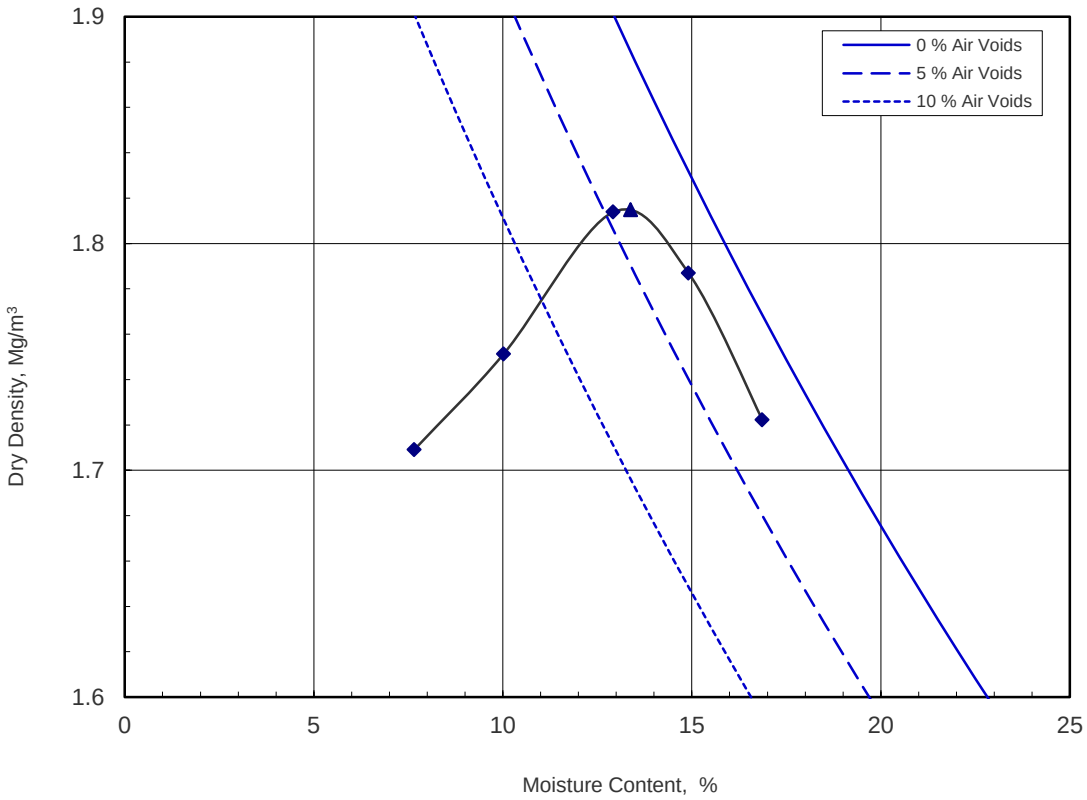
MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

Location	TP405
Depth (m)	2.00-2.50
Sample Type	B

Description:

Dark brown clayey sandy fine to coarse GRAVEL.

Preparation		Air dried
Test Method		2.5kg Rammer for soils with some coarse gravel-size particles
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	9
Mass Retained on 20.0 mm Sieve	%	12
Particle Density - Assumed	Mg/m³	2.52
Maximum Dry Density	Mg/m³	1.81
Optimum Moisture Content	%	13.4



Determination		1	2	3	4	5
Moisture Content	%	7.7	10.0	12.9	14.9	16.9
Dry Density	Mg/m³	1.71	1.75	1.81	1.79	1.72

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BS1377:Part 4:1990 Clause 3.4

MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

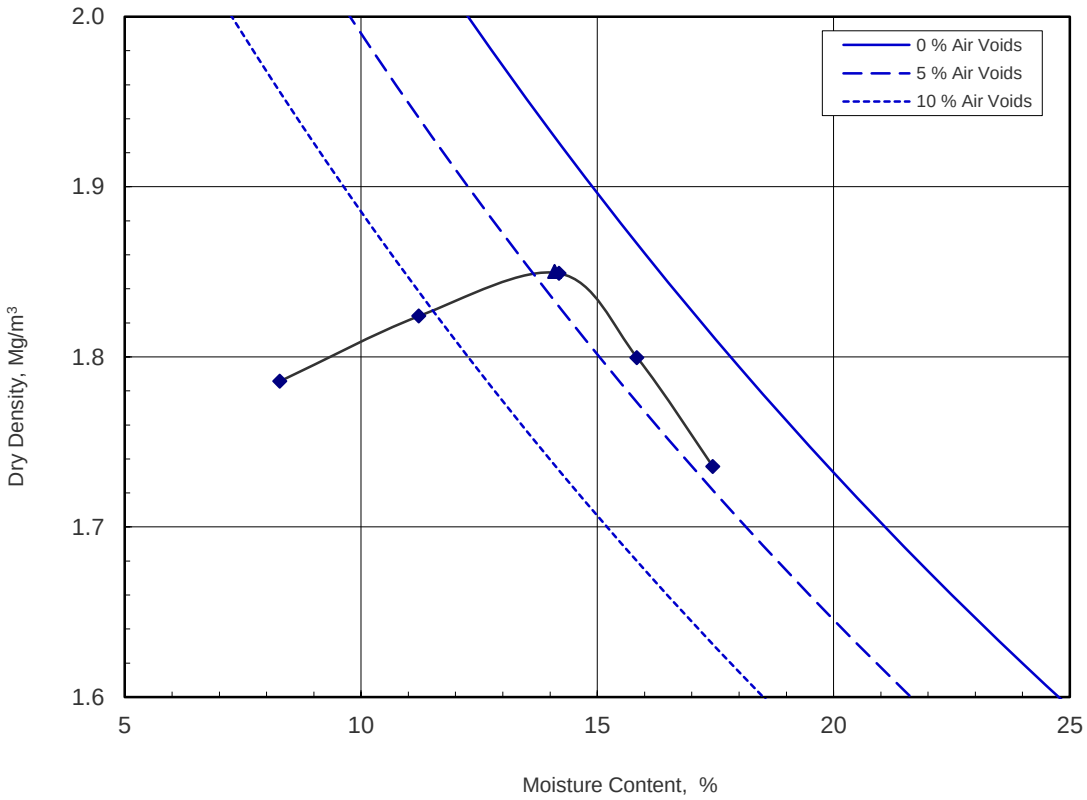
Location	TP409
Depth (m)	1.10-1.20
Sample Type	B

Description:

Orangish brown very clayey SAND with some fine to coarse gravel and one cobble.

Cobble removed prior to sample preparation.

Preparation		Air dried
Test Method		2.5kg Rammer for soils with some coarse gravel-size particles
Samples Used		Single
Mass Retained on 37.5 mm Sieve	%	0
Mass Retained on 20.0 mm Sieve	%	3
Particle Density - Assumed	Mg/m³	2.65
Maximum Dry Density	Mg/m³	1.85
Optimum Moisture Content	%	14.1



Determination		1	2	3	4	5
Moisture Content	%	8.3	11.2	14.2	15.8	17.4
Dry Density	Mg/m³	1.79	1.82	1.85	1.80	1.74

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Test Report By GEOLABS Limited Unit D3 HRS Business Park, Granby Avenue, Birmingham, B33 0SJ

Client : RoC Consulting, Commercial Wharf, 6 Commercial Street, Manchester, M15 4PZ

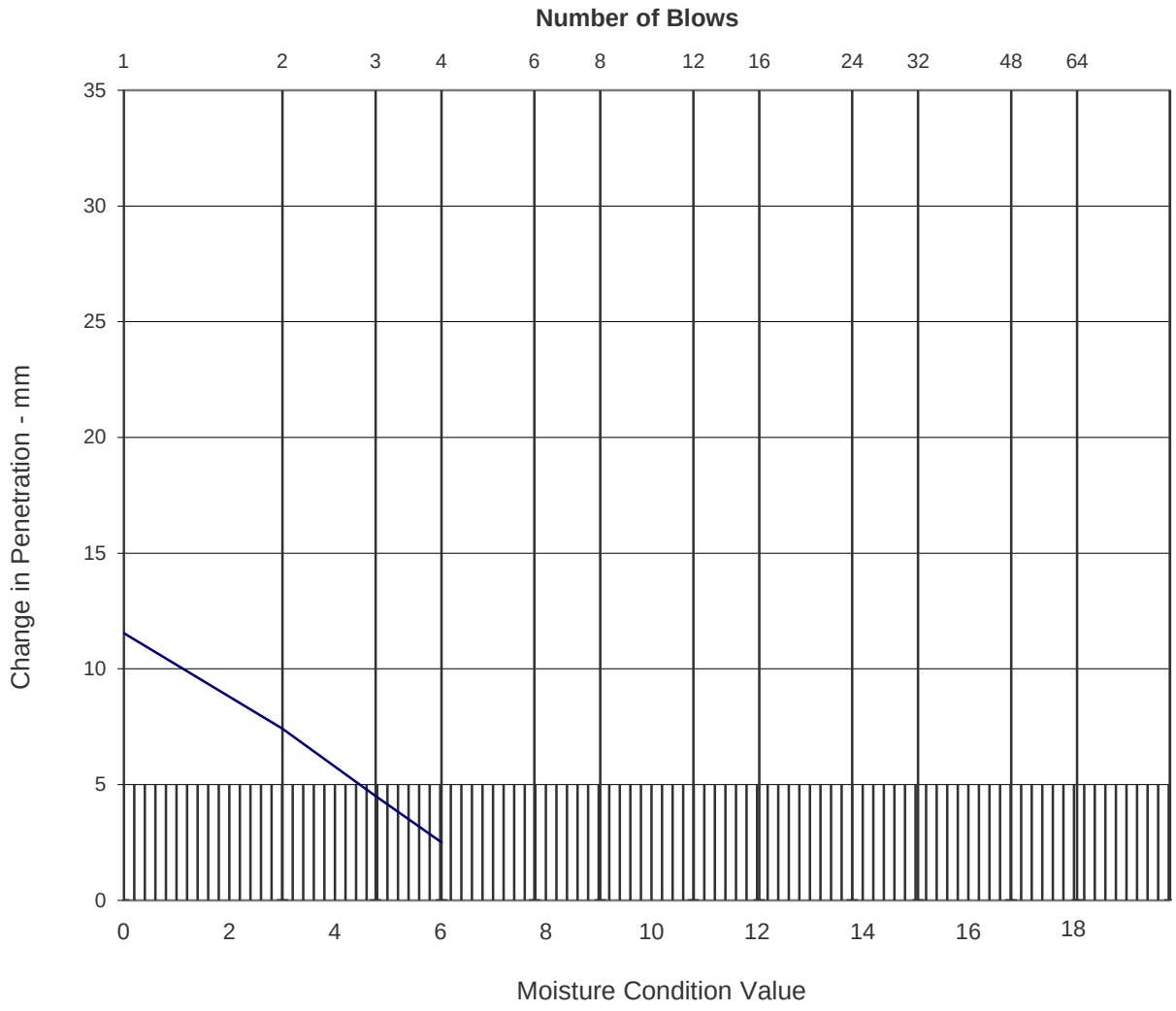
(Ref 1605007444)

BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	BH301
Sample Ref	B4
Depth (m)	1.20
Sample Type	B

Description:
Orangish brown slightly clayey sandy fine to coarse GRAVEL.



Material retained on 20mm test sieve	%	23.0				
Determination No		1				
Moisture condition value		4.4				
Moisture content	%	27.2				
Method of interpretation of the test curve		Best-fit line				

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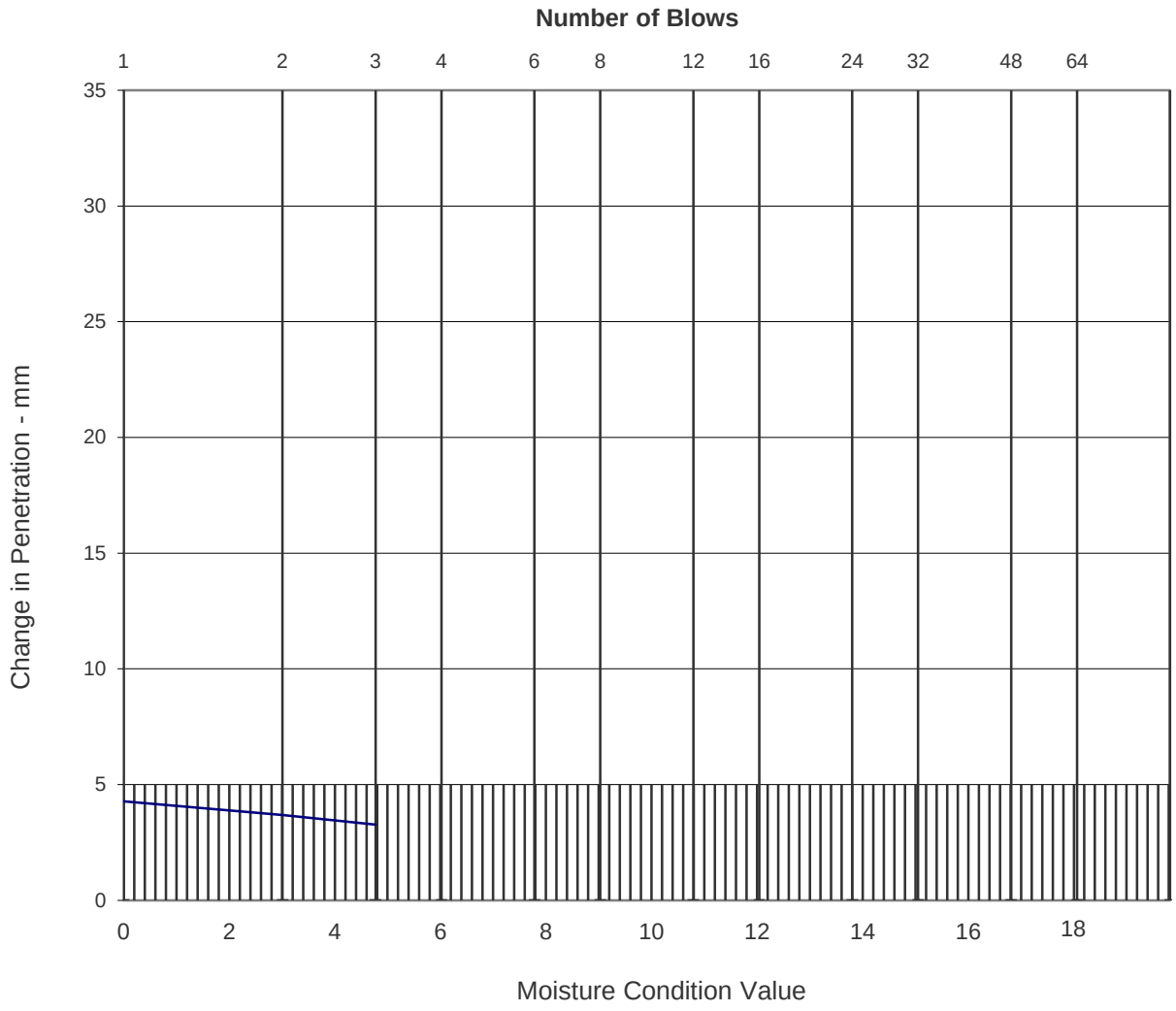
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BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	BH302
Sample Ref	B4
Depth (m)	1.20
Sample Type	B

Description:
Dark grey clayey very sandy fine to coarse GRAVEL.



Material retained on 20mm test sieve	%	0.2				
Determination No		1				
Moisture condition value		Unable to assess				
Moisture content	%	16.7				
Method of interpretation of the test curve		Best-fit line				

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Project Number:

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Project Name:

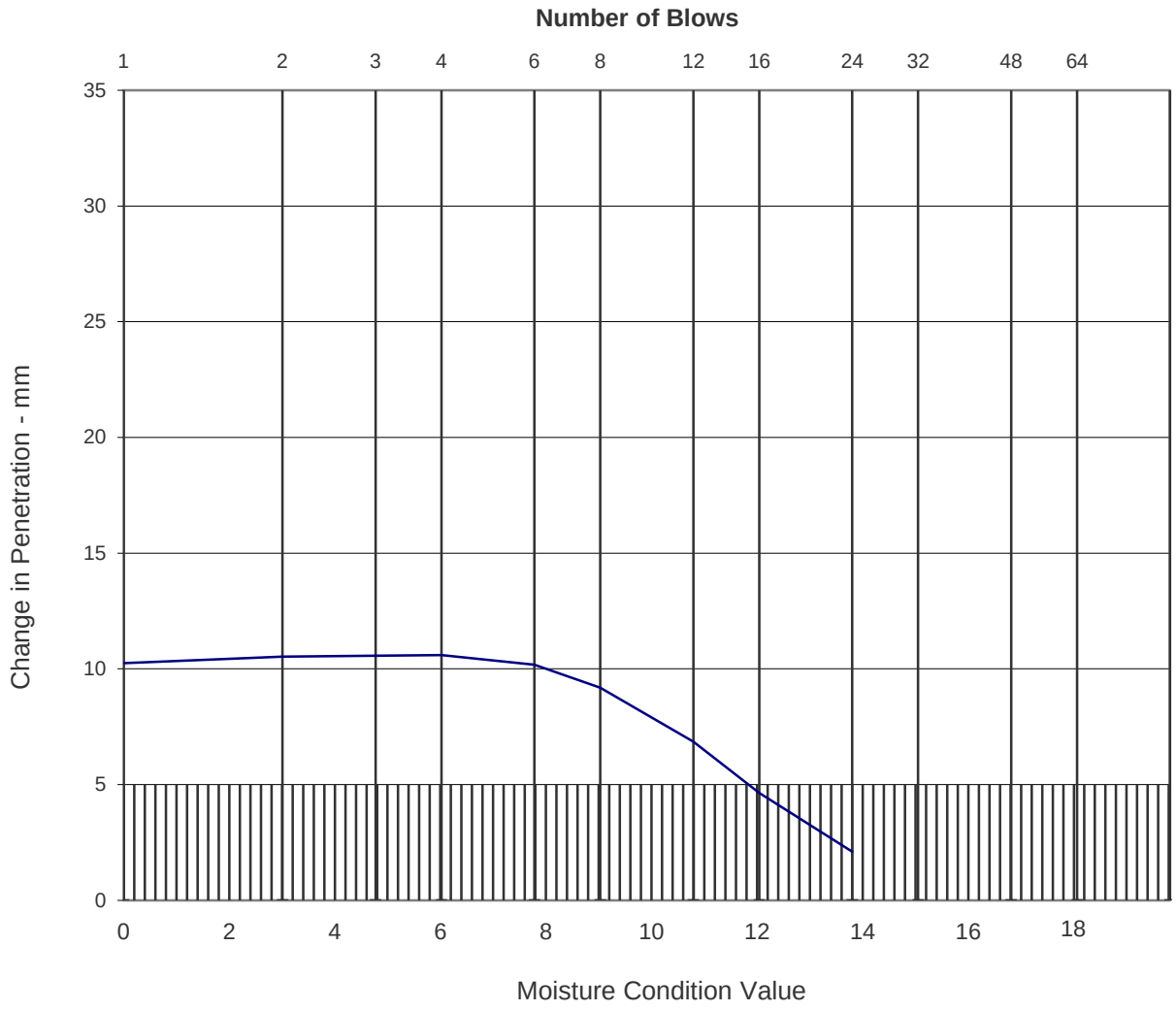
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BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	BH303
Sample Ref	B2
Depth (m)	0.60
Sample Type	B

Description:
Light brown clayey sandy fine to coarse GRAVEL.



