# 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  |

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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.

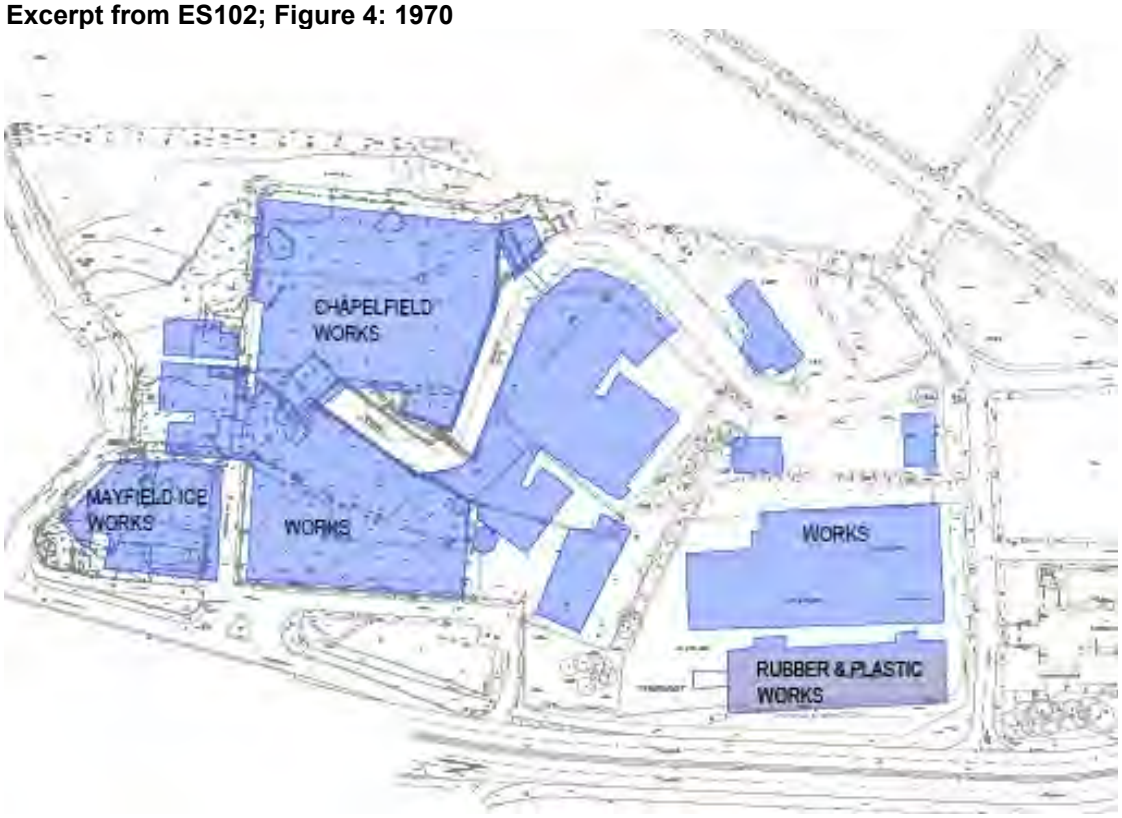
3.3.8 Zone 5 “Hoyle Street West”: Earliest mapping dated 1891 indicates the area to be occupied by residential housing. This remains the case until 1948 where records depict the residential housing to have been cleared and a residential public house present in the southern area of the zone, along with 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.<br><br>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.<br><br>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.<br><br>Four locations were unsurfaced, comprising granular made ground of demolition type fill material (WS303, WS311A, WS307 & WS318).<br><br>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.<br><br>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.<br><br>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.<br><br>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.<br><br>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.<br><br>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.<br><br>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).<br><br>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).<br><br>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.<br><br>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.<br><br>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.<br><br>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.<br><br>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.<br><br>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 –<br><br>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.<br>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.<br><br>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.<br><br>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).<br><br>The depth of made ground was not proven at 6 of the 18 boreholes formed as part of the river wall exploratory works.<br><br>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,<br>WS403 &<br>WS404 | 0.50<br>0.70<br>0.65 | 38.09<br>37.51<br>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<br>Benzo(a)pyrene<br>Benzo(b)fluoranthene<br>Chrysene<br>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<br>Lead |
| | 2.00 | Arsenic |
| PH302 | 0.40 | Arsenic<br>Lead |
| WS310 | 0.80 – 1.00 | Lead |
| SP4 | 0.20 | Lead |
| TP310 | 0.60 | Lead |
| | 1.50 | Arsenic<br>Lead<br>Mercury |
| **Zone 3 "Multi Use Game Area" : MUGA** | | |
| TP305 | 0.50 | Lead |
| WS323 | 2.20 – 2.50 | Lead |
| PH314 | 0.20 | Lead<br>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<br>Benzo(b)fluoranthene<br>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<br>Benzo(b)fluoranthene<br>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<br>Benzo(b)fluoranthene<br>Dibenzo(ah)anthracene |
| SP2 | 0.20 | Benzo(a)pyrene<br>Benzo(b)fluoranthene<br>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<br>Naphthalene | 30*<br>0.075 | 83<br>0.48 | 14<br>0.01 |
| RO102 | Arsenic<br>Selenium | 30*<br>10 | 82.0<br>3 | 683<br>39 |
| RO103 | No Exceedances | - | - | - |
| RO104 | Lead<br>TPH: Aromatic >C12-C16 | 18*<br>90 | 61<br>No Exceedance | -<br>150 |
| RO105 | Benzo(a)pyrene | 0.01* | 0.02 | - |
| RO106 | Benzo(a)pyrene | 0.01* | 0.02 | 0.06 |
| RO107 | Naphthalene<br>Total PAH (16MS)<br>TPH: Aro >C5-C7<br>TPH: Aro >C10-C12<br>TPH: Aro >C12-C16<br>TPH: Aro >C16-C21 | 0.075<br>-<br>1.0<br>90<br>90<br>90 | 0.39 / 0.1<br>2.05 / 1.6<br>-<br>-<br>-<br>- | 8.27<br>13.6<br>3.0<br>321<br>513<br>251 |
| BH102 | Benzo(a)pyrene<br>Benzo(b)fluoranthene | 0.01*<br>0.1* | N/A | 0.21<br>0.19 |
| BH108 | No Exceedances | - | N/A | - |
| BH110 | Ammoniacal Nitrogen as N<br>Arsenic<br>Cyanide | 339<br>30*<br>1.0 | N/A | 1180<br>940<br>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.<br><br>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).<br><br>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.<br><br>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.<br><br>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.