Material retained on 20mm test sieve	%	1.5				
Determination No		1				
Moisture condition value		11.8				
Moisture content	%	7.9				
Method of interpretation of the test curve		Steepest fit line				

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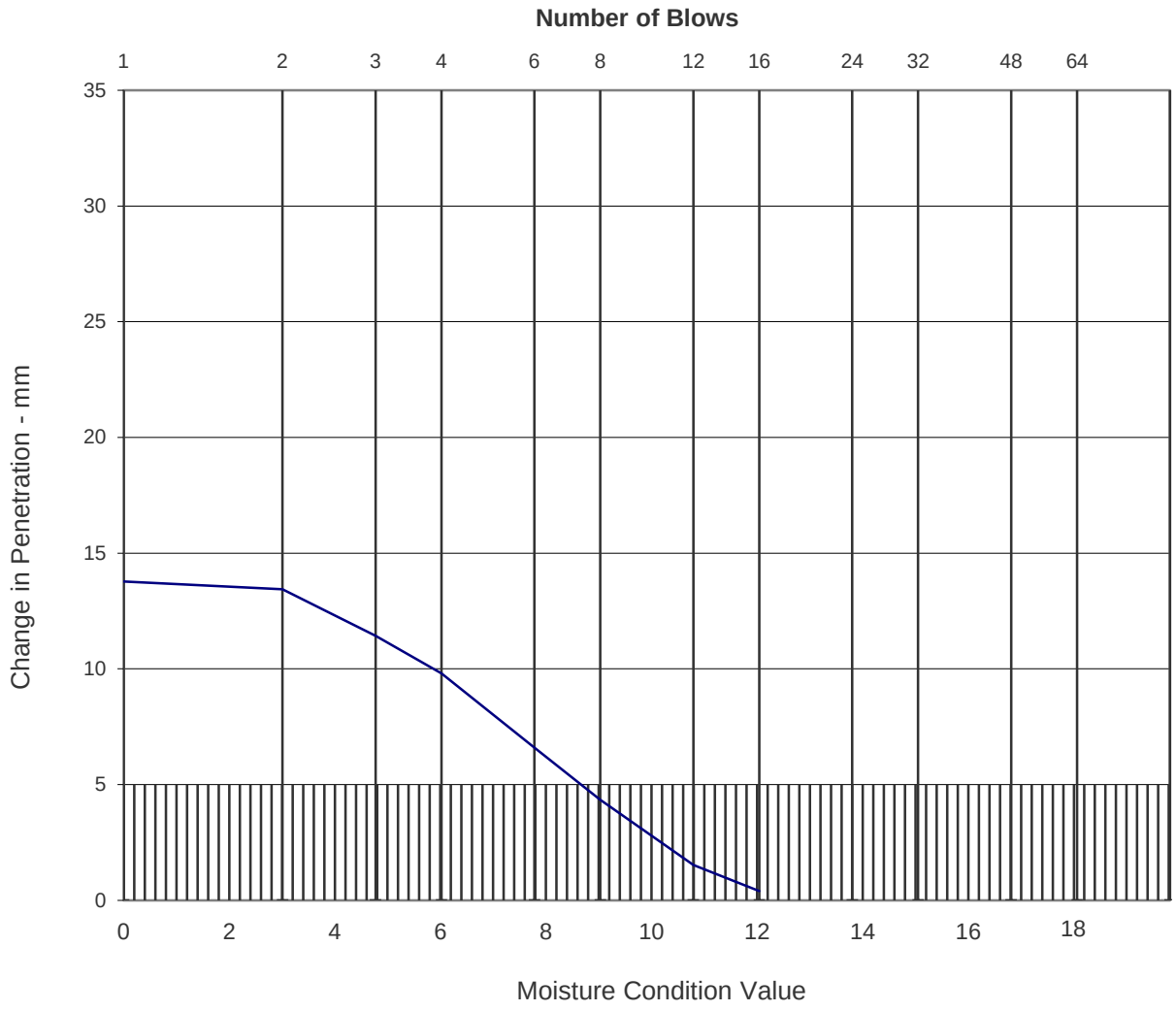
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BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	BH401
Sample Ref	B3
Depth (m)	1.50
Sample Type	B

Description:
Dark brown clayey sandy fine to coarse GRAVEL.



Material retained on 20mm test sieve	%	2.5				
Determination No		1				
Moisture condition value		8.6				
Moisture content	%	18.2				
Method of interpretation of the test curve		Best-fit line				

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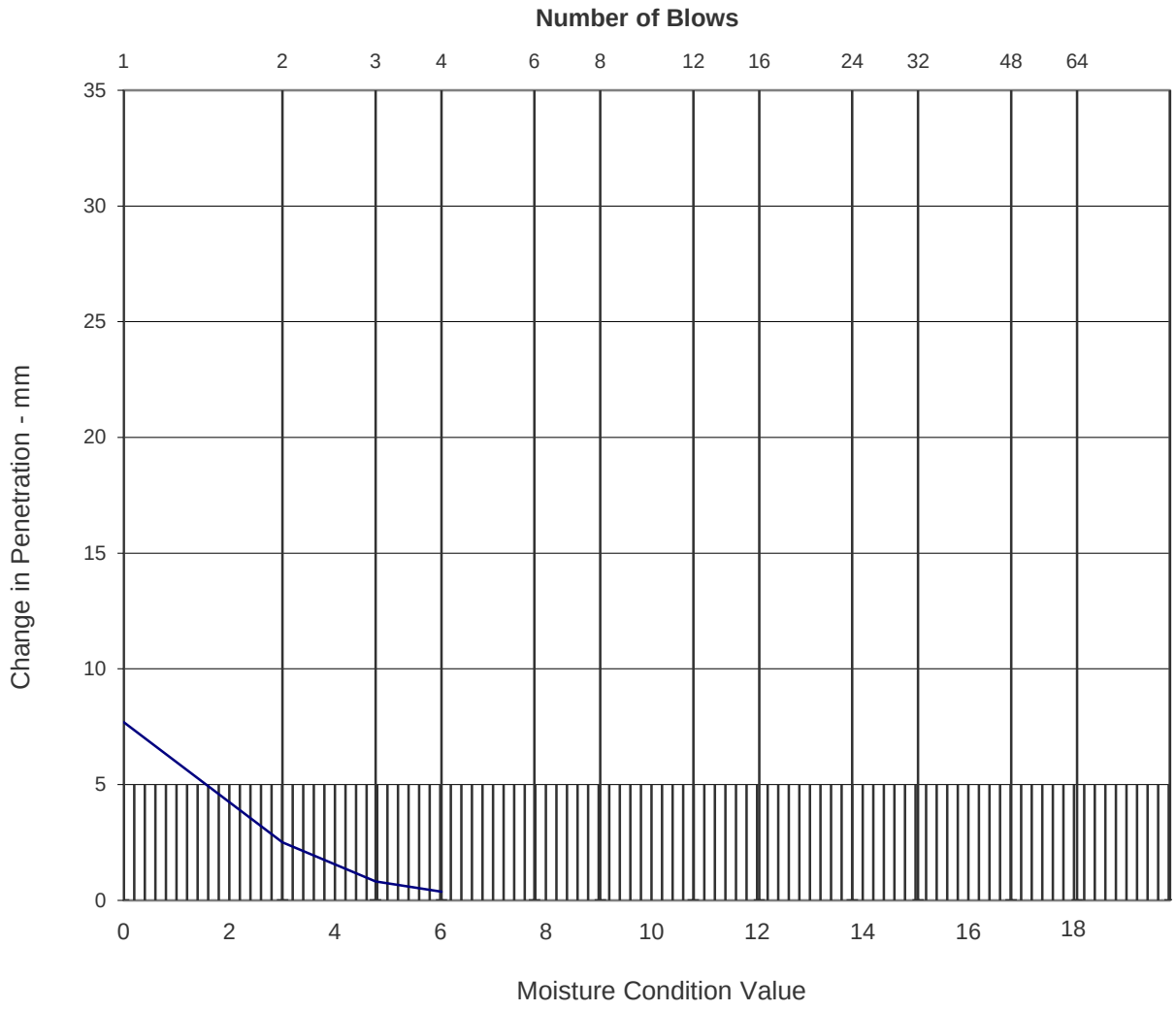
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BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	BH402
Sample Ref	B4
Depth (m)	1.20
Sample Type	B

Description:
Reddish brown slightly clayey sandy fine to coarse GRAVEL.



Material retained on 20mm test sieve	%	3.7				
Determination No		1				
Moisture condition value		1.6				
Moisture content	%	22.9				
Method of interpretation of the test curve		Steepest fit line				

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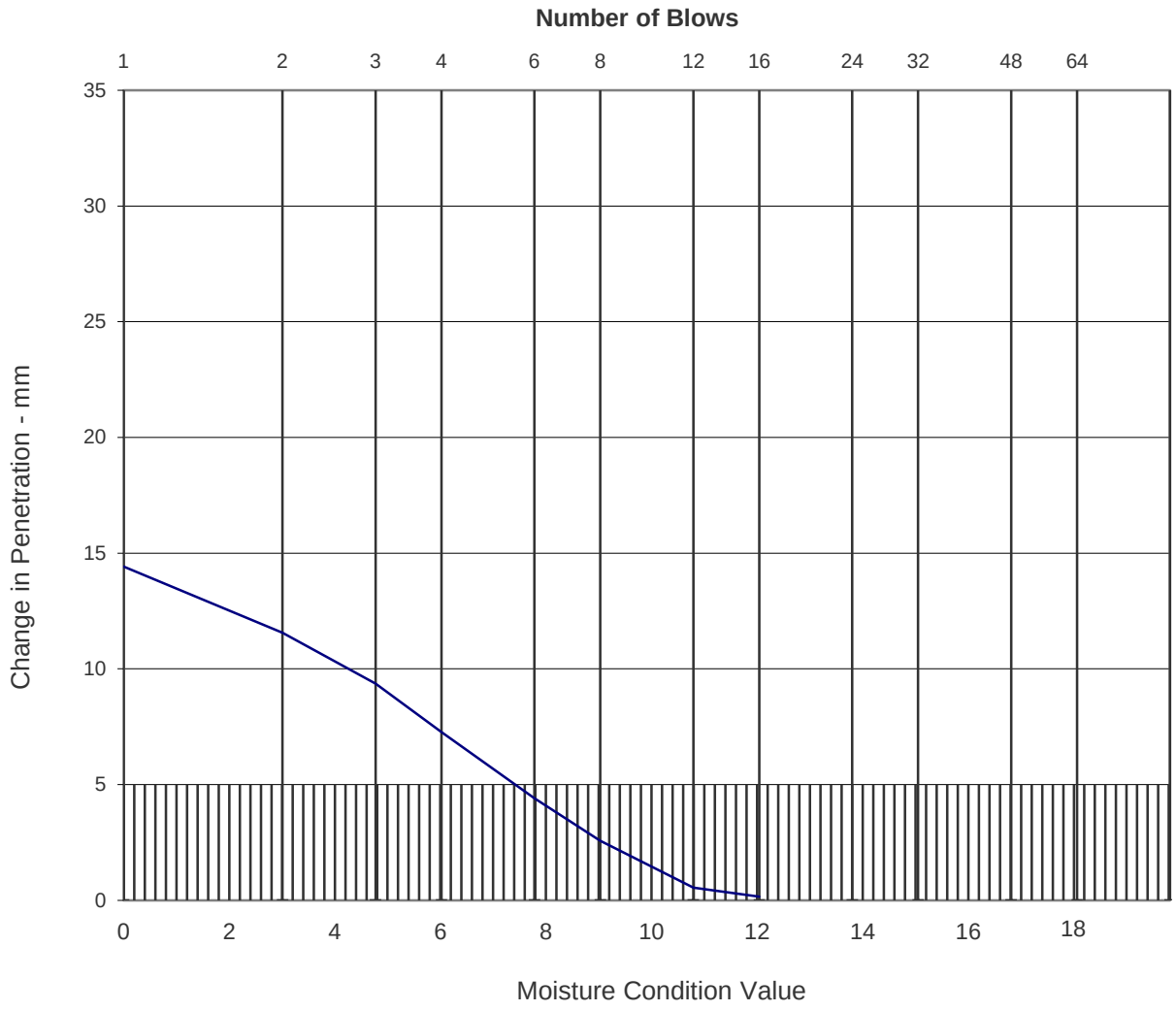
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BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	BH403
Sample Ref	B4
Depth (m)	1.20
Sample Type	B

Description:
Reddish brown very sandy CLAY with some fine to coarse gravel.



Material retained on 20mm test sieve	%	1.6				
Determination No		1				
Moisture condition value		7.4				
Moisture content	%	11.5				
Method of interpretation of the test curve		Steepest fit line				

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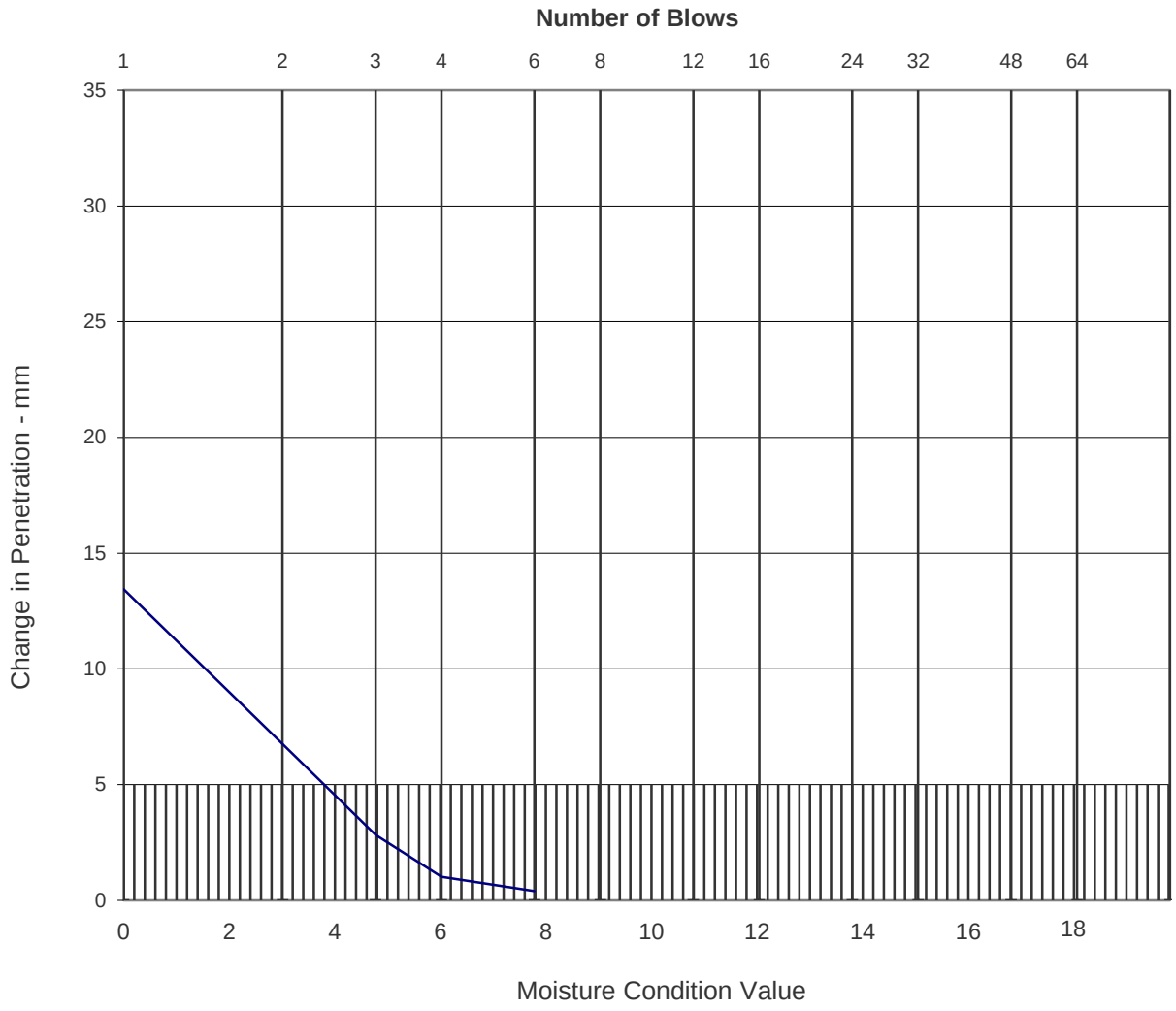
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BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	TP302
Depth (m)	2.00
Sample Type	B

Description:
Brown very clayey SAND with rare fine to medium gravel.



Material retained on 20mm test sieve	%	0.0				
Determination No		1				
Moisture condition value		3.8				
Moisture content	%	20.8				
Method of interpretation of the test curve		Steepest fit line				

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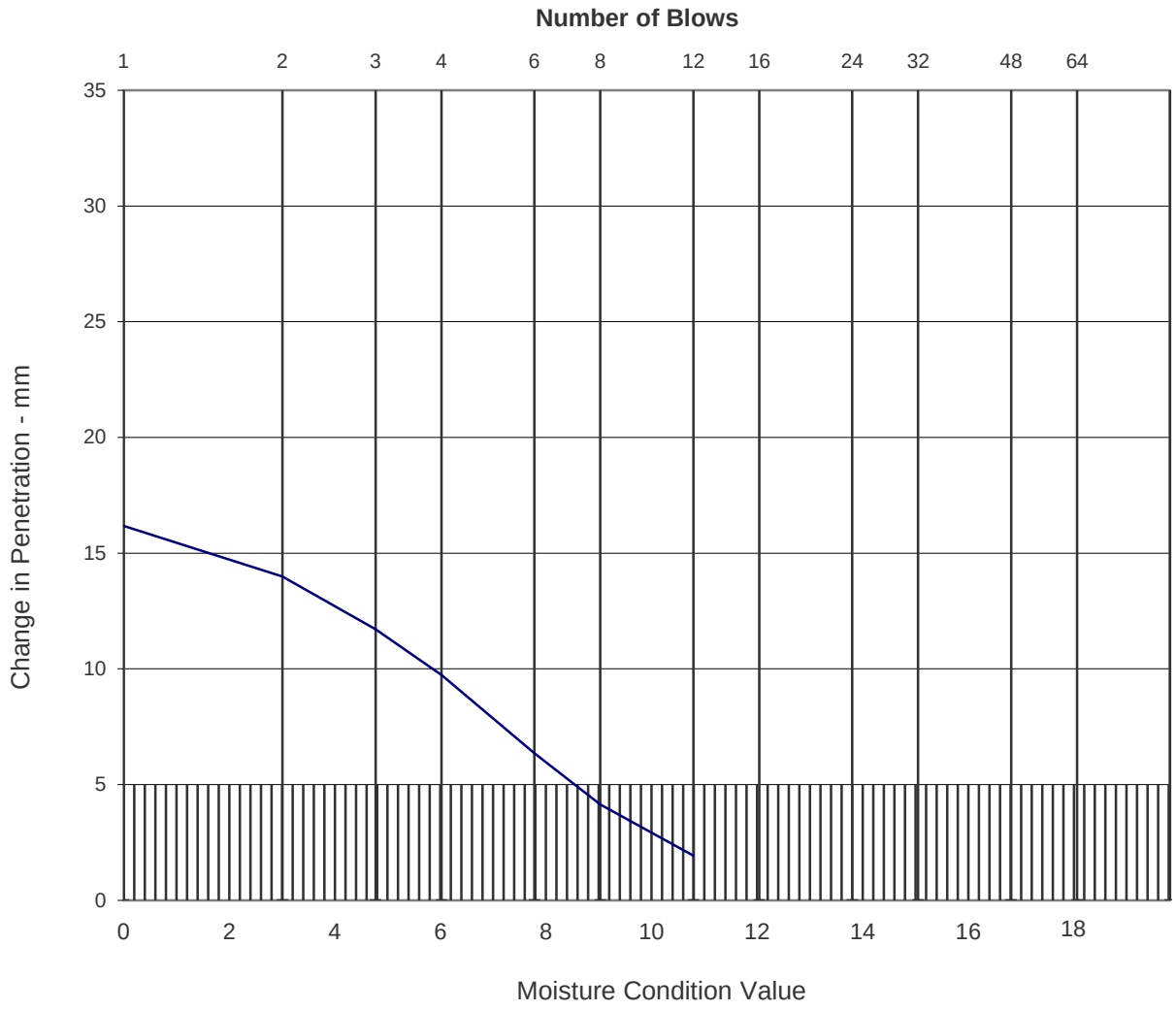
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BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	TP303
Depth (m)	1.60
Sample Type	B

Description:
Dark grey sandy CLAY with much fine to coarse gravel.



Material retained on 20mm test sieve	%	4.7				
Determination No		1				
Moisture condition value		8.5				
Moisture content	%	23.2				
Method of interpretation of the test curve		Steepest fit line				

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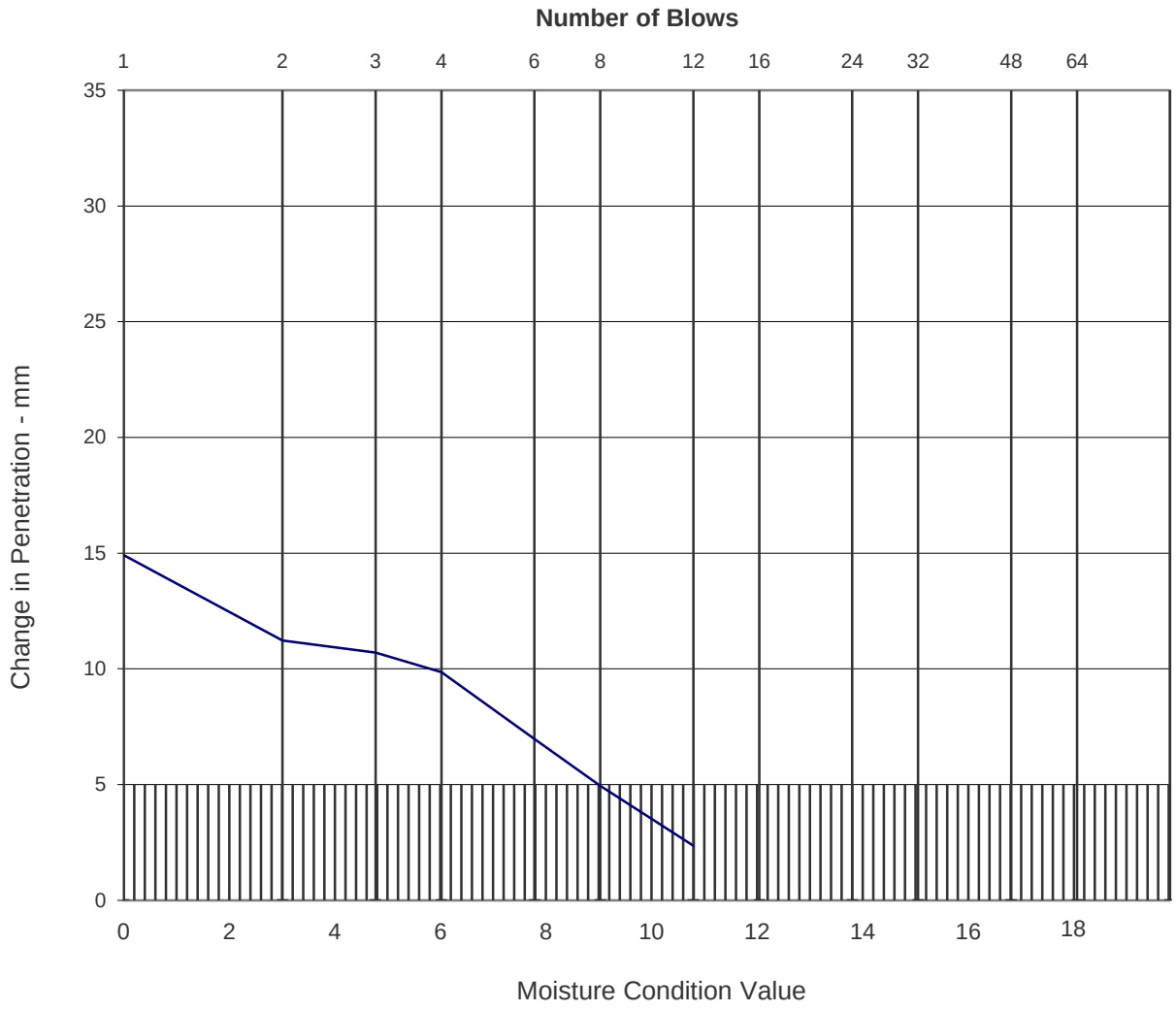
BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	TP304
Depth (m)	1.70
Sample Type	B

Description:

Brown slightly clayey sandy fine to coarse GRAVEL with a single cobble.



Material retained on 20mm test sieve	%	57.9				
Determination No		1				
Moisture condition value		9.0				
Moisture content	%	20.8				
Method of interpretation of the test curve		Steepest fit line				

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J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO/31876

Project Name:

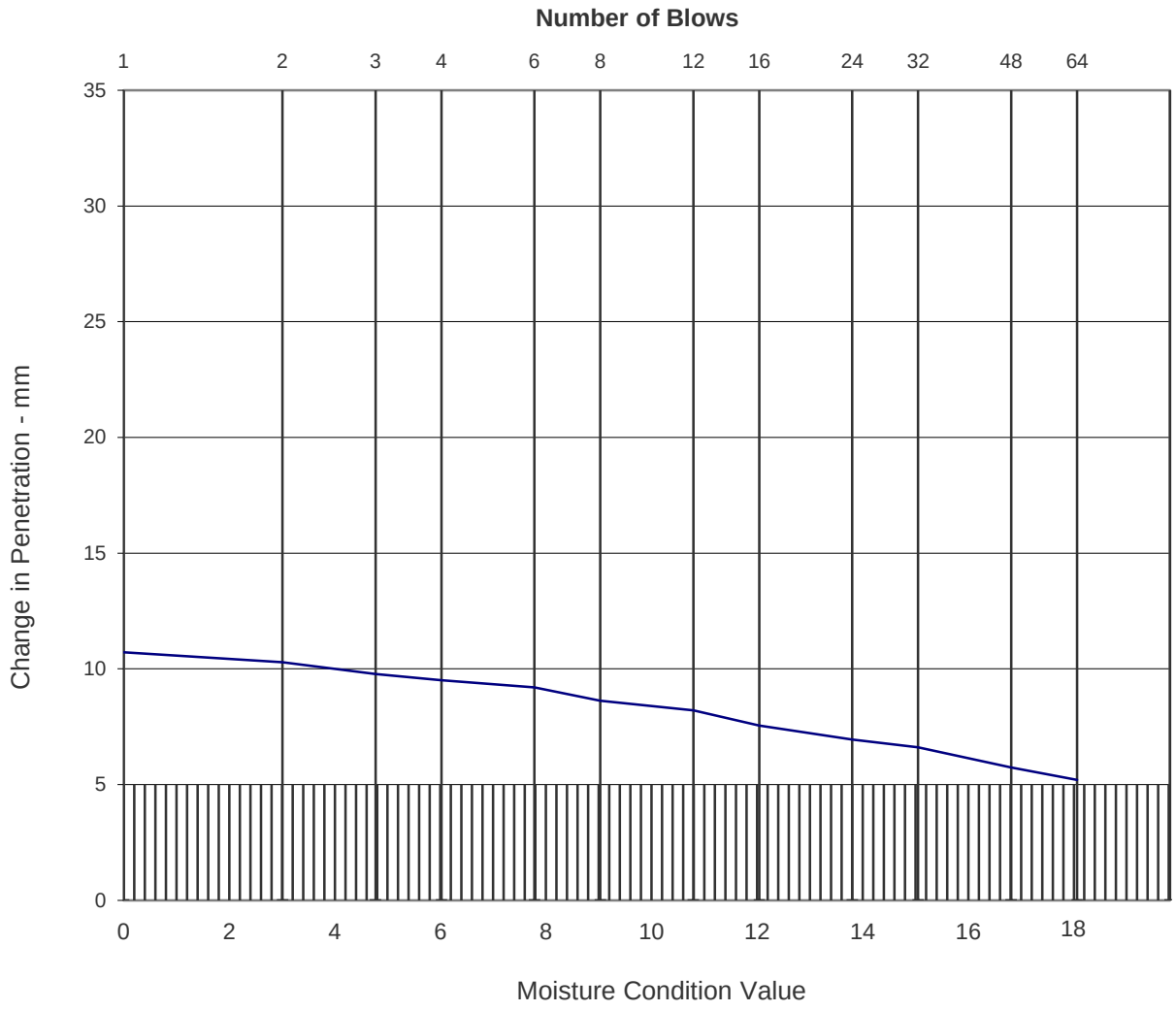
MAYFIELD
4153

BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	TP308
Depth (m)	1.70
Sample Type	B

Description:
Dark brown slightly clayey sandy fine to coarse GRAVEL with a single cobble.



Material retained on 20mm test sieve	%	34.1				
Determination No		1				
Moisture condition value		19.1				
Moisture content	%	15.7				
Method of interpretation of the test curve		Best-fit line				

Checked and Approved by:

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:
GEO/31876

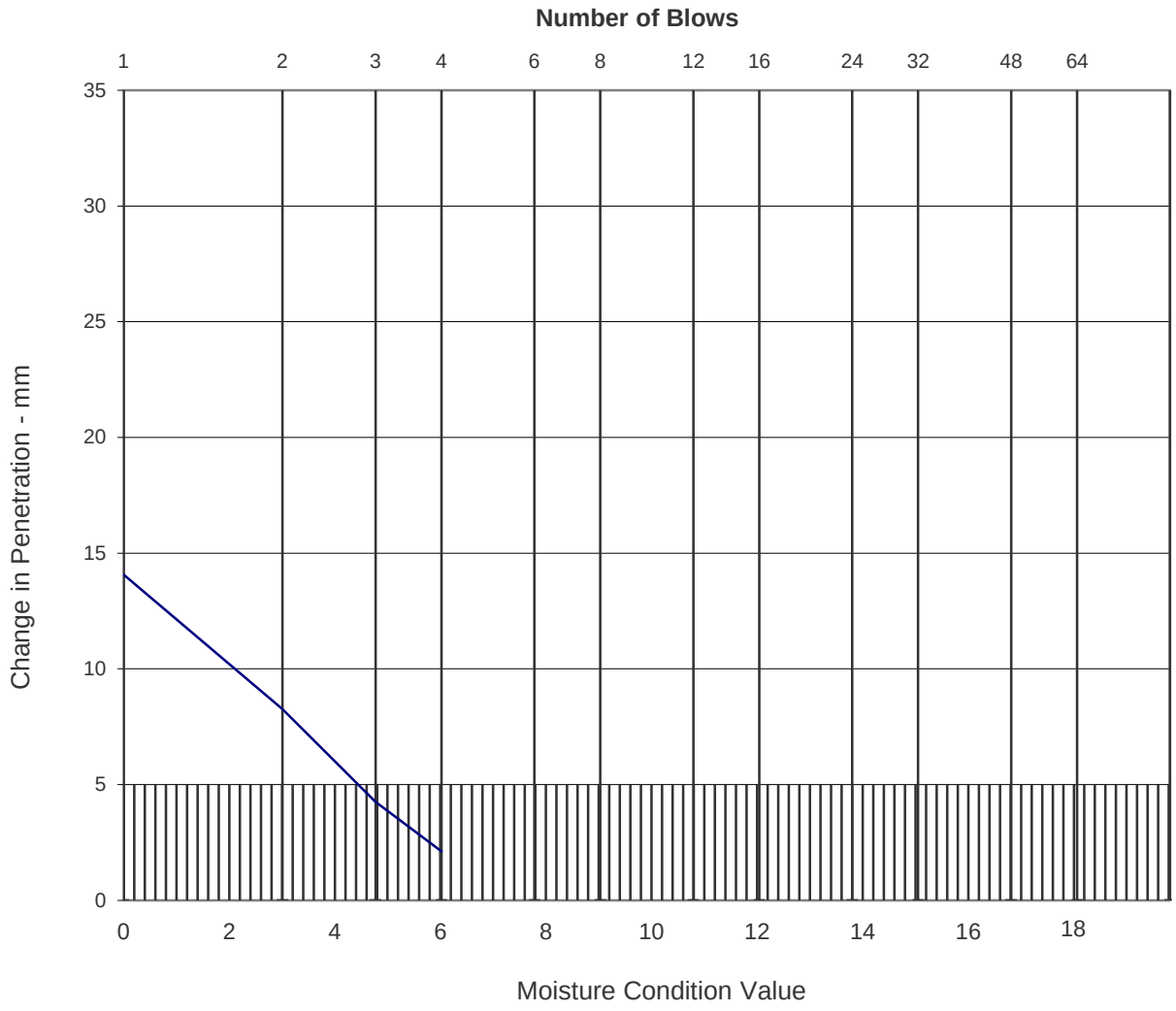
Project Name:
MAYFIELD
4153

BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	TP309
Depth (m)	1.50
Sample Type	B

Description:
Brown sandy CLAY.



Material retained on 20mm test sieve	%	0.0				
Determination No		1				
Moisture condition value		4.6				
Moisture content	%	20.0				
Method of interpretation of the test curve		Best-fit line				

Checked and Approved by:

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO/31876

Project Name:

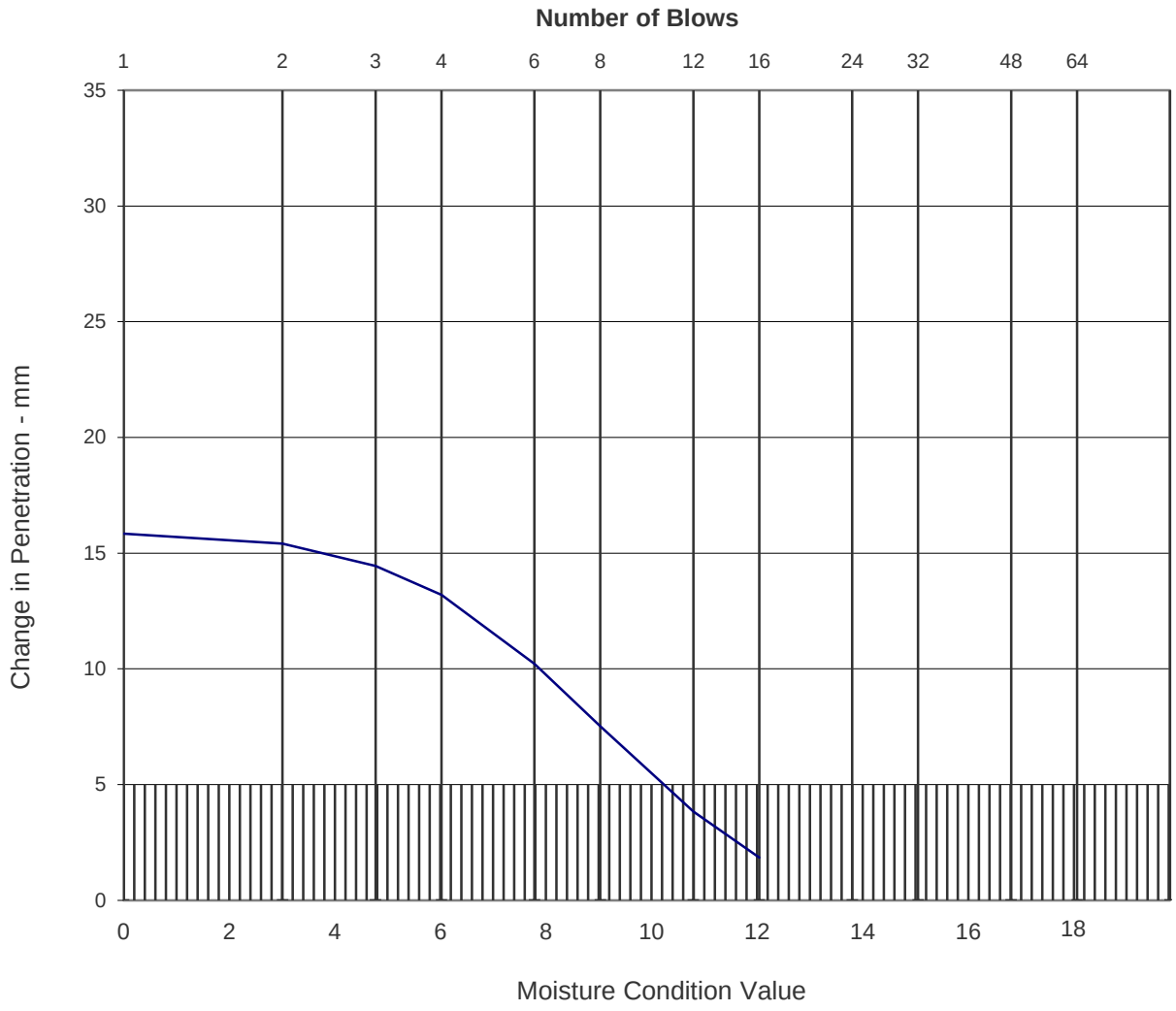
MAYFIELD
4153

BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	TP402
Depth (m)	1.00
Sample Type	B

Description:
Dark brown clayey SAND with much fine to coarse gravel.