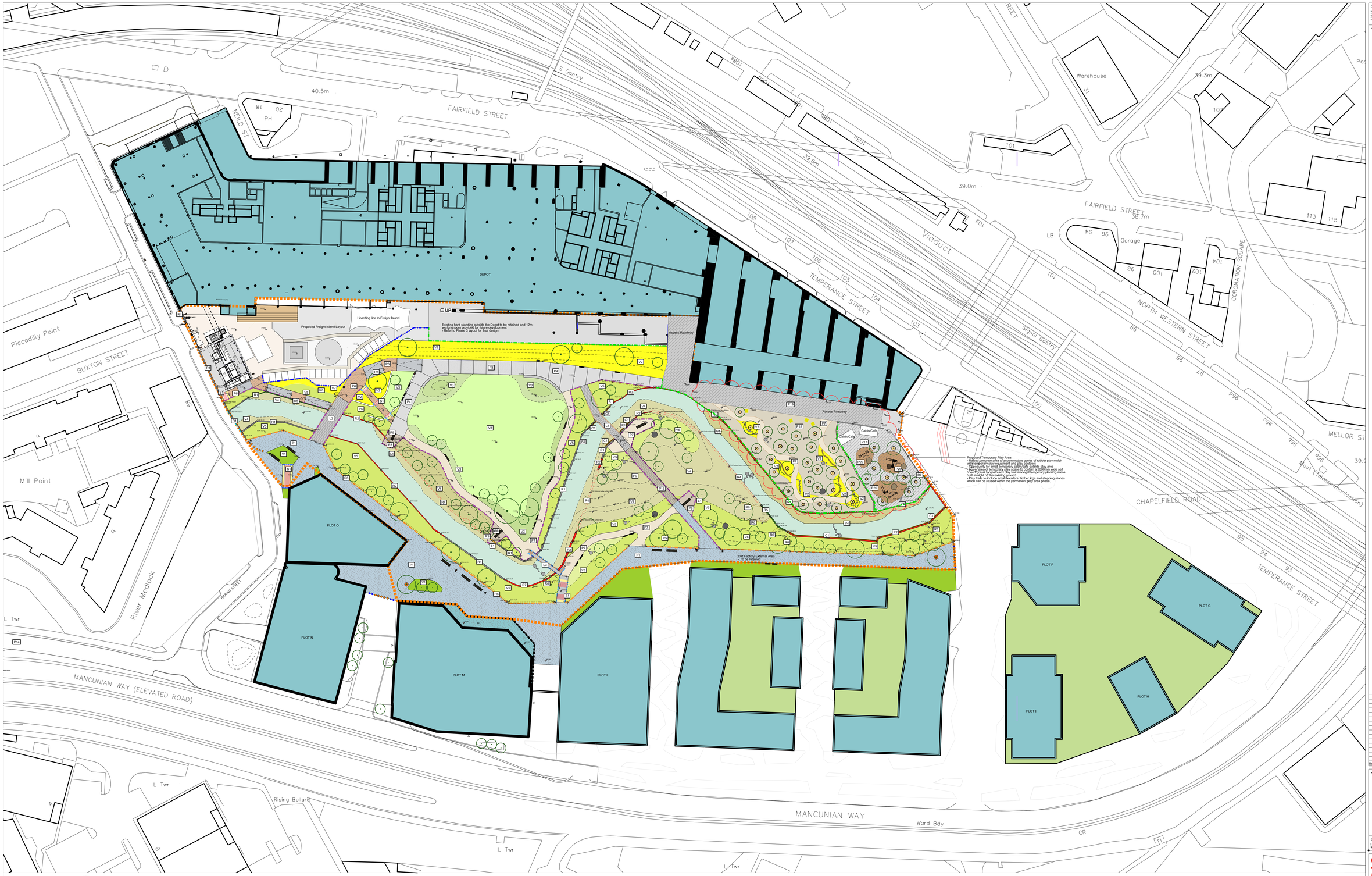
11.0.10 Ground gas monitoring indicates that the site is classified as a Characteristic Situation 2 due to elevated CO2 levels above 5%. However, in areas of Public Open Space this risk is eliminated by absence of enclosed spaces. Where buildings are proposed with Made Ground within the footprint, some 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




**Boundaries**

- Mayfield Park Boundary

**Levels**

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

**KEY**

Paving Types

- P1 Paving Type 01
  Description: Clay Paving Bricks
  Source: UK sourced from the stoke area for heritage continuity (Eg Ridley Brick or equal & approved)
  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 dark 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 dark 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 Ridley Brick or equal & approved)
  Finish: Flat Rubbed
  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
- P6 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 debrides and unwanted materials
- P17 Paving Type 17
  Description: Existing Concrete
  Notes: To be retained and cleaned of debrides and unwanted materials
- P07 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: Laid over a membrane and within a stabilising mesh
  Subbase: Improved flood resilience and SDA trafficking
  Edging: Kirkley Metal edge for lateral support
  Subbase: design to accommodate Pedestrian traffic
- P18 Paving Type 18
  Description: Existing Hardstanding
  Notes: To be retained and cleaned of debrides and unwanted materials
- P19 Paving Type 19
  Description: Proposed Type 1 Sub Base
  Notes: To be used as coated 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, engineered high balustrades added 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 retained, 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 balustrades fitted. Deck surface made good or replaced with an exposed aggregate concrete finish.
  Design TBC

Steps

- ES1 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
  New 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
  Soil Volume: 20m3 per tree
  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 and weathered steel base. Timbers 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

**General Notes**

As-Built & Survey Info: The drawing should not be used to calculate areas for any purpose whatsoever. All dimensions are approximate and should be checked on site by contractor and setting out. Sewest is not responsible for any errors or omissions arising from information supplied by others. All requirements, including 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
Turnmill St
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0207 549 1730
hello@egretwest.com
egretwest.com
©2015 SEW ltd


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

Mayfield Depot

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

To match existing levels TOW 37.10

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.

Unknown bottom of wall level

Unknown bottom of wall level

TOW as existing

TOW as existing

Wall & H/R 1100mm

WL (31.20)

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

The Poulton

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

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

Please note this information is not fully co-ordinated. Final co-ordination stage 4 issue to be provided once all design team work packages are completed and reviews by lead designer.

| 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

N

Scale Bar 0 10m

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©2015 SEW ltd

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.