Material retained on 20mm test sieve	%	12.4				
Determination No		1				
Moisture condition value		10.2				
Moisture content	%	20.4				
Method of interpretation of the test curve		Steepest fit line				

Checked and Approved by:

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO/31876

Project Name:

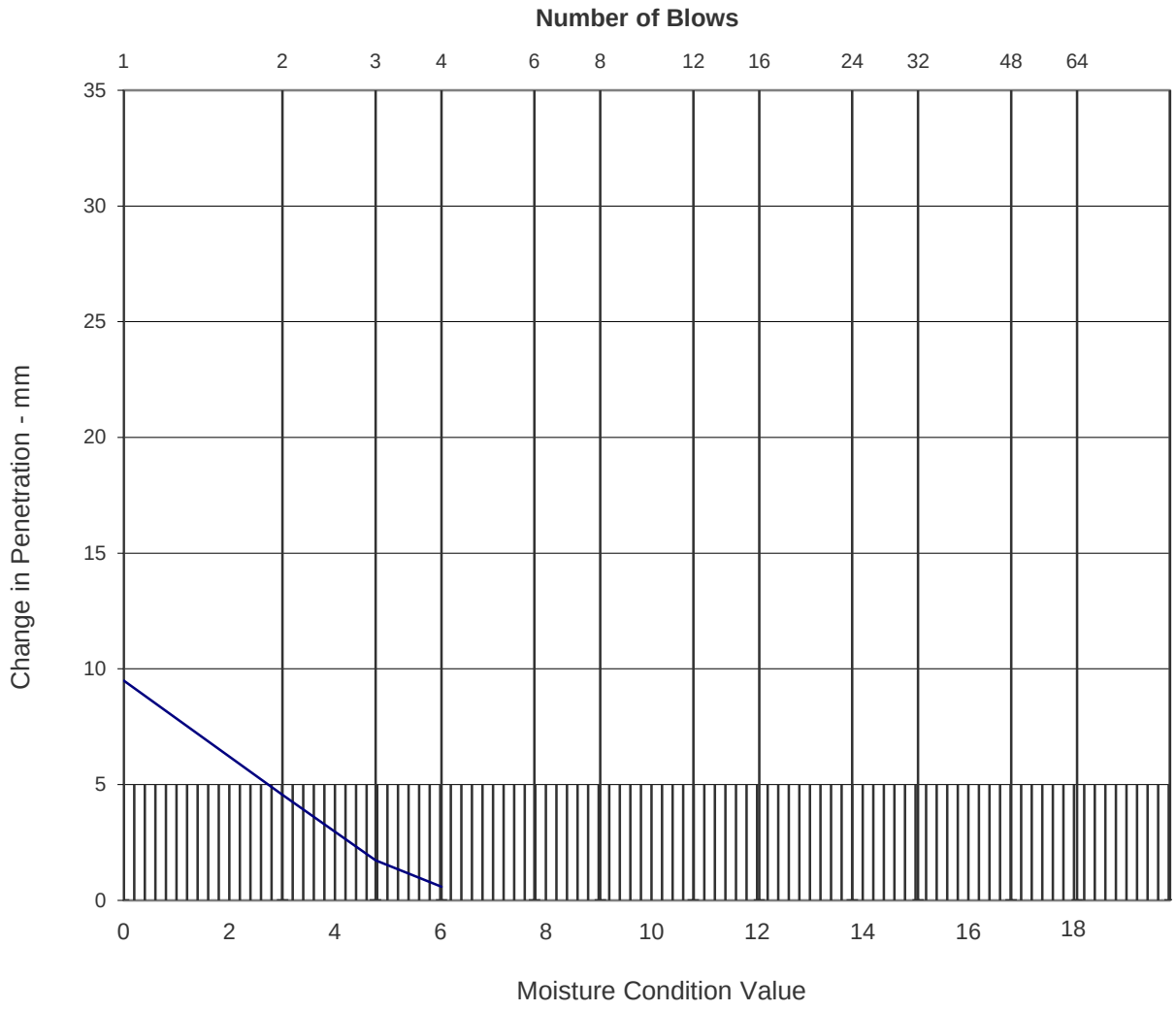
MAYFIELD
4153

BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	TP404
Depth (m)	1.00
Sample Type	B

Description:
Brown clayey SAND with some fine to medium gravel.



Material retained on 20mm test sieve	%	0.0				
Determination No		1				
Moisture condition value		2.9				
Moisture content	%	16.1				
Method of interpretation of the test curve		Best-fit line				

Checked and Approved by:

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO/31876

Project Name:

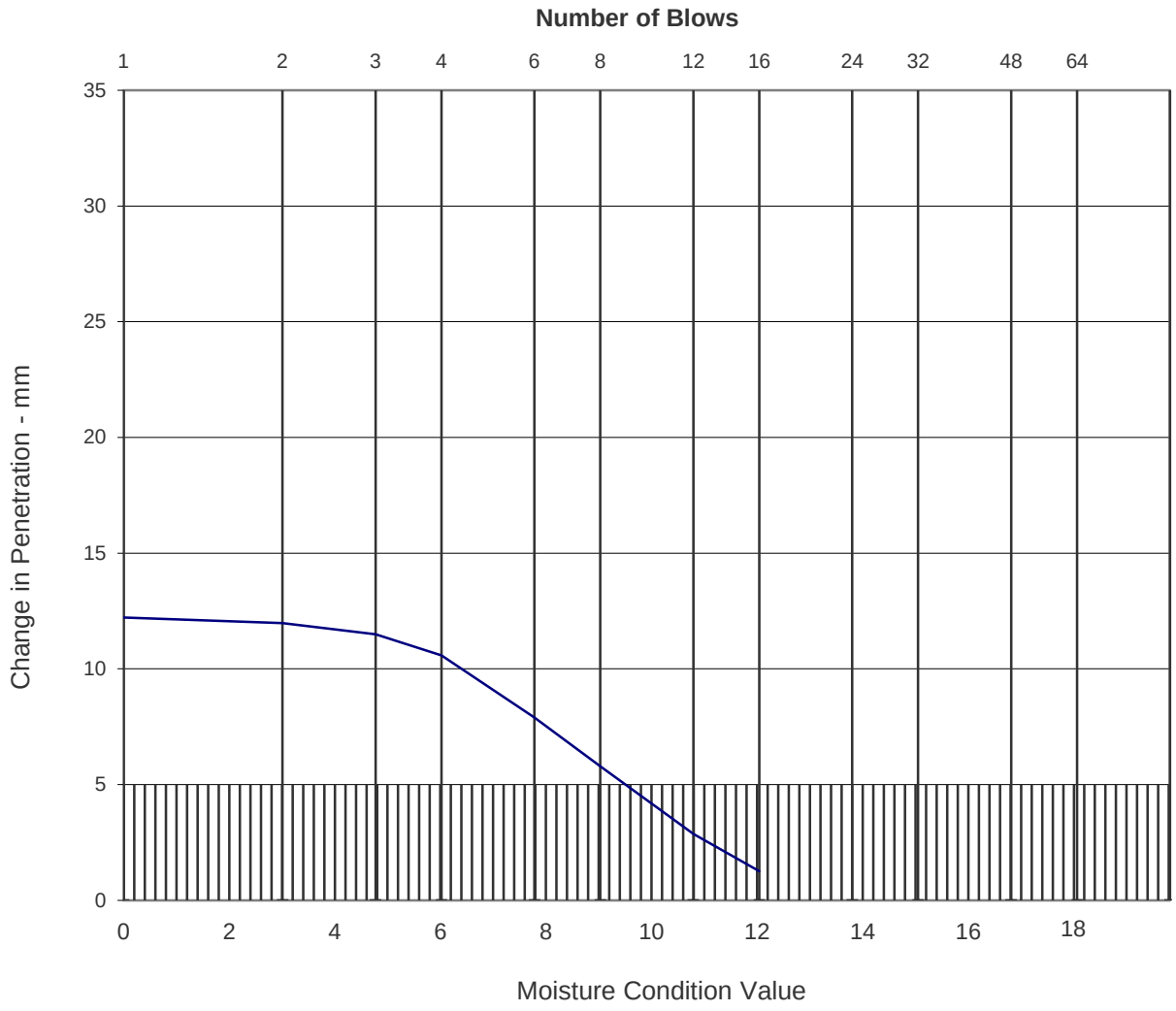
MAYFIELD
4153

BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	TP405
Depth (m)	2.00
Sample Type	B

Description:
Dark brown clayey sandy fine to coarse GRAVEL.



Material retained on 20mm test sieve	%	21.0				
Determination No		1				
Moisture condition value		9.5				
Moisture content	%	16.7				
Method of interpretation of the test curve		Steepest fit line				

Checked and Approved by:

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO/31876

Project Name:

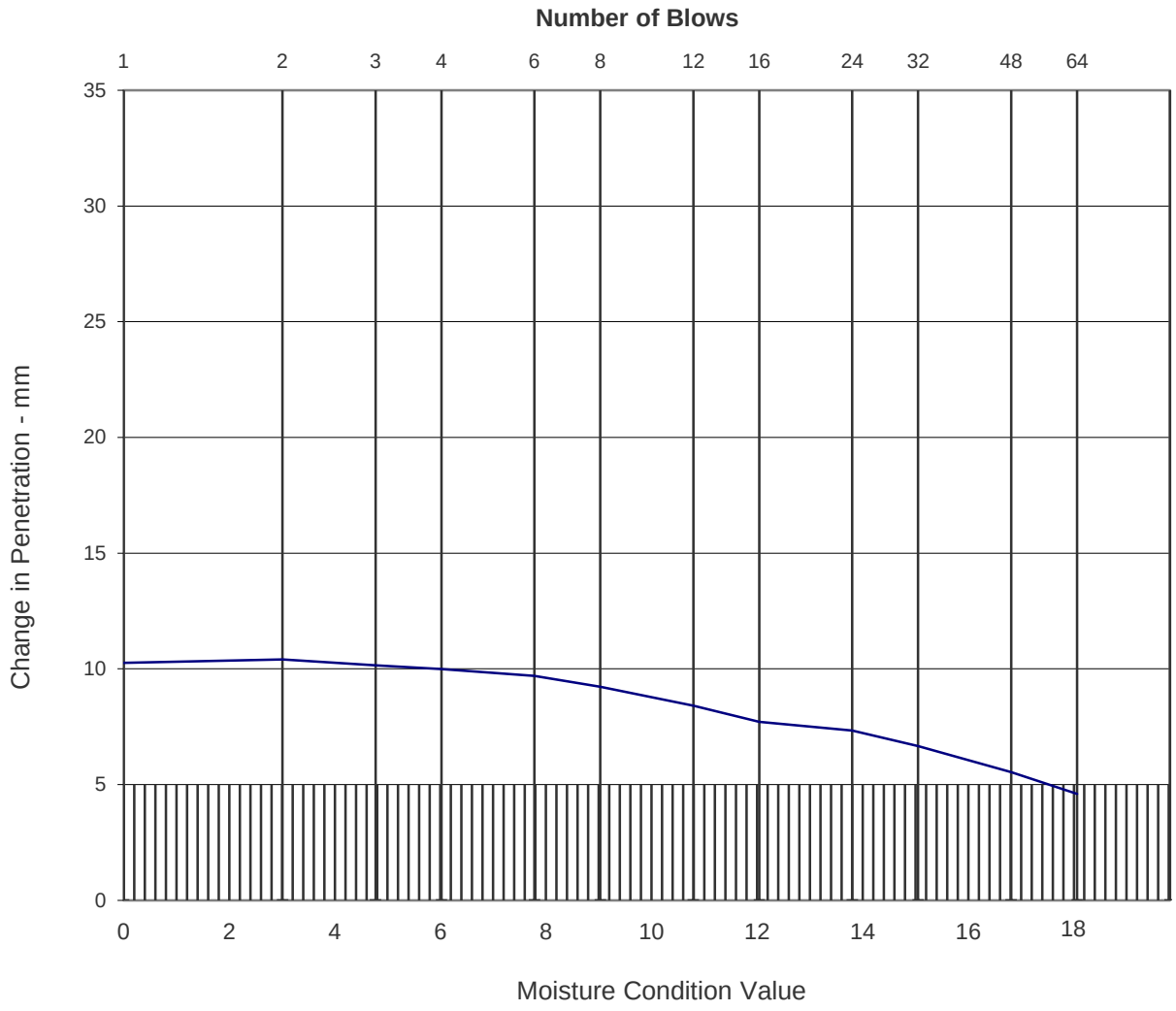
MAYFIELD
4153

BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	TP406
Depth (m)	0.50
Sample Type	B

Description:
Brown slightly clayey sandy fine to coarse GRAVEL.



Material retained on 20mm test sieve	%	39.8				
Determination No		1				
Moisture condition value		17.8				
Moisture content	%	12.8				
Method of interpretation of the test curve		Best-fit line				

Checked and Approved by:

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO/31876

Project Name:

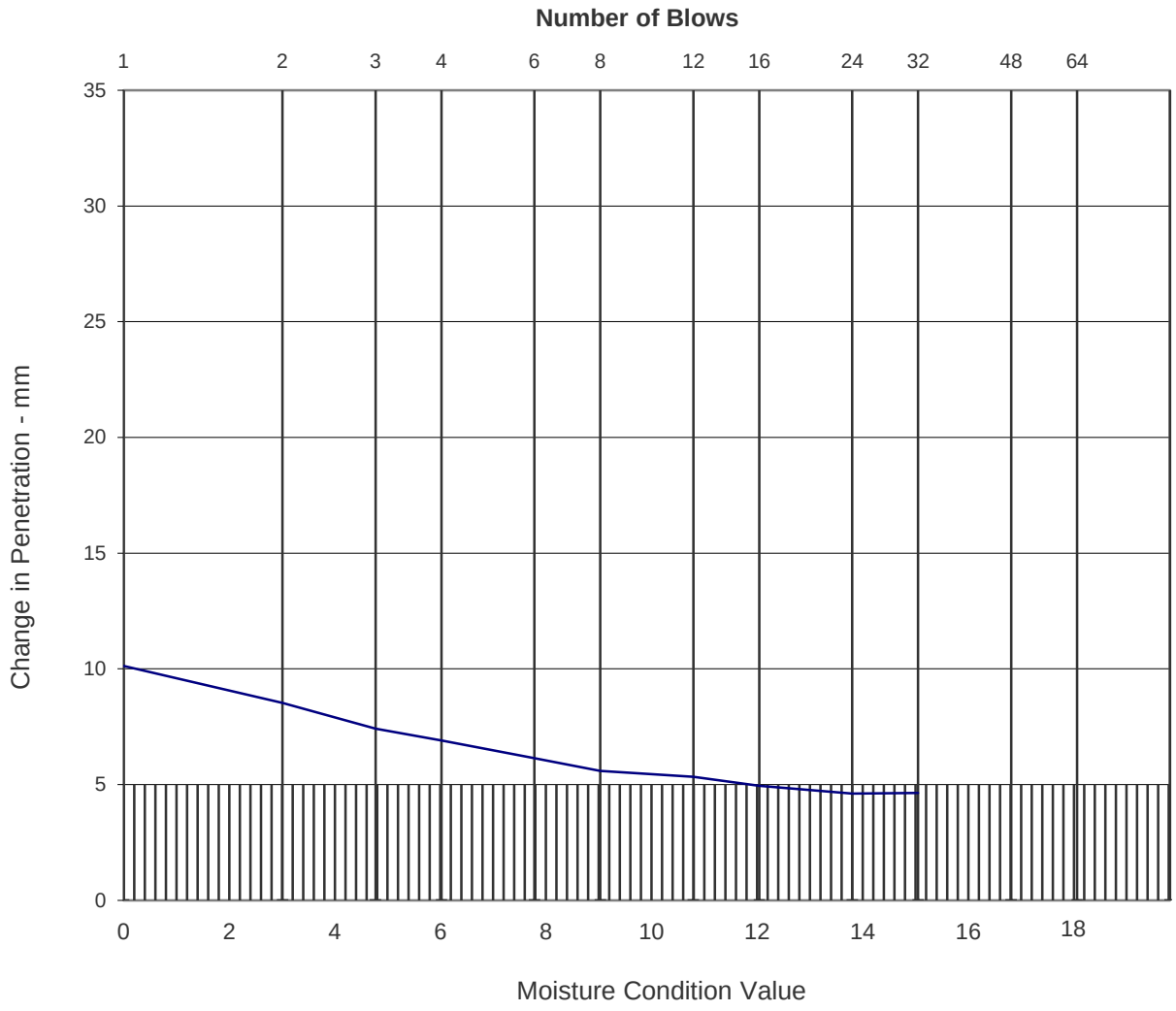
MAYFIELD
4153

BS1377:Part 4:1990 Clause 5.4

MOISTURE CONDITION VALUE

Location	TP409
Depth (m)	1.10
Sample Type	B

Description:
Orangish brown clayey SAND with much fine to coarse gravel with a single cobble.



Material retained on 20mm test sieve	%	8.5				
Determination No		1				
Moisture condition value		12.0				
Moisture content	%	10.6				
Method of interpretation of the test curve		Best-fit line				

Checked and Approved by:

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO/31876

Project Name:

MAYFIELD
4153

BS EN ISO 17892-8 : 2018

UNCONSOLIDATED UNDRAINED TRIAXIAL COMPRESSION

Location	BH302
Sample Ref	U8
Depth (m)	3.00-3.50
Sample Type	U

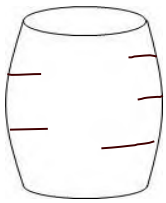
Description:

Soft brown and dark grey mottled sandy CLAY.

Specimen Details

Specimen conditions		Undisturbed
Length	(mm)	201.9
Diameter	(mm)	105.9
Moisture content	(%)	21.2
Bulk density	(Mg/m³)	2.00
Dry density	(Mg/m³)	1.65
Test Details		
Latex membrane thickness	(mm)	0.3
Specimen height prior to shearing	(mm)	198.5
Membrane correction	(kPa)	1.1
Mean rate of shear	(%/min)	2.0
Cell pressure	(kPa)	60
Strain at failure	(%)	19.8
Maximum deviator stress	(kPa)	61
Shear Stress Cu	(kPa)	31

Mode of failure



Orientation of the sample	Vertical
Distance from top of tube mm	35

Processed by DF
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

GEO / 31876

Project Name:

MAYFIELD
4153

GEOLABS

AS/P2/SOAK/mh 041220

Mr Mike Harrison
U+I
Mayfield,
The Gatehouse,
11 Baring St,
Manchester
M1 2PY

4th December 2020

To Mr Harrison,

Re: Soakaway Testing Report

Mayfield Park

Further to discussions with the flood risk and drainage design consultants Buro Happold, RoC Consulting completed a program of Soakaway testing within the proposed park in order to establish soil infiltration rates. A total of 3 test pits were completed at (or as close as site constraints would allow) to the proposed locations of soakaway pits indicated on Buro Happold drainage layout plan ref: 0042912-BHE-XX-XX-DR-C-3120.

Test pit locations and other relevant information are as follows,

Test Pit ID	Location	Easting	Northing	Current Surface Level	Proposed Invert Level	Strata at invert level
SA1	Rain Garden 1	385055.3	397609.3	34.35mAOD	33.13mAOD	Made ground (Demolition type fill material held in Sand and Gravel matrix with frequent semi intact brick inclusions)
SA2	Rain Garden 2	385127.0	397612.14	34.49mAOD	32.54mAOD	
SA3*	Rain Garden 3	385081.3	397527.17	33.18mAOD	34.06mAOD	Sandstone bedrock

* Proposed invert level for SA3 is above that of existing ground level, test taken at base of existing concrete floor slab within Sandstone bedrock

Test pit locations are indicated RoC Consulting sketch 4153 SOAK101 provided as an inclusion to this note.

Test Method & Results

Tests pits were excavated by contractors PP O'Connor's between the 25th and 26th November 2020 in accordance with the BRE 365. Pits were excavated to indicated to indicated invert levels and filled with water from a bowser 3 times with observations made on resting water levels.

Measurements of pit dimensions was taken prior to commencement of each test with water levels recorded at the start of each test, and at regular intervals throughout. A copy of the results from these measurements (including pit dimensions) has been provided as an inclusion to this note.

Contamination Analysis

Soil samples were obtained at the base of each test pit for leachate analysis at a UKAS accredited chemical testing facility against a range of determinands synonymous with previous site operations (namely Heavy Metals, Total Petroleum Hydrocarbons and Poly Aromatic Hydrocarbons). The purpose of this testing was to establish the risks of increased contaminant mobility as a result of rainwater infiltration into soils in and around proposed soakaway locations.

At the time of writing the results from this testing are still outstanding and this briefing note will be updated to reflect accordingly. However, based on the results from chemical analysis of soils across the wider Mayfield Park development we feel it is likely these soils will contain elevated levels of the abovementioned contaminants and could pose a risk to controlled waters.

In order to mitigate these risks, we would recommend consideration is given excavating and replacing soils at the base of soakaway pits until clean natural strata is encountered, and then backfilling pits to desired level with suitable permeable clean inert strata. The use of a liner system would also be prudent to seal the pit sites and prevent lateral mobilisation of contaminants the surrounding soils. Records from nearby exploratory borehole / trial pit locations indicate deeper ground conditions in the area of proposed rain gardens is as follows

Rain Garden 1: Made ground overlying Sandstone bedrock at depth circa 1.5 to 2.0m (c32.97mAOD), based on nearby borehole “WS314”

Rain Garden 2: Made ground overlying clayey silty fine to coarse sand at depth circa 1.5m (c32.92mAOD), based on nearby borehole “WS306”

In the area of Rain Garden 3 weathered Sandstone bedrock was reported at the base of the existing concrete floor slab and the need to adopt remedial measures in the construction of this pit is not considered justified, although any demolition type made ground materials encountered during the formation of the pit should be removed.

We trust the enclosed is self-explanatory and would welcome your comments on the points raised. Should any aspect require clarification please do not hesitate to get in touch.

Yours Sincerely



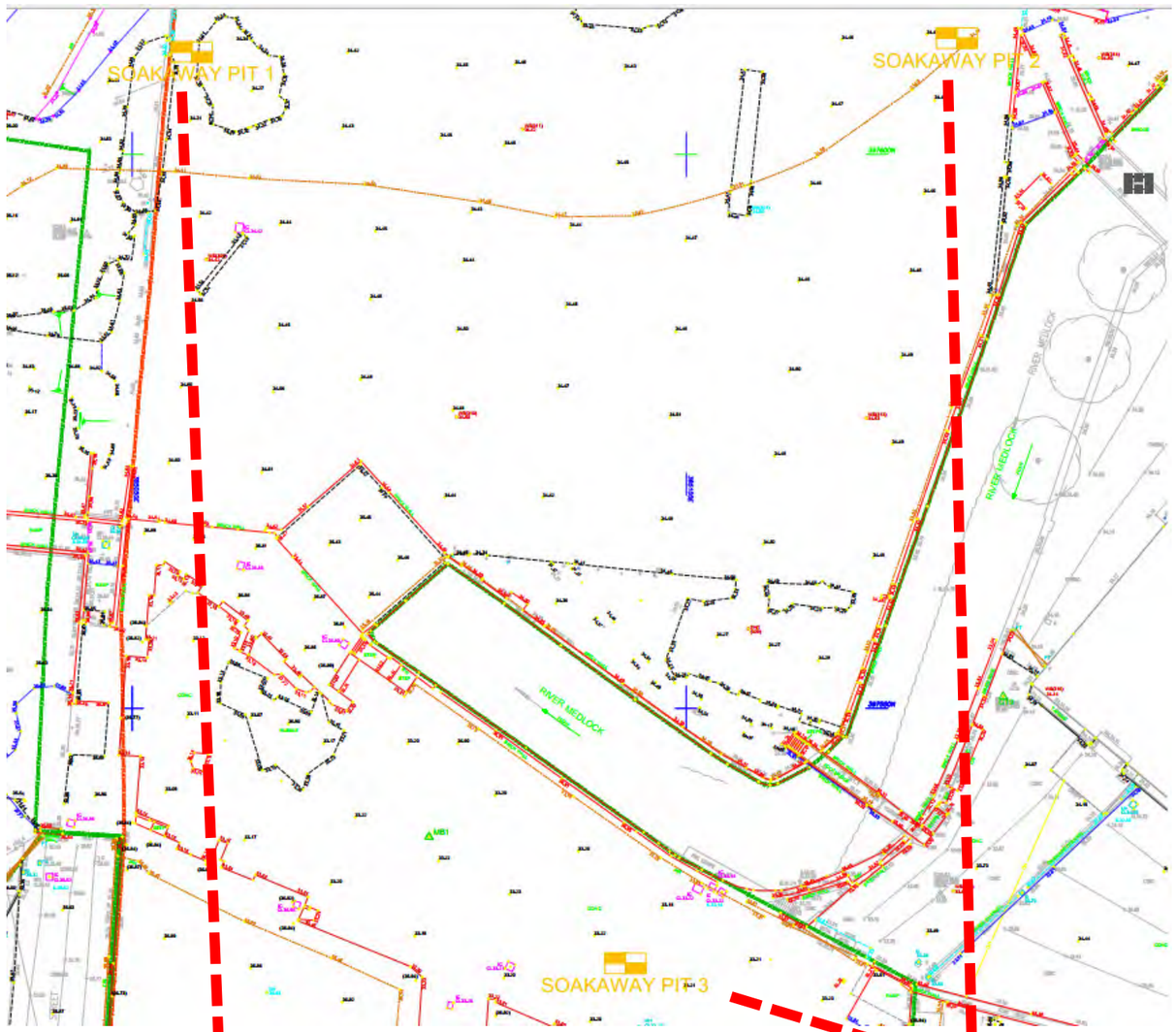
Alex Smiles

Earth Sciences Director

Enc: Drawing 4153 SOAK101 Soakaway test location plan

Soakaway test pit results & photographs

AS/P2/SOAK/mh 041220



Sketch Notes

1) Soakaway pits to be completed in accordance with BRE 365 guidance document.

2) Soil samples for leachate testing to be completed from two locations in each pit and tested for a range of determinands including Heavy Metals, PAH and TPHCWG.

3) Soakaway pit to be formed to anticipated invert level of proposed rain gardens. Any below ground structures encountered to be grubbed up and broken out and backfilled as appropriate.







JOB NO	4153	SKETCH NO	SOAK101	DRAWN BY AS 19 11 2020
PROJECT TITLE	Mayfield Park, Manchester	SKETCH TITLE	Proposed Soakway Test Locations	

Mayfield Park Soakaway Test Results

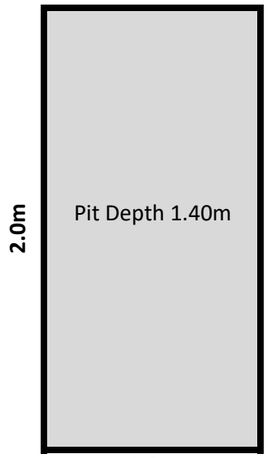
Collated by : RMG
Reviewed by : AS
04/12/2020

Soakaway Test Pit 1 (SA1)

Resting Water Level (mbgl)

SA1	Test 1	Test 2	Test 3
Start	0.55	0.52	0.56
5 sec	0.63	0.59	0.57
10 sec	0.71	0.66	0.61
15 sec	0.8	0.74	0.66
20 sec	0.88	0.83	0.69
30 sec	0.95	0.91	0.72
1 min	1.08	1.03	0.81
2 min	1.15	1.11	0.86
3 min	1.18	1.17	0.93
4 min	1.2		0.98
5 min	END	1.22	1.04
10 min			1.16
15 min			1.22
30 min			END

Pit Dimensions



Photograph of Test Pit



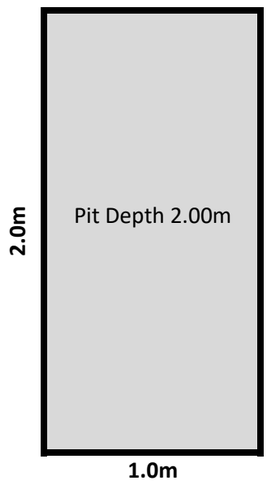
Soil sample obtained for leachate analysis in pit at depth of 1.25m

Soakaway Test Pit 2 (SA2)

Resting Water Level (mbgl)

SA2	Test 1	Test 2	Test 3
Start	0.9	0.95	0.9
5 sec	1	1.02	0.95
10 sec	1.08	1.09	0.99
15 sec	1.16	1.13	1.04
20 sec	1.25	1.2	1.098
30 sec	1.3	1.26	1.11
1 min	1.65	1.6	1.15
2 min	1.79	1.71	1.2
3 min	1.9	1.8	1.37
4 min		1.88	1.52
5 min	1.94	END	1.6
10 min			1.7
15 min			1.79
20 min			1.85
30 min			1.9

Pit Dimensions



Photograph of Test Pit



Soil sample obtained for leachate analysis in pit at depth of 1.95m

Mayfield Park Soakaway Test Results

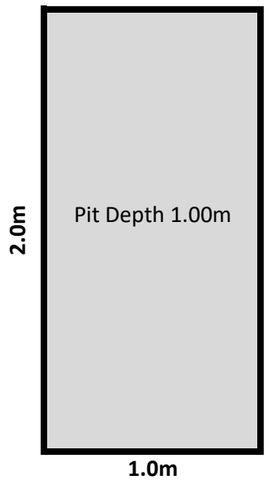
Collated by : RMG
Reviewed by : AS
04/12/2020

Soakaway Test Pit 3 (SA3)

Resting Water Level (mbgl)

SA3	Test 1	Test 2	Test 3
Start	0.1	0.12	0.1
5 sec	0.12	0.14	0.11
10 sec	0.13	0.15	0.12
15 sec	0.14	0.15	0.13
20 sec	0.15	0.16	0.14
30 sec	0.16	0.17	0.15
1 min	0.19	0.18	0.19
2 min	0.26	0.24	0.25
3 min	0.31	0.28	0.29
4 min	0.33	0.32	0.31
5 min	0.35	0.34	0.33
10 min	0.42	0.4	0.39
15 min	0.44	0.43	0.42
20 min	0.48	0.46	0.46
30 min	0.57	0.54	0.55
40 min	0.62	0.58	0.57
50 min	0.71	0.66	0.63
60 min	0.76	0.72	0.7
90 min	0.89	0.87	0.85

Pit Dimensions



Photograph of Test Pit



Soil sample obtained for leachate analysis in pit at depth of 1.00m

APPENDIX E – GROUND GAS / WATER MONITORING RESULTS

ROC CONSULTING **Civil, Structural & Environmental Engineers** Commercial Wharf, 6 Commercial St, MCR, M15 4PZ	**Job No:**	4153	**Site:**	Mayfield
	Date:	02/10/2020	**Client:**	Mayfield Partnership Ltd
	Engineer:	RM	**Equipment:**	GFM 435

	2 Days Prior	1 Day Prior	On day of Monitoring
Weather Conditions:	Cloudy, Raining	Cloudy	Cloudy
Barometric Pressure Trend:	Falling	Falling	Rising

Surface Ground Conditions:	Dry

VISIT ONE	**Start**		**Finish**	
Time:	14:15:00		**Time:**	17:40:00
Barometric Pressure:	992		**Barometric Pressure:**	991
Background Oxygen:	20.7		**Background Oxygen:**	20.8

Monitoring Point	**Gas Concentration**												**Groundwater**			
		Peak						**Steady**								
BH N°	**Flow Rate (l/h)**	**CH_4 %**	**CO_2 %**	**O_2 %**	**LEL %**	**H2S/CO (ppm)**	**Flow Rate (l/h)**	**CH_4 %**	**CO_2 %**	**O_2 %**	**LEL %**	**H2S/CO (ppm)**	**Depth to Water**	**Depth to Base**	**Head of water**	**Remarks**
NORTH OF RIVER																
WS304	Could Not Locate															
BH301	0	0	3.8	14.4	<.<<<	0/0	0	0	3.8	14.4	<.<<<	0/0	4.42	5.05	0.63	
WS314	0	0	1.8	19	<.<<<	0/0	0	0	1.8	19	<.<<<	0/0	Dry	0.98	N/A	
BH302	0	0	0.9	0.4	0	0/0	0	0	0.9	0.4	0	0/0	Dry	2.64	N/A	
WS323	0	0	9.2	0.3	0	0/0	0	0	9.2	0.3	0	0/0	Dry	2.95	N/A	
WS324	0	0	7.1	11	<.<<<	0/0	0	0	7.1	11	<.<<<	0/0	WAB	2.96	N/A	
WS325	0	0	0.4	20.5	<.<<<	0/0	0	0	0.4	20.5	<.<<<	0/0	Dry	2.98	N/A	
SOUTH OF RIVER																
BH104	0	0	1.3	19.2	<.<<<	0/0	0	0	1.3	19.2	<.<<<	0/0	Dry	7.66	N/A	
BH103	Could not access - maintenance required															
BH101	0	0	2.5	15.7	<.<<<	0/0	0	0	2.5	15.7	<.<<<	0/0	Dry	3.54	N/A	
BH102	Well Full of Water Bung Removed to Drain												2.84	7.57	4.73	
BH402	0	0	0	20.8	<.<<<	0/0	0	0	0	20.8	<.<<<	0/0	Could Not Remove Bung			
WS319	Could Not Access due to site operations															
WS320	0	0	0.1	20.5	<.<<<	0/0	0	0	0.1	20.5	<.<<<	0/0	Dry	1.05	N/A	
WS321	0	0	1.5	18.9	<.<<<	0/0	0	0	1.5	18.9	<.<<<	0/0	Dry	0.94	N/A	
BH403	0	0	1.9	18.7	<.<<<	0/0	0	0	1.9	18.7	<.<<<	0/0	Dry	3.08	N/A	
BH401	0	0	0.3	20.6	<.<<<	0/0	0	0	0.3	20.6	<.<<<	0/0	Dry	5.13	N/A	

Comments:

ROC CONSULTING **Civil, Structural & Environmental Engineers** Commercial Wharf, 6 Commercial St, MCR, M15 4PZ	**Job No:**	4153	**Site:**	Mayfield
	Date:	09/10/2020	**Client:**	Mayfield Partnership Ltd
	Engineer:	RM	**Equipment:**	GFM 435

	2 Days Prior	1 Day Prior	On day of Monitoring
Weather Conditions:			Cloudy, Raining
Barometric Pressure Trend:	Rising	Steady	Falling
Surface Ground Conditions:	Wet		

VISIT TWO	**Start**		**Finish**
Time:	13:35:00	**Time:**	15:45:00
Barometric Pressure:	1013	**Barometric Pressure:**	1009
Background Oxygen:	20.7	**Background Oxygen:**	20.6

Monitoring Point	**Gas Concentration**												**Groundwater**			
		Peak						**Steady**								
BH N°	**Flow Rate (l/h)**	**CH_4 %**	**CO_2 %**	**O_2 %**	**LEL %**	**H2S/CO (ppm)**	**Flow Rate (l/h)**	**CH_4 %**	**CO_2 %**	**O_2 %**	**LEL %**	**H2S/CO (ppm)**	**Depth to Water**	**Depth to Base**	**Head of water**	**Remarks**
NORTH OF RIVER																
WS304	**Could not locate**															
BH301	0	0	4	14.1	<<<.<	0/0	0	0	4	14.1	<<<.<	0/0	3.95	5	1.05	
WS314	0	0	0.5	20.3	<<<.<	0/0	0	0	0.5	20.3	<<<.<	0/0	Dry	0.98	N/A	
BH302	0	0	0.8	0.6	<<<.<	0/0	0	0	0.8	0.6	<<<.<	0/0	Dry	2.63	N/A	
WS323	0	0.1	9.1	0.7	2.1	0/0	0	0.1	9.1	0.7	2.1	0/0	Dry	2.95	N/A	
WS324	0	0	6.8	9.9	<<<.<	0/0	0	0	6.8	9.9	<<<.<	0/0	Dry	2.96	N/A	
WS325	0	0	0.4	20.4	<<<.<	0/0	0	0	0.4	20.4	<<<.<	0/0	Dry	2.98	N/A	
SOUTH OF RIVER																
BH104	0	0	1.2	17.9	<<<.<	0/0	0	0	1.1	17.9	<<<.<	0/0	Dry	7.66	N/A	
BH103	**Could not access**															
BH101	0	0	3	13.6	<<<.<	0/0	0	0	8.5	13.6	<<<.<	0/0	Dry	3.54	N/A	
BH102	**Could not access due to flooding**															
BH402	0	0	1.8	18.8	<<<.<	0/0	0	0	1.6	15.8	<<<.<	0/0	**Bung stuck**			
WS319	0	0	1.3	14.7	<<<.<	0/0	0	0	1.3	14.7	<<<.<	0/0	2.51	3.76	1.25	
WS320	0	0	0.3	18.4	<<<.<	0/0	0	0	0.3	18.4	<<<.<	0/0	Dry	1.04	N/A	
WS321	0	0	1.3	18.6	<<<.<	0/0	0	0	1.3	18.6	<<<.<	0/0	Dry	0.94	N/A	
BH403	0	0	1.4	18.8	<<<.<	0/0	0	0	1.4	18.8	<<<.<	0/0	Dry	3.10	N/A	
BH401	0	0	2.1	17.5	0	0/0	0	0	2.1	17.6	0	0/0	Dry	5.15	N/A	