The Poulton

Extent of permanent park finishes

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

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

Please note this information is not fully co-ordinated. Final co-ordination stage 4 issue to be provided once all design team work packages are completed and reviews by lead designer.

| 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 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 Velled 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

sew Studio Egret West
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©2015 SEW ltd

Client: Mayfield Partnership

Project: Mayfield Park

Drawing Title: Wildscape Area

| 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-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

sew Studio Egret West
3 Brewhouse Yard
London
EC1V 4JQ
0207 549 1730
hello@egretwest.com
egretwest.com
©2015 SEW ltd

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

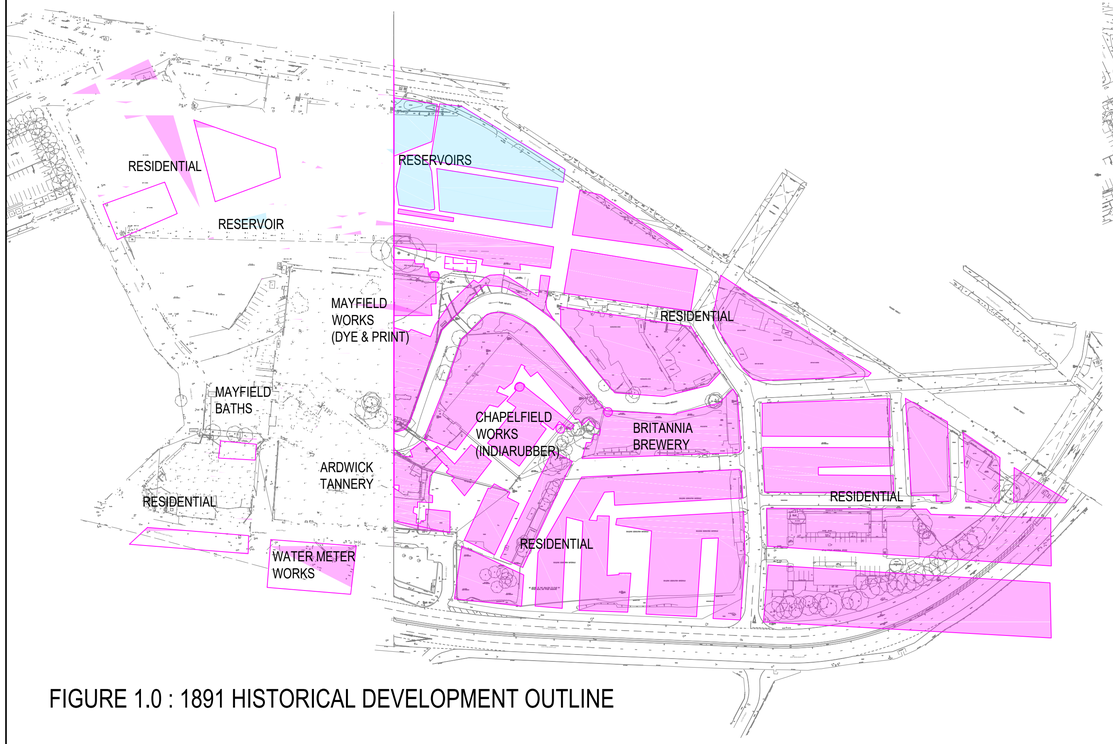



FIGURE 1.0 : 1891 HISTORICAL DEVELOPMENT OUTLINE

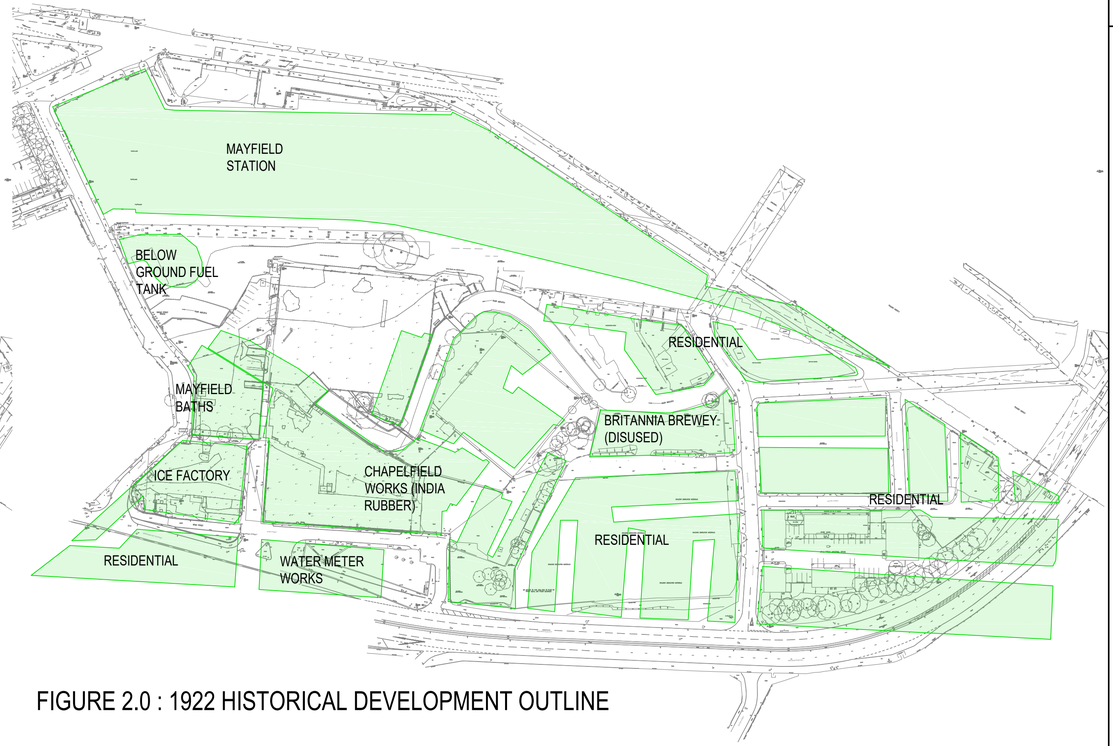



FIGURE 2.0 : 1922 HISTORICAL DEVELOPMENT OUTLINE

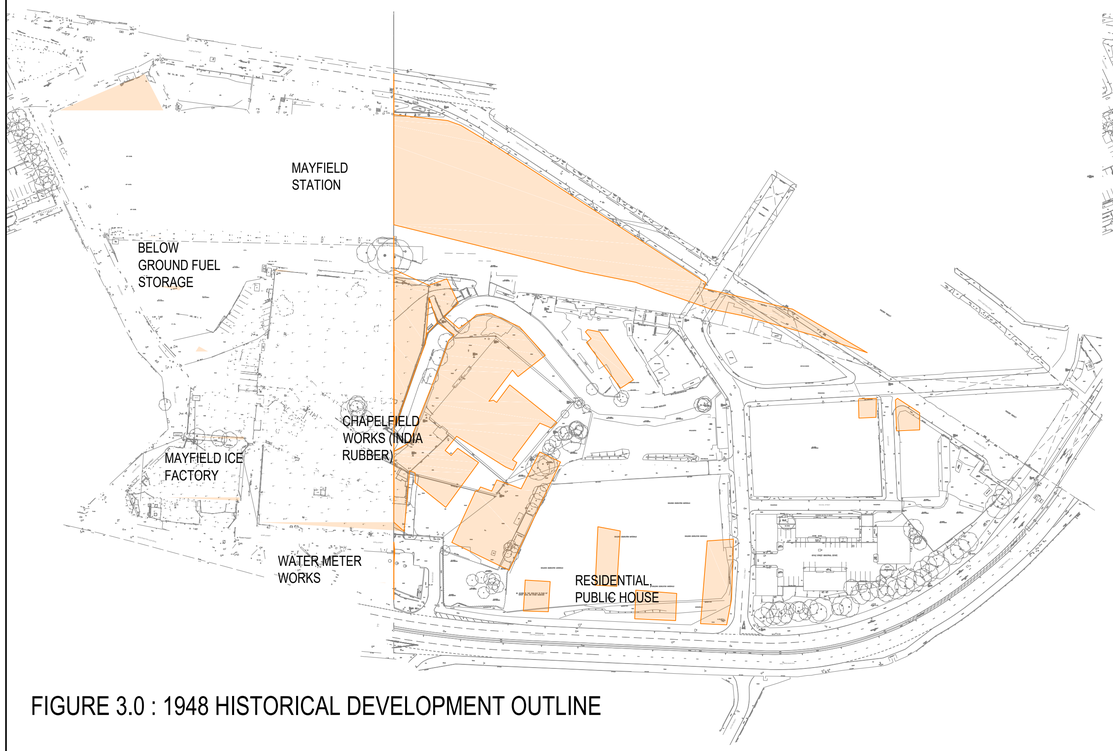



FIGURE 3.0 : 1948 HISTORICAL DEVELOPMENT OUTLINE

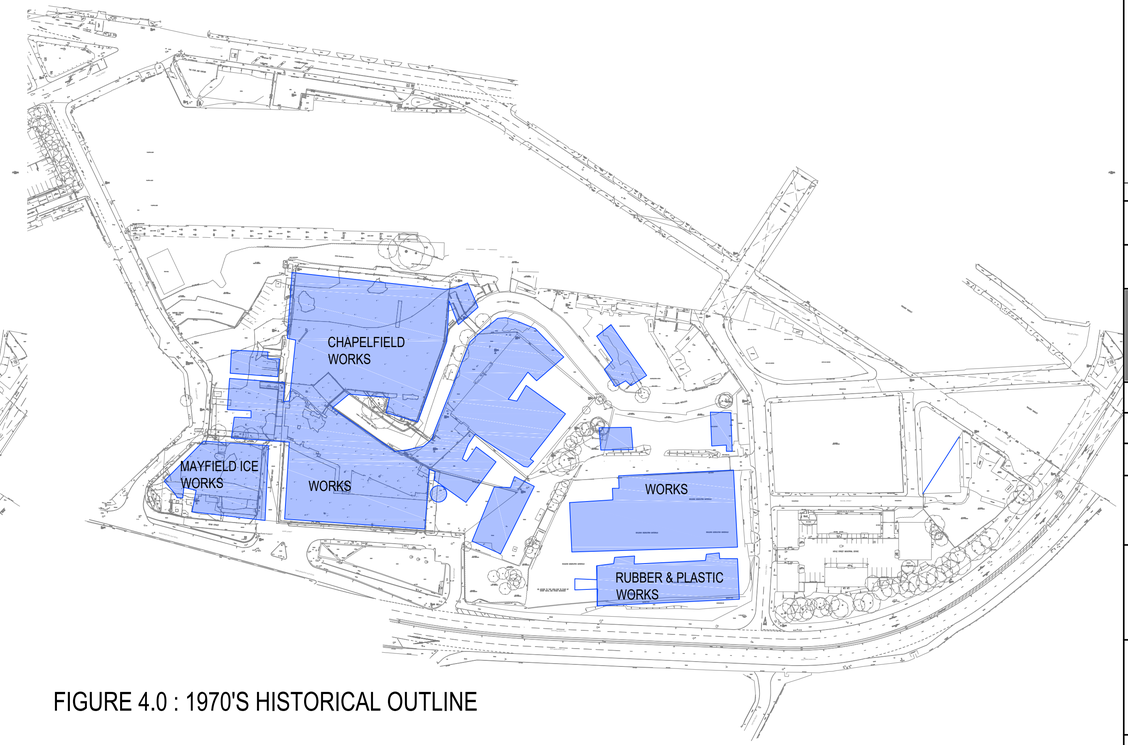



FIGURE 4.0 : 1970'S HISTORICAL OUTLINE

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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