Comments:

RoC CONSULTING **Civil, Structural & Environmental Engineers** Commercial Wharf, 6 Commercial St, MCR, M15 4PZ	**Job No:**	4153	**Site:**	Mayfield
	Date:	14/10/2020	**Client:**	Mayfield Partnership Ltd
	Engineer:	RM	**Equipment:**	GFM 435

	2 Days Prior	1 Day Prior	On day of Monitoring
Weather Conditions:	Rain/Cloud	Cloudy	Scattered Cloud
Barometric Pressure Trend:	Falling	Increasing	Increasing

Surface Ground Conditions: Dry

VISIT THREE	**Start**	**Finish**
Time:	13:15:00	17:45:00
Barometric Pressure:	1023	1021
Background Oxygen:	20.8	20.6

Monitoring Point	**Gas Concentration**												**Groundwater**			
	Peak						**Steady**									
BH N°	**Flow Rate (l/h)**	**CH_4 %**	**CO_2 %**	**O_2 %**	**LEL %**	**H2S/CO (ppm)**	**Flow Rate (l/h)**	**CH_4 %**	**CO_2 %**	**O_2 %**	**LEL %**	**H2S/CO (ppm)**	**Depth to Water**	**Depth to Base**	**Head of water**	**Remarks**
NORTH OF RIVER																
WS304	**Could Not Locate**															
BH301	0	0	3.6	14.7	<<<.<	0/0	0	0	3.6	14.7	<<<.<	0/0	4.05	5.02	0.97	
WS314	0	0	0.8	19.4	<<<.<	0/0	0	0	0.8	19.4	<<<.<	0/0	Dry	0.98	N/A	
BH302	0	0	1.3	7.9	<<<.<	0/0	0	0	1.3	7.9	<<<.<	0/0	Dry	2.63	N/A	
WS323	0	0	8.9	0	<<<.<	0/0	0	0	8.9	0	<<<.<	0/0	Dry	2.95	N/A	
WS324	0	0	6.1	10.7	<<<.<	0/0	0	0	6.1	10.7	<<<.<	0/0	Dry	2.96	N/A	
WS325	0	0	0.4	20.4	<<<.<	0/0	0	0	0.4	20.4	<<<.<	0/0	Dry	2.98	N/A	
SOUTH OF RIVER																
BH104	3.9	0	1.2	19.3	<<<.<	0/0	0	0	1.2	19.3	<<<.<	0/0	Dry	7.66	N/A	
BH103	0	0	0.6	19.5	<<<.<	0/0	0	0	0.6	19.5	<<<.<	0/0	Dry	4.8	N/A	
BH101	0	0	2.7	18.4	<<<.<	0/0	0	0	2.7	18.4	<<<.<	0/0	Dry	3.54	N/A	
BH102	**Could not Access**															
BH402	0	0	0.2	20.6	<<<.<	0/0	0	0	0.2	20.6	<<<.<	0/0	**Stuck bung**			
WS319	0	0	0	12.3	<<<.<	0/0	0	0	0	12.3	<<<.<	0/0	Dry	3.76	N/A	
WS320	0	0	0.4	19	<<<.<	0/0	0	0	0.4	19	<<<.<	0/0	Dry	1.04	N/A	
WS321	0	0	1.6	18.4	<<<.<	0/0	0	0	1.6	18.4	<<<.<	0/0	Dry	0.94	N/A	
BH403	0	0	1.9	18.3	<<<.<	0/0	0	0	1.9	18.3	<<<.<	0/0	Dry	3.1	N/A	
BH401	0	0	2.8	18.7	<<<.<	0/0	0	0	2.8	18.7	<<<.<	0/0	Dry	5.15	N/A	
BH110	0	0	0	20.7	<<<.<	0/0	0	0	0	20.7	<<<.<	0/0	4.99	12.98	7.99	
BH04B	0	0	0.3	20.4	<<<.<	0/0	0	0	0.1	20.6	<<<.<	0/0	5.04	17.55	12.51	
WS04	0	0	3.4	13.2	<<<.<	0/0	0	0	3.4	13.2	<<<.<	0/0	4.8	5.04	0.24	
BH105	0	0	0.2	19	<<<.<	0/0	0	0	0.2	19	<<<.<	0/0	4.88	11.43	6.55	
BH106	Submerged / Removed Bung												4.56	6.94	2.38	
BH03A	0	0	0.5	20.1	<<<.<	0/0	0	0	0.5	20.4	<<<.<	0/0	5.3	19.58	14.28	
BH107	Bung Missing												3.3	5.06	1.76	
BH108	0	0	4.4	9.8	<<<.<	0/0	0	0	4.4	9.8	<<<.<	0/0	4.83	9.77	4.94	

Comments:

RoC CONSULTING **Civil, Structural & Environmental Engineers** Commercial Wharf, 6 Commercial St, MCR, M15 4PZ	**Job No:**	4153	**Site:**	Mayfield
	Date:	20/10/2020	**Client:**	Mayfield Partnership Ltd
	Engineer:	RM	**Equipment:**	GFM 435

	2 Days Prior	1 Day Prior	On day of Monitoring
Weather Conditions:	Overcast	Scattered Clouds	Scattered Clouds
Barometric Pressure Trend:	Falling	Falling	Falling

Surface Ground Conditions:	Moist

VISIT FOUR	**Start**	**Finish**	
Time:	09:45:00	**Time:**	16:30:00
Barometric Pressure:	997	**Barometric Pressure:**	996
Background Oxygen:	21.0	**Background Oxygen:**	20.9

Monitoring Point	**Gas Concentration**												**Groundwater**			
		Peak						**Steady**								
BH N°	**Flow Rate (l/h)**	**CH_4 %**	**CO_2 %**	**O_2 %**	**LEL %**	**H2S/CO (ppm)**	**Flow Rate (l/h)**	**CH_4 %**	**CO_2 %**	**O_2 %**	**LEL %**	**H2S/CO (ppm)**	**Depth to Water**	**Depth to Base**	**Head of water**	**Remarks**
NORTH OF RIVER																
WS304	**Could Not Locate**															
BH301	0	0	3.6	14.6	<<<.<	0/0	0	0	3.6	14.6	<<<.<	0/0	4.1	5.02	0.92	
WS314	0	0	0.5	20.5	<<<.<	0/0	0	0	0.5	20.5	<<<.<	0/0	Dry	0.98	N/A	
BH302	0	0	2.1	5.3	<<<.<	0/0	0	0	2.1	5.3	<<<.<	0/0	Dry	2.63	N/A	
WS323	-3.5	0.3	8.2	0	6.7	0/0	0	0.3	8.2	0	6.7	0/0	Dry	2.95	N/A	
WS324	0	0	4.6	14.1	<<<.<	0/0	0	0	4.6	14.1	<<<.<	0/0	Dry	2.96	N/A	
WS325	0	0	1.4	19.4	<<<.<	0/0	0	0	1.4	19.4	<<<.<	0/0	Dry	2.98	N/A	
SOUTH OF RIVER																
BH104	0	0	1.7	17.9	<<<.<	0/0	0	0	1.7	17.9	<<<.<	0/0	Dry	7.66	N/A	
BH103	3	0	4.3	7.7	<<<.<	0/0	0	0	4.3	7.7	<<<.<	0/0	Dry	4.8	N/A	
BH101	-3.7	0	2.5	15.9	<<<.<	0/0	0	0	2.5	15.9	<<<.<	0/0	Dry	3.54	N/A	
WS101	**Could Not Locate**															
BH102	0	0	0.7	16.6	<<<.<	0/0	0	0	0.7	16.6	<<<.<	0/0	Dry	7.55	N/A	
BH402	0	0	0	20.9	<<<.<	0/0	0	0	0	20.9	<<<.<	0/0	**No Access**			
WS319	0	0	1.2	16.8	<<<.<	0/0	0	0	1.2	16.9	<<<.<	0/0	Dry	3.76	N/A	
WS320	0	0	0.8	16.2	<<<.<	0/0	0	0	0.8	16.2	<<<.<	0/0	Dry	1.04	N/A	
WS321	0	0	1.6	18.8	<<<.<	0/0	0	0	1.6	18.8	<<<.<	0/0	Dry	0.94	N/A	
BH403	0	0	2.3	18.3	<<<.<	0/0	0	0	2.3	18.3	<<<.<	0/0	Dry	3.1	N/A	
BH401	0	0	1.7	18.9	<<<.<	0/0	0	0	1.7	18.9	<<<.<	0/0	Dry	5.15	N/A	
BH110	0	0	0	20.9	<<<.<	0/0	0	0	0	20.9	<<<.<	0/0	4.94	12.78	7.84	
BH04B	0	0	0.1	20.7	<<<.<	0/0	0	0	0.1	20.8	<<<.<	0/0	4.89	17.33	12.44	
WS04	3.3	0	4.4	11.8	<<<.<	0/0	0	0	4.4	11.8	<<<.<	0/0	4.88	5.01	0.13	
BH105	0	0	0.2	20.7	<<<.<	0/0	0	0	0.2	20.7	<<<.<	0/0	4.96	11.4	6.44	
BH106	0	0	0.6	18	<<<.<	0/0	0	0	0.6	18	<<<.<	0/0	4.65	6.93	2.28	
BH03A	0	0	0	20.8	<<<.<	0/0	0	0	0	20.8	<<<.<	0/0	5.4	19.5	14.1	
BH107	0	0	0.4	20.5	<<<.<	0/0	0	0	0.4	20.5	<<<.<	0/0	3.4	4.94	1.54	
BH108	0	0	2.4	15.7	<<<.<	0/0	0	0	2.4	15.7	<<<.<	0/0	4.02	9.78	5.76	

Civil, Structural & Environmental Engineers Commercial Wharf, 6 Commercial St, MCR, M15 4PZ	**Job No:**	4153	**Site:** Mayfield Park
	Date:	12/02/2021	**Client:** Mayfield Partnerships Ltd
	Engineer:	RM	**Equipment:** Dip Meter, Water Quality Probes, Perastaltic Low-flow Pump

	Prior to monitoring	On day of monitoring	Notes
Weather Conditions:	Cloudy	Clear	Monitoring wells developed (x3 well volume purged) on 10th Feb
Surface Ground Conditions:	Frozen	Frozen	

BH	Surface Level	Depth to Water (m)	Depth to Base (m)	Well Vol (lt)	Temp	pH	Conductivity (us/mg)	Dissolved Oxygen (mg/l)	Head of water (m)	Depth to Water (mAOD)	Depth to Base (mAOD)	Notes
RO101	34.63	4.58	14.91	20.3	8.4	7.44	604.6	1.74	10.33	30.05	19.72	Sample Obtained
RO102	34.28	3.6	20.34	32.9	4.3	7.04	2592	10.84	16.74	30.68	13.94	Sample Obtained
RO103	34.42	3.88	14.73	21.3	7.9	6.61	1060	5.09	10.85	30.54	19.69	Sample Obtained
RO104	36.33	5.93	14.81	17.8	11	6.48	1025	11.88	8.88	30.4	21.52	Sample Obtained
RO105	39.05	8.94	14.95	12.0	10.1	6.8	1098	7.79	6.01	30.11	24.1	Sample Obtained
RO106	34.17	3.64	14.93	22.2	8.4	6.96	287.9	5.7	11.29	30.53	19.24	Sample Obtained
RO107	37.32	7.19	19.88	25.0	10.3	6.6	1524	1.86	12.69	30.13	17.44	Sample Obtained
BH102	33.2	2.5	7.4	9.6	5.9	6.71	1209	8.21	4.9	30.7	25.8	Sample Obtained
BH108	34.72	4.65	9.85	10.2	11.2	6.83	1991	3.03	5.2	30.07	24.87	Sample Obtained
BH110	35.34	4.81	12.35	14.7	10.5	7.17	1119	2.74	7.54	30.53	22.99	Sample Obtained

Civil, Structural & Environmental Engineers Commercial Wharf, 6 Commercial St, MCR, M15 4PZ	**Job No:**	4153	**Site:** Mayfield Park
	Date:	18/02/2021	**Client:** Mayfield Partnerships Ltd
	Engineer:	RM	**Equipment:** Dip Meter, Bailers

	Prior to monitoring	On day of monitoring	Notes
Weather Conditions:	Overcast	Overcast	
Surface Ground Conditions:	Dry	Wet	

BH	Surface Level	Depth to Water (m)	Depth to Base (m)	Well Vol (lt)	Temp	pH	Conductivity (us/mg)	Dissolved Oxygen (mg/l)	Head of water (m)	Depth to Water (mAOD)	Depth to Base (mAOD)	Notes
RO101	34.63	4.62	13.77	18					9.15	30.01	20.86	
RO102	34.28	3.46	20.38	34					16.92	30.82	13.9	Sampled
RO103	34.42	3.93	15.01	22					11.08	30.49	19.41	
RO104	36.33	5.87	14.78	18					8.91	30.46	21.55	
RO105	39.05	8.86	14.95	12					6.09	30.19	24.1	
RO106	34.17	3.5	15.06	23					11.56	30.67	19.11	
RO107	37.32	7.07	19.83	26					12.76	30.25	17.49	Sampled
BH102	33.2	2.65	7.27	9					4.62	30.55	25.93	
BH108	34.72	4.75	8.87	8					4.12	29.97	25.85	
BH110	35.34	4.87	12.36	15					7.49	30.47	22.98	

Civil, Structural & Environmental Engineers Commercial Wharf, 6 Commercial St, MCR, M15 4PZ	**Job No:**	4153	**Site:** Mayfield Park
	Date:	24/02/2021	**Client:** Mayfield Partnerships Ltd
	Engineer:	RM	**Equipment:** Dip Meter

	Prior to monitoring	On day of monitoring	Notes
Weather Conditions:	Overcast, raining	Overcast, raining	
Surface Ground Conditions:	Dry	Wet	

BH	Surface Level	Depth to Water (m)	Depth to Base (m)	Well Vol (lt)	Temp	pH	Conductivity (us/mg)	Dissolved Oxygen (mg/l)	Head of water (m)	Depth to Water (mAOD)	Depth to Base (mAOD)	Notes
RO101	34.63	4.74	14.65	20					9.91	29.89	19.98	
RO102	34.28	3.65	20.37	33					16.72	30.63	13.91	
RO103	34.42	4.05	14.77	21					10.72	30.37	19.65	
RO104	36.33	6.01	14.76	18					8.75	30.32	21.57	
RO105	39.05	8.67	14.93	13					6.26	30.38	24.12	
RO106	34.17	3.65	14.68	22					11.03	30.52	19.49	
RO107	37.32	7.23	19.79	25					12.56	30.09	17.53	
BH102	33.2	2.77	6.95	8					4.18	30.43	26.25	
BH108	34.72	4.91	8.88	8					3.97	29.81	25.84	
BH110	35.34	4.98	12.36	15					7.38	30.36	22.98	

Civil, Structural & Environmental Engineers	Job No:	4153	Site:	Mayfield Park
	Date:	9th-12th Feb 2021	Client:	Mayfield Partnerships Ltd
	Engineer:	RM	Equipment:	Dip & Bailer

RISING HEAD TEST :

Weather Conditions:	Cloudy
Surface Ground Conditions:	Icy
Notes	Rising head tests completed at each location following completion of the development of the wells (Purging)

BH ID		RO101	Reduced level (mAOD)	RO102	Reduced level (mAOD)	RO103	Reduced level (mAOD)
Surface elevation (mAOD)			34.63		34.28		34.42
Well response zone	Top	10.0	24.63	8.0	26.3	5.0	29.42
	Base	15.0	19.63	20.0	14.3	15.0	19.42
Pre-test resting water level (mbgl)		4.58	30.05	3.60	30.68	3.88	30.54
Depth to well base (mbgl)		14.91	19.72	20.34	13.94	14.73	23.57
Head of water (m)		10.33		16.74		10.85	
Water Volume (l)		20.3		32.9		21.3	
X2 Water Volume (l)		40.6		65.9		42.7	
X3 Water Volume (l)		61.0		98.8		64.0	
Total Volume purged		61.0		98.8		64.0	
Post test water level		4.75	29.88	3.78	30.50	4.12	30.30
Post test water level (+5mins)		4.65	29.98	N/A		3.92	30.50
Post test water level (+10mins)		4.64	29.99	3.60	30.68	3.90	30.52

BH ID		RO104	Reduced level (mAOD)	RO106	Reduced level (mAOD)	RO107	Reduced level (mAOD)
Surface elevation (mAOD)			36.33		34.17		37.32
Well response zone	Top	7.0	29.33	5.5	28.7	6.0	31.32
	Base	15.0	21.33	15.0	19.2	20.0	17.32
Pre-test resting water level		5.94	30.39	3.64	30.53	7.19	30.13
Depth to well base		14.81	27.46	14.83	22.98	19.88	24.63
Head of water		8.87		11.19		12.69	
Water Volume (l)		17.4		22.0		25.0	
X2 Water Volume (l)		34.9		44.0		49.9	
X3 Water Volume (l)		52.3		66.0		74.9	
Volume purged		52.3		66.0		74.9	
Post test water level		6.08	30.25	N/A		7.19	30.13
Post test water level (+5mins)		6.00	30.33	N/A		7.18	30.14
Post test water level (+10mins)		5.96	30.37	3.63	30.54	7.18	30.14

TEST DATE AND CONDITIONS		
Date	02/06/2020	
Atmospheric Pressure	1002	mB
Ambient Temperature	22.2	°C
Environics Serial No.	5089	

GFM436 Final Inspection & Calibration Check Certificate

GAS DATA LTD
Unit 4, Fairfield Court
Seven Stars Estate
Wheler Rd
Coventry
CV3 4LJ
Tel 02476303311 Fax 02476307711



Customer	ROCP Consulting
Certificate Number	121768
Order Number	325916

Serial Number	12229
Software Version	G436-00.0027/0009

Recalibration DUE Date
02/06/21

Instrument Checks					
Keyboard	✓		Display Contrast	✓	
Pump Flow In	450	*Accept > 200 cc/min*	Pump Flow @ -200mB	300	*Accept > 200 cc/min*
Clock Set / Running	✓		Labels Fitted	✓	

Gas Checks						
Sensor	CH_4		CO_2		O_2	
	Instrument Gas Readings %	True Gas Value %	Instrument Gas Readings %	True Gas Value %	Instrument Gas Readings %	True Gas Value %
	60.4	60	40.1	40	20.9	20.9
	Accept ±3.0		*Accept ±3.0*		*Accept ±0.5*	
	5	5	5	5	6	6
	Accept ±0.3		*Accept ±0.3*		*Accept ±0.3*	
Zero Reading 100% N2	0	0	0	0	0	0
	Accept ±0.0		*Accept ±0.0*		*Accept ±0.1*	

Optional Gas Checks						
Applied Gas & Range		Concentration Tested @ (ppm)	Instrument Readings *(ppm)*			
Gas Type	Range *(ppm)*		Zero Reading		Instrument Gas Reading	
H2S	5000	*1500*	0	*Accept ±0.0*	1500	*Accept ±5.0*
CO	2000	*1000*	0	*Accept ±0.0*	1000	*Accept ±5.0*
Hexane	*2.0%*	2.0%	0	*Accept ±0.0*	1.99	*Accept ±10.0*

COMPLEX CHALLENGES ...
MADE SIMPLE

APPENDIX F – EARTHWORKS PROPOSALS & DRAWINGS

NOTE: VOLUMES ARE TAKEN TO THE BOUNDARY OF THE AVAILABLE S.I INFORMATION & CALCULATED FROM VERTICAL FACE BETWEEN THE STRATAS OMITTING ALL BATTERS

THIS DRAWING SHOWS THICKNESS OF MATERIAL FROM TOPO TO U/S MADE GROUND

CUT AND FILL TABLE

PHASE	B	C	D
CUT m³	9,259	9,326	4,600
FILL m³	0	0	0
NET m³	9,259	9,326	4,600



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NOTES

NB: SUBSTRATA GROUND MODEL SHOWN IS AN INTERPRETATION OF THE OVERALL RESULTS OF THE SITE INVESTIGATION AND IS SUBJECT TO REFINEMENT.

EXISTING LEVELS BASED ON SURVEY OPS AMALGAMATED SURVEY 20K082_3D

PROPOSED LEVELS BASED ON SEW ARCHITECTS PLANS

FOR PHASE A REFER TO SK001 SERIES OF DRAWINGS, NOTE PHASES ARE FOR REFERENCE ONLY AND ARE NOT AN INDICATION OF CONSTRUCTION SEQUENCE

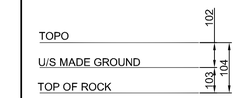
LEGEND

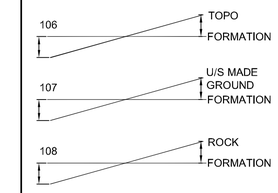
SURFACE LEVEL DATA

NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR
1	-7.00	-6.00	
2	-6.00	-5.00	
3	-5.00	-4.00	
4	-4.00	-3.00	
5	-3.00	-2.00	
6	-2.00	-1.00	
7	-1.00	0.00	
8	0.00	1.00	
9	1.00	2.00	
10	2.00	3.00	
11	3.00	4.00	

CUT

FILL





× 33.429m U/S MADE GROUND

THIS DRAWING REPLACES SK102

REV	DATE	DETAILS	DRN	CHK
C1	23.12.20	Issued For Construction	DJ	PW

DRAWING STATUS
FOR CONSTRUCTION

RIBA STAGE

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN	DATE	SCALES
DJ	22.12.20	1:500
CHECKED	DATE	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE =DO NOT SCALE=
PW	23.12.20	
APPRVD.	DATE	EMAIL FOR DRAWINGS
PW	23.12.20	info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD PARK

DRAWING TITLE
TOPO VS U/S MADE GROUND VOLUMETRIC PLAN

PROJECT ORIGIN ZONE LVL TYPE ROLE No.	REV
4153-ROC-XX-XX-DR-C-102	C01

© RoCp Ltd.

NOTE: VOLUMES ARE TAKEN TO THE BOUNDARY OF THE AVAILABLE S.I INFORMATION & CALCULATED FROM VERTICAL FACE BETWEEN THE STRATAS OMITTING ALL BATTERS

THIS DRAWING SHOWS THICKNESS OF MATERIAL FROM TOPO TO TOP OF ROCK

CUT AND FILL TABLE

PHASE	B	C	D
CUT m³	16,114	14,414	9,625
FILL m³	0	0	0
NET m³	16,114	14,414	9,625

PHASE B

PHASE C

PHASE D

PHASE A

PLOT O THE POULTON

PLOT N - MSCP

PLOT M REPUBLIC

× 32.166m × 32.104m × 31.342m × 31.650m × 30.895m × 29.91?m

× 31.033m × 31.635m × 31.615m × 31.669m × 31.280m × 30.589m × 30.194m × 29.733m

× 31.115m × 31.095m × 31.147m × 30.587m × 30.467m × 30.481m × 30.?07m

× 30.833m × 30.649m × 30.529m × 30.410m × 30.404m × 30.503m

× 30.275m × 30.391m × 30.352m × 30.327m

× 29.939m × 30.103m × 30.?6m

× 30.000m × 30.025m × 30.425m

× 30.079m × 30.151m × 30.066m × 29.978m × 30.073m

× 30.727m × 31.024m × 30.962m × 30.893m × 30.805m

× 31.374m × 31.671m × 31.865m × 31.785m × 31.720m × 31.631m

× 31.068m × 31.742m × 32.318m × 32.615m × 32.670m × 32.608m × 32.545m × 32.?55m

× 31.042m × 31.718m × 32.390m × 33.063m × 33.558m × 33.494m × 33.431m × 33.275m × 33.208m × 33.050m × 32.832m × 32.614m × 33.529m × 34.501m × 34.882m

× 30.383m × 31.016m

× 30.982m

× 30.335m × 30.527m × 31.059m × 31.522m

× 30.280m × 30.?87m × 30.473m × 30.589m × 32.158m × 32.?98m

× 30.584m × 30.213m × 29.622m × 30.391m × 33.029m × 33.?71m

× 31.506m × 30.412m × 29.824m × 31.187m × 33.283m × 33.803m

× 34.473m

× 33.429m ROCK LEVELS

THIS DRAWING REPLACES SK104

REV	DATE	DETAILS	DRN	CHK
C1	23.12.20	Issued For Construction	DJ	PW

DRAWING STATUS
FOR CONSTRUCTION

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NOTES

NB: SUBSTRATA GROUND MODEL SHOWN IS AN INTERPRETATION OF THE OVERALL RESULTS OF THE SITE INVESTIGATION AND IS SUBJECT TO REFINEMENT.

EXISTING LEVELS BASED ON SURVEY OPS AMALGAMATED SURVEY 20K082_3D

PROPOSED LEVELS BASED ON SEW ARCHITECTS PLANS

FOR PHASE A REFER TO SK001 SERIES OF DRAWINGS, NOTE PHASES ARE FOR REFERENCE ONLY AND ARE NOT AN INDICATION OF CONSTRUCTION SEQUENCE

LEGEND

SURFACE LEVEL DATA

NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR
1	-8.00	-7.00	
2	-7.00	-6.00	
3	-6.00	-5.00	
4	-5.00	-4.00	
5	-4.00	-3.00	
6	-3.00	-2.00	
7	-2.00	-1.00	
8	-1.00	0.00	
9	0.00	1.00	
10	1.00	2.00	

CUT

FILL

TOPO

U/S MADE GROUND

TOP OF ROCK

102

103

104

106 TOPO FORMATION

107 U/S MADE GROUND FORMATION

108 ROCK FORMATION

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DRAWN DJ	DATE 23.12.20	SCALES 1:500
CHECKED PW	DATE 23.12.20	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE –DO NOT SCALE–
APPRVD. PW	DATE 23.12.20	EMAIL FOR DRAWINGS info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD PARK

DRAWING TITLE
TOPO VS TOP OF ROCK VOLUMETRIC PLAN

PROJECT	ORIGIN	ZONE	LVL	TYPE	ROLE	No.	REV
4153-	ROC-	XX-	XX-	DR-	C-	104	C01

© RoCp Ltd.

NOTE: VOLUMES ARE TAKEN TO THE BOUNDARY OF THE AVAILABLE S.I INFORMATION & CALCULATED FROM VERTICAL FACE BETWEEN THE STRATAS OMITTING ALL BATTERS

THIS DRAWING SHOWS THICKNESS OF MATERIAL FROM TOPO TO FORMATION

CUT AND FILL TABLE

PHASE	B	C	D
CUT m³	6,585	5,847	1,547
FILL m³	210	899	159
NET m³	6,375	4,948	1,389

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NOTES

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EXISTING LEVELS BASED ON SURVEY OPS AMALGAMATED SURVEY 20K082_3D

PROPOSED LEVELS BASED ON SEW ARCHITECTS PLANS

FOR PHASE A REFER TO SK001 SERIES OF DRAWINGS, NOTE PHASES ARE FOR REFERENCE ONLY AND ARE NOT AN INDICATION OF CONSTRUCTION SEQUENCE

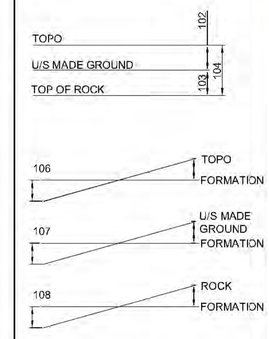
LEGEND

SURFACE LEVEL DATA

NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR
1	-6.00	-5.00	
2	-5.00	-4.00	
3	-4.00	-3.00	
4	-3.00	-2.00	
5	-2.00	-1.00	
6	-1.00	0.00	
7	0.00	1.00	
8	1.00	2.00	
9	2.00	3.00	
10	3.00	4.00	
11	4.00	5.00	

CUT

FILL



× 33.429m FORMATION

THIS DRAWING REPLACES SK106

REV.	DATE	DETAILS	DRN.	CHK.
CA	23.12.20	Issued For Construction	DJ	PW

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PW	23.12.20	
APPRVD	DATE	EMAIL FOR DRAWINGS
PW	23.12.20	info@rocconsulting.com

CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD PARK

DRAWING TITLE
TOPO VS FORMATION LEVELS VOLUMETRIC PLAN

PROJECT ORIGIN ZONE LVL TYPE ROLE No.	REV
4153-ROC-XX-XX-DR-C-106	C1

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PHASE B

PHASE C

PHASE D

PHASE A

PLOT O THE POULTON

PLOT N - MSCP

PLOT M REPUBLIC

REFER TO 4153-ROC-XX-XX-DR-C-001 SERIES FOR WORKS/LEVELS TO PHASE A (PLOTS M,N AND O)

COMPLEX CHALLENGES ...
MADE SIMPLE

APPENDIX G – TECHNICAL NOTE TN1.1: RESIDUAL TANNERY CONTAMINATION

Project No | 4153
Ref | ROCP Ltd /LD/AS/ 4153-ROC-XX-XX-RP-ES-P2SI1
Date | December 2020

RoC CONSULTING

Technical Note 1.1
Residual Tannery Contamination

Mayfield Park, Manchester

for

Mayfield Partnerships Ltd



03 / 02 / 2021

COMPLEX CHALLENGES ...
MADE SIMPLE

Technical Note 1.1
Residual Tannery Contamination

On

Mayfield Park, Manchester

DESCRIPTION	DATE	AUTHOR		
Technical Note 1.1 Residual Tannery Contamination	03/02/2021	 Alex Smiles BSc (Hons) C.Env MIEMA FGS		
REVISION	**DESCRIPTION**	**DATE**	**AUTHOR**	**APPROVED BY**

COMPLEX CHALLENGES ...
MADE SIMPLE

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1.0 Introduction

1.1 Background

1.1.1 RoC Consulting has prepared the following Technical Note (TN 1.1) at the instructions of the Mayfield Partnership Ltd (the client) to describe the potential risks associated with the former operations a Tannery facility, historically located within the proposed Mayfield Park regeneration site. In addition, the note outlines the scope of mitigation and remedial measures that should be employed by construction contractors during the proposed redevelopment of this portion of the site,

1.1.2 The Technical Note follows on from a number of ground investigation reports completed across the proposed Mayfield Park regeneration site namely :

1) Geoenvironmental and Geotechnical Desk Study Report prepared by Buro Happold Ltd in August 2017 for the Mayfield Regeneration Site (report ref : 035548).

2) Phase 2 Site Investigation Report, Mayfield Park, prepared by RoC Consulting in December 2020 (report ref: 4153-ROC-XX-XX-RP-ES-P2SI1).

3) Phase 3a Remediation Strategy, Mayfield Park, prepared by RoC Consulting in December 2020 (report ref: 4153-ROC-XX-XX-ES-RP-P3RS2).

1.1.3 It is recommended reference is made to the findings and results of the above reports when reviewing the current Technical Note.

1.2 Terms of Reference

1.2.1 The Technical Note was collated following receipt of an instruction from representatives of the Mayfield Partnership Ltd in February 2021.

1.3 Objectives

1.3.1 The objectives of the desk-based study were:

- To provide further information on the current and historical pattern of operations within the footprint of the former Tannery operation.
- To summarise ground investigations completed in the area of the Tannery and describe any observations of note with respect to potential risks posed to human health and other environmental receptors.
- To outline the scope of remediation and mitigation measures that may be required during the redevelopment of this portion of the site.

2.0 Background Information

2.0.1 The following chapter provides an overview to most salient findings of the desk based and intrusive site investigations completed within the footprint of the former Tannery Site. The summary has been taken from information and records provided in the aforementioned ground investigation reports which should be reviewed in conjunction with this appraise.

2.1 Historic Tannery Operations

2.1.1 The presence of animal tanning operations was first noted on site within the Buro Happold Phase 1 Desktop study historical map review. The area in question is located to the central and southern portion of the proposed Mayfield Park site (as indicated on the enclosed drawing ES300). The tannery operations straddle the boundary between the proposed Mayfield Park and adjacent Plot M "Republik" proposed commercial office development.

2.1.2 The Tannery is present on earliest map records (c1850) occupying a roughly rectangular parcel of land to the central and western portion of the future Ardwick Tannery site. The operation comprises a number of buildings to the central and northern extent and tan pits to the south and east (see sketch TN100 within Appendix A for historical records for this and subsequent development across the site).

2.1.3 The operation is expanded during the period leading up to the 1890s with the aforementioned tan pits removed and constructed on top of. The 1890 map record does not indicate any tan pits within the external area of the Ardwick Tannery site and it is likely such operations were now taking place in side one of the new structures located on site.

2.1.4 The tannery site is cleared and redeveloped during the period between 1890 and 1908 to comprise the Chapelfield Indian Rubber works. This development includes the demolition and removal of all structures relating to the tannery with new buildings occupying a different scale and footprint across this portion of the site.

2.1.5 The rubber works in this configuration is evidence on site during the period leading up to 1948 when the site is again cleared and redeveloped into its most recent arrangement, with a large brick and steel frame warehouse structure occupying the entire footprint of the former tannery. This most recent redeveloped created a split level between the northern and southern portion of the site with a retaining wall present roughly along its centre (see sketches TN101 and 102 within Appendix A for contemporary photographic records of the site).

2.1.6 Drawing ES301 (provided within Appendix A) has been collated to illustrate the relationship between the current site, historical tannery operations and proposed park / office development.

2.2 Present Day Site Description

2.2.1 The site currently comprises an area of recently cleared warehousing that dates from the aforementioned 1948 Rubber Works development, although its most recent operation prior to demolition related to Hillcare electrical lighting suppliers and wholesales.

2.2.2 The building was demolished to ground floor slab level in late 2018 with a retaining structure left in situ that separates the upper southern portion of the former building with the lower northern extent. The northern portion of the site is bounded by the River Medlock which runs in a roughly south east to north west orientation past the site.

2.2.3 Photographs of the site are provided on sketch TN102 within Appendix A.

2.3 Ground investigation information

2.3.1 A program of ground investigations has been completed across both the proposed Park and Plot M office development within the footprint of the former Tannery operation. These investigations comprised the formation of x11 exploratory boreholes and trial pits (the locations of which are indicated on enclosed drawing ES300). In addition, archeological investigations were also completed in the area of the former Tannery by Salford Archeology, comprising the formation of a slit trench circa 50m in length (a photograph from which is provided on sketch TN102 within Appendix A.

2.3.2 Ground investigations in this area (exploratory hole locations for which are provided on the aforementioned drawing ES301) two ground models;

- Area to north of retaining wall; the lower portion of the site set slightly above the River Medlock comprises a concrete floor slab resting directly on top of the Sandstone bedrock. Limited (if any) residual made ground is noted in this area with structures and floor slabs constructed on top of the bedrock.

- Area to the south of the retaining wall; the upper portion of the site is characterised by deeper demolition type fill made ground deposits (up to 3m in depth) overlying reworked clay and weathered Sandstone at depths circa 4m.

2.3.2 None of the exploratory boreholes formed across the site indicated the presence of deleterious or significantly contaminated soils, with the bulk of made ground comprising an ashy demolition type granular fill material similar in its make-up and chemical composition to soils noted across the wider Mayfield Park site. No evidence of any animal products or residual organic material was noted in any of the exploratory holes formed across the site.

2.3.3 Subsequent chemical analysis of soil samples obtained during the ground investigation works in this area revealed minor of elevations Heavy Metals and Poly Aromatic hydrocarbons; similarly, groundwater sampling and analysis from the deep borehole BH102 in this area indicates an absence of PAH and TPH contaminants with only marginally elevated heavy metal concentrations.

2.3.4 The composition and quality of made ground material reported beneath this portion of the site is typical of the demolition type material that has been reported elsewhere across the wider Mayfield park development site.

2.3.5 When compared with other portions of the wider park site the presence of contamination hotspots beneath this portion of the site much less that other zones (e.g., proposed multi use game area to the north and east). This variance can be attributed to the relatively shallow depth to Sandstone beneath this portion of the site and limited depth of made ground that is present as a result.

2.4 Development proposals

2.4.1 The site of the former Tannery is to be developed into a combination of the Mayfield Park and Plot M "Republik" commercial office development. The park development, the approx. extent of which is indicated on drawing ES300 within appendix A, will comprise a riverside walkway with soft landscaping and planting on the banks of the River Medlock. The river wall in this area will be partially reduced and strengthened and the existing Medlock culvert (to the north and west) removed to open up the river channel.

2.4.2 Construction activities associated with these works will include the breaking out of existing concrete floor slabs, repair works to the river walls and installation of hard and soft landscaping. Site levels are to be left at or near to existing in this area with limited requirement for significant below ground excavations (excluding those required for river wall repair, deculveritng and hard / soft landscaping works. All areas of soft landscaping will be subject to clean soil cover systems in accordance with the requirements of the RoC Consulting Phase 3a Remediation Strategy and Landscape Architects.

3.0 Tannery Risk Assessment & Suggested Mitigation Measures

3.0.1 We have considered the residual risks posed from Tannery Contamination containing materials beneath this portion of the site in the context of both historical and ground investigation information outlined in Section 2.0 (and further expanded upon in our Phase 2 Site Investigation report). We consider the risks posed toward identified receptors (i.e., construction persons during development works and the adjacent River Medlock) to be **Low**.

3.0.2 Our justification for this assessment is as follows:

1) The portion of the site containing the Tannery was completely cleared and redeveloped on two separate occasions since the works closed (in 1908 and 1948). Subsequent redevelopment of the site was comprehensive with the most recent operation covering the entire former Tannery footprint. It is likely these clearance operations will have included the removal of existing structures and breaking out / backfilling of below ground structures. As such the potential for structures or features dating from the Tannery operation will be low.

2) No evidence of deleterious organic or animal material has been identified in any of the ground investigation works completed across the site. More intrusive archaeological trial trenches completed in this area by Salford Archaeology also failed to reveal the presence of such material. This supports the hypothesis subsequent phases of development have cleared the majority of traces of tannery operations from the site.

3) The portion of the proposed Park that sits within the former Tannery site footprint comprises the area of the north of the existing retaining wall; the ground model in this area is known to contain little (if any) made ground deposits with Sandstone bedrock at or very close to the grounds surface in this area.

4) The “Plot M” development plot to the south (and out with of the current Park application / proposed works) has deeper made ground deposits, although no evidence of tannery related material was noted in exploratory holes during investigations in this area.

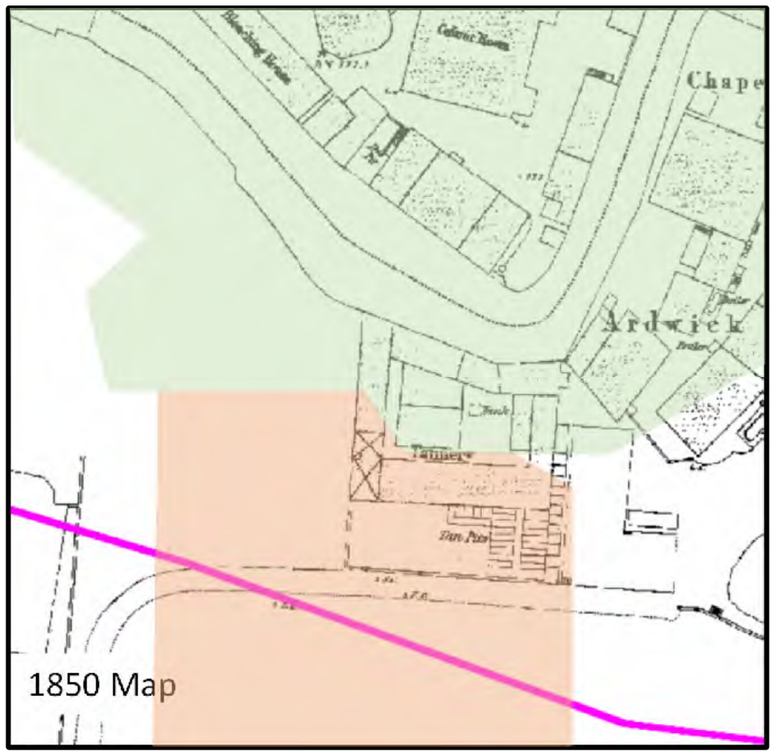
5) The redevelopment of the site to facilitate proposed park construction will see limited change in site levels and associated excavation works. Remedial works are proposed to the River Walls and Medlock culvert which will require excavation works, however across the wider site there is limited potential for significant bulk earthwork operations (and potential exposure of any residual tannery waste product).

3.0.3 In view of the above we do not consider it is necessary to complete further investigation works across this portion of the site to check for the presence of animal product or other material impacted by tannery operations.

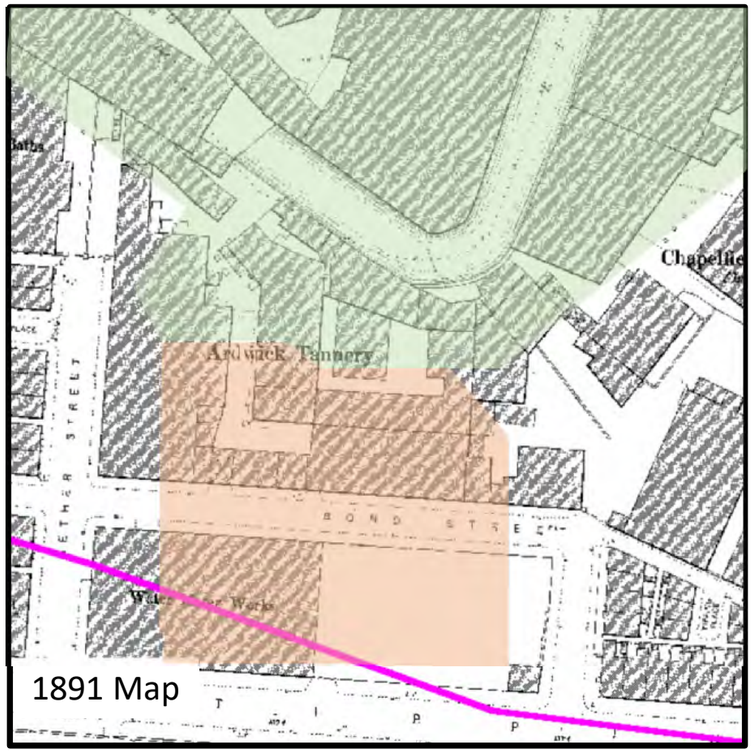
3.0.4 However, in recognition of the potential risks posed we would recommend contractors adopt a watching brief and put in place specific emergency control measures in the event tannery related contamination is observed during excavation works in this area (further details of which are provided within Appendix B of this note).

3.0.5 In addition, the reuse of soils generated during works in the area of the former Tannery shall not be completed until they have been suitably inspected and verified as being free from potential tannery related contamination.

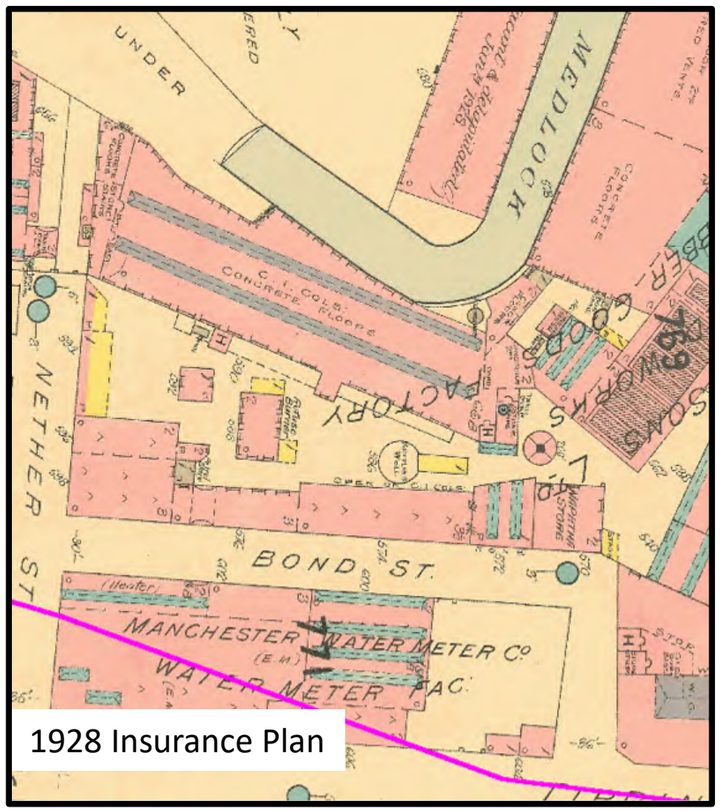
Appendix A - Site Photos & Drawings



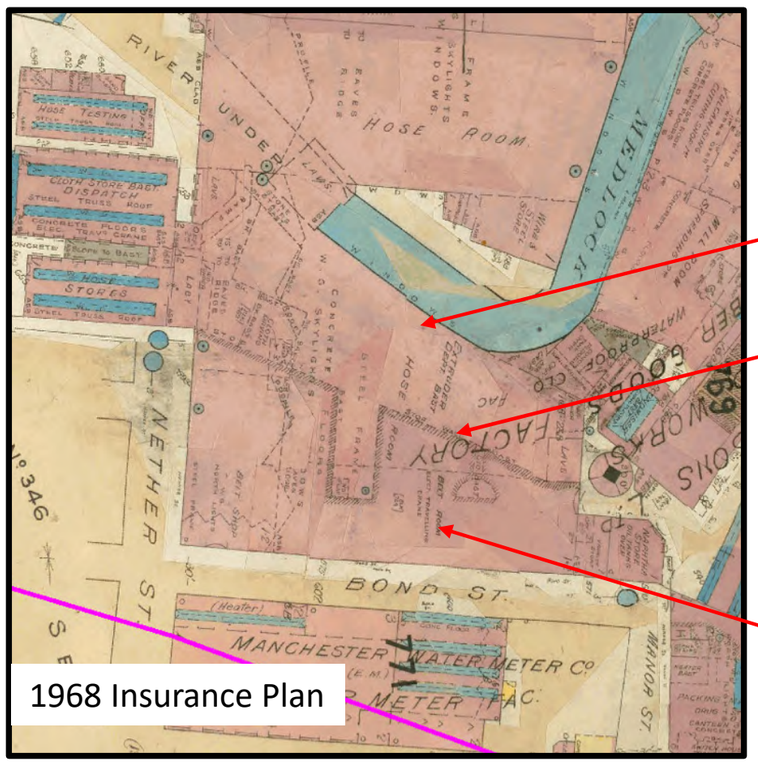
1850 Map



1891 Map



1928 Insurance Plan



1968 Insurance Plan

Approx. location of proposed Mayfield Park relative to Tannery site

Approx. location of proposed Plot M Office relative to Tannery Site

Lower former sub basement level

Retaining structure

NORTH

Upper level

JOB NO	4153	SKETCH NO	TN100	DRAWN BY :AS 03 02 2021
PROJECT TITLE	Mayfield Park, Manchester	SKETCH TITLE	Historical Tannery Operations	

COMPLEX CHALLENGES ... MADE SIMPLE



Approx. location of proposed Mayfield Park relative to current site

Approx. location of proposed Plot M Office relative to current site

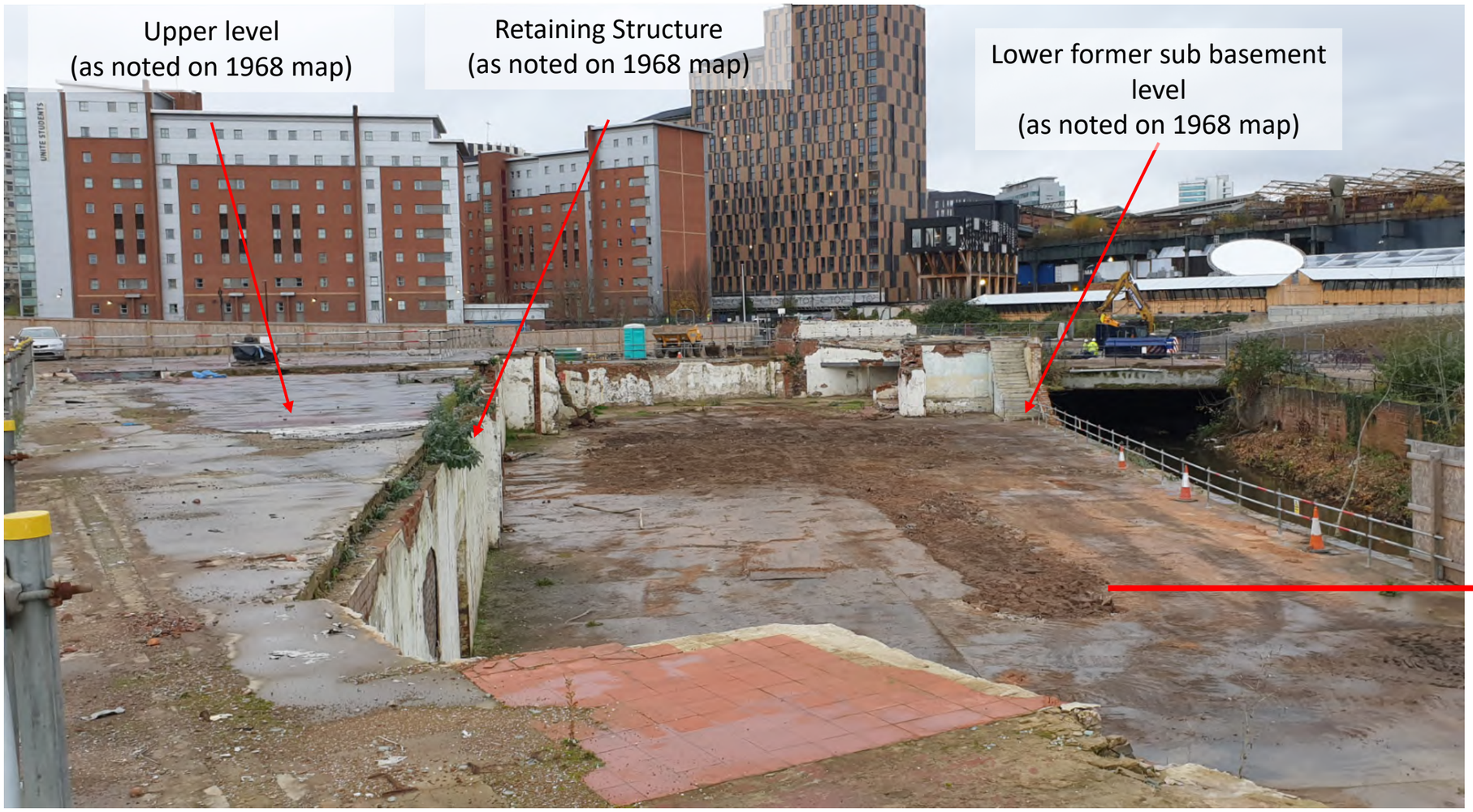
Approx. maximum extent of Tannery operations

NORTH

JOB NO	4153	SKETCH NO	TN101	DRAWN BY :AS 03 02 2021
PROJECT TITLE	Mayfield Park, Manchester	SKETCH TITLE	Current aerial view of site showing approx. developments and tannery operations	

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COMPLEX CHALLENGES ... MADE SIMPLE



Looking west across the former Tannery site in October 2020 showing extent of upper and lower levels & recently completed archeological trenches



Retaining structure

Slit trench formed through lower level showing sandstone beneath existing floor slab

JOB NO	4153	SKETCH NO	TN102	DRAWN BY :AS 03 02 2021
PROJECT TITLE	Mayfield Park, Manchester	SKETCH TITLE	October 2020 Site Photographs	

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NOTES

- RO BH101 — PROPOSED DEEP MONITORING BOREHOLE
- REC BH02 — EXISTING DEEP MONITORING BOREHOLE
- PH305 — EXISTING BOREHOLE LOCATION FORMED WITHIN OR ADJ FORMER TANNERY OPERATION
- PROPOSED PARK DEVELOPMENT BOUNDARY
- PROPOSED PLOT M DEVELOPMENT BOUNDARY

DRAWING NOTES

1) BOREHOLES PROPOSED ACROSS SITE TO ASSESS GROUNDWATER LEVELS AND QUALITY WITHIN THE UNDERLYING BEDROCK AQUIFER.
2) A TOTAL OF 7 BOREHOLES ARE PROPOSED WHICH ARE TO BE FORMED USING ROTARY OPEN HOLE DRILLING METHODS TO DEPTHS RANGING BETWEEN 15 AND 20m BELOW GROUND LEVEL.
3) MONITORING STANDPIPES TO BE INSTALLED AT BOUNDARY BETWEEN DRIFT DEPOSITS AND WEATHERED SANDSTONE BEDROCK. WELLS TO BE TAKEN TO FULL DEPTH OF BOREHOLES FROM THIS LEVEL (EITHER 15 OR 20m BELOW GROUND LEVEL
4) ALL BOREHOLES TO BE INSTALLED WITH TOP HAT STYLE RAISED COVERS

REV.	DATE	DETAILS	DRN.	CHK.

DRAWING STATUS
INFORMATION

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CLIENT
MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
ARDWICK TANNERY SITE LAYOUT c1850 AND 1890

PROJECT No.	DRAWING No.	REV.
4153	ES301	R1

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Appendix B – Former Tannery Product Risk Mitigation Strategy

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Former Tannery Site, Risk Mitigation Note

The following note has been prepared for all contractors to review and adhere with when completing any excavations or works that may break ground in the area of the former Ardwick Tannery (see Fig 1.0 below for location).



Fig 1.0 : Portion of site containing former Tannery operation.

Ground contamination assessments have identified this portion of the site was formerly used as a Tannery and a residual risk of animal by product encounter may be present in this area. Investigations completed to date in this area have failed to identify any such presence, however all contractors are obliged to follow the requirements of this briefing note and adopt a Tannery Contamination **Watching Brief & Discovery Strategy** the scope of which is provided overleaf.

Tannery Contamination: Watching Brief & Discovery Strategy

1) All proposed works that may break ground in the area of the former Tannery (as defined on Fig 1.0 of this note) will be subject to a watching brief.

2) This watching brief applies to all machine and hand dug activities in this area (regardless of purpose, scale or depth) and will continue until natural strata is encountered in excavations (either weathered Sandstone bedrock or natural clays / sands).

3) Persons working on any such excavations shall visually inspect soils for the presence of the following materials:

   - Animal bones
   - Animal hair
   - Animal carcase or flesh
   - Animal hides
   - Significant quantities of deleterious or organic rich materials or sludge

4) Where materials or contaminants similar to those outlined in point 3 are noted contractors shall immediately cease all operations and complete the following steps:

   - Cease all excavations and move all site personnel to a safe distance.
   - Immediately backfill and cover impacted material with arisings from excavations to at least a 1m thickness with unimpacted material.
   - Whilst backfilling excavations the site manager should be alerted to the discovery.
   - As required deploy any temporary mitigation measure to stabilise adjacent land or structures (e.g., if working in close proximity to the River Medlock walls or culvert) without disturbing the affected area).
   - Record the affected area both in terms of its location and spatial extent
   - As required adjust and reroute site operations away from the affected area

5) Once these immediate actions are undertaken the affected area shall be cordoned off from site operations with appropriate barriers and signage (similar to mitigation measures employed when areas of Asbestos or other grossly contaminated soils are revealed during site works).

6) RoC Consulting and the site Resident Engineer shall be informed as soon as is reasonably practicable to attend site and further discuss the discovered material and remediation measures. In addition, notification may also be required to Manchester City Councils Environmental Protection Div, the Environment Agency and the HSE (depending on the extent / severity of contamination)

7) All future works in the affected area to further investigate, remove and remediate shall be completed in accordance with guidance document “Guidance on assessing risk of Tannery Contamination on building land” with appropriate approvals and sanctions from regulatory authorities.

It is recommended construction contractors review and incorporate the requirements of this briefing noted into all excavation permits being issued for the area indicated in Fig 1.0 with all operatives briefed as to their obligations under this strategy. Any questions or clarifications should be brought to the attention of RoC Consulting or the site Resident Engineer.











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