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DRAWING STATUS
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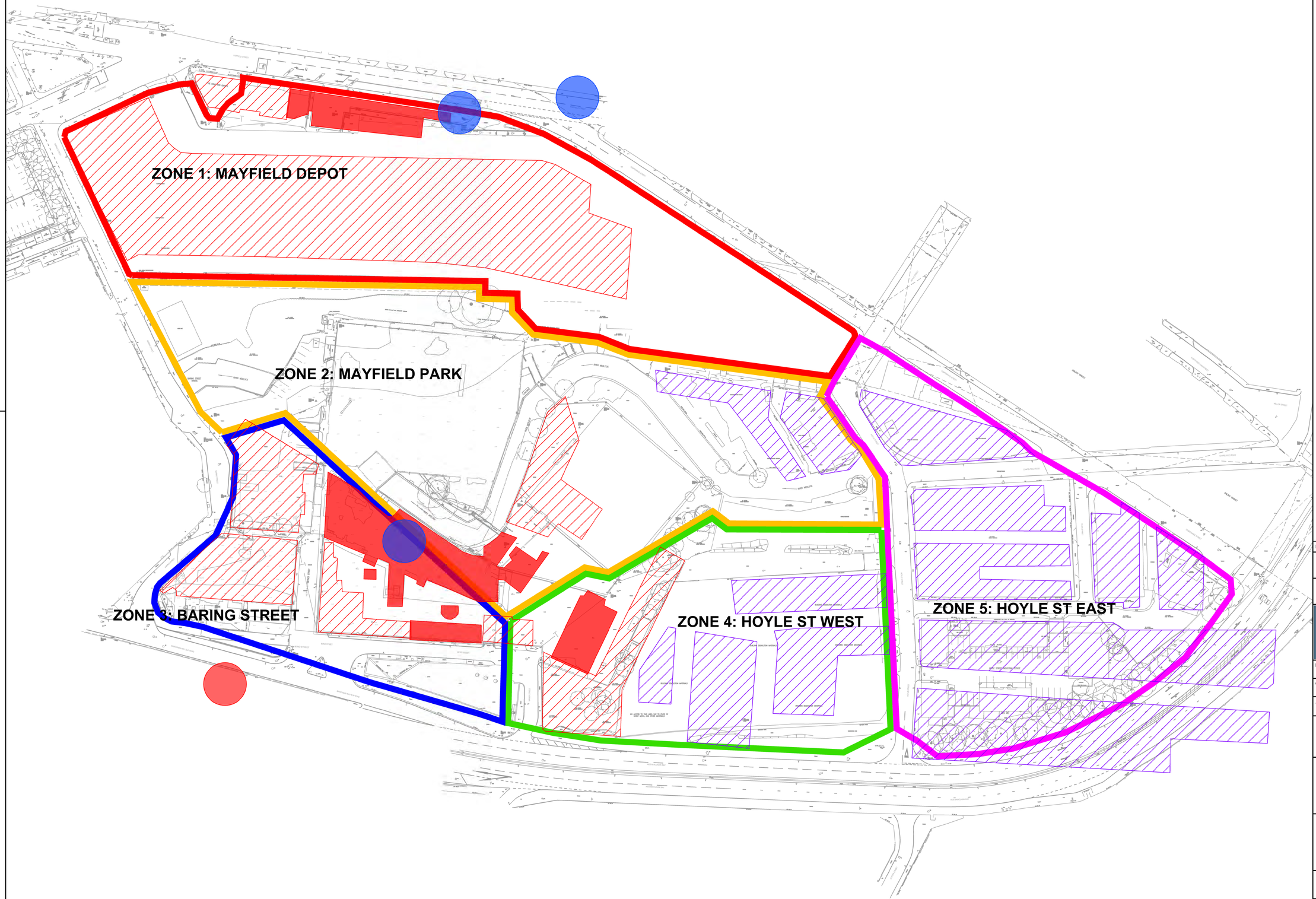
CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD

DRAWING TITLE
HISTORIC DEVELOPMENT OVERVIEW

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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.

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

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CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD

DRAWING TITLE
UNEXPLODED ORDNANCE MAPPING RECORDS

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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

RIVER MEDLOCK

NETHER STREET

BOND STREET

## 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
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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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CCESS :
ID

RESTRICTED ACCESS : RIVER MEDLOCK CULVERT (APPROX)

WS306 WS312 RO102 WS317
WS311A TP315 SA1 TP313 TP310 WS307 TP311 SA2 WS314 WS318
WS332 RO101 WS304 PH302 PH302a PH312
WS308 BH301
H04B PH303 WS309
PP TP101 PP TP102 TP314 TP312 PP TP104
WS303 WS310 RO103 TP312A PH304 PH305 PH310 WS313
TP103 PP TP103 PH306 TP309 WS315
TT03 REC BH05 REC TP05 PH313 WS319
TT05 REC BH03A PH311 WS316
PH308

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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

- WS01 — ROC 2020 MAYFIELD PARK CABLE TOOL BOREHOLE LOCATION
- WS#13 — ROC 2020 MAYFIELD PARK WINDOW SAMPLER BOREHOLE LOCATION
- TP##A — ROC 2020 MAYFIELD PARK TRIAL PIT LOCATION
- WS#17 — ROC 2020 MAYFIELD PARK BOREHOLE WITH MONITORING WELL
- PH01 — ROC 2020 RIVER MEDLOCK FOUNDATION EXPOSURE LOCATION
- BH#01 — 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
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- 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

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PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
SI ZONE 1 EXPLORATORY HOLE LOCATION PLAN

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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
- TP10A — ROC 2020 MAYFIELD PARK TRIAL PIT LOCATION
- WS301 — 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 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

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- 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

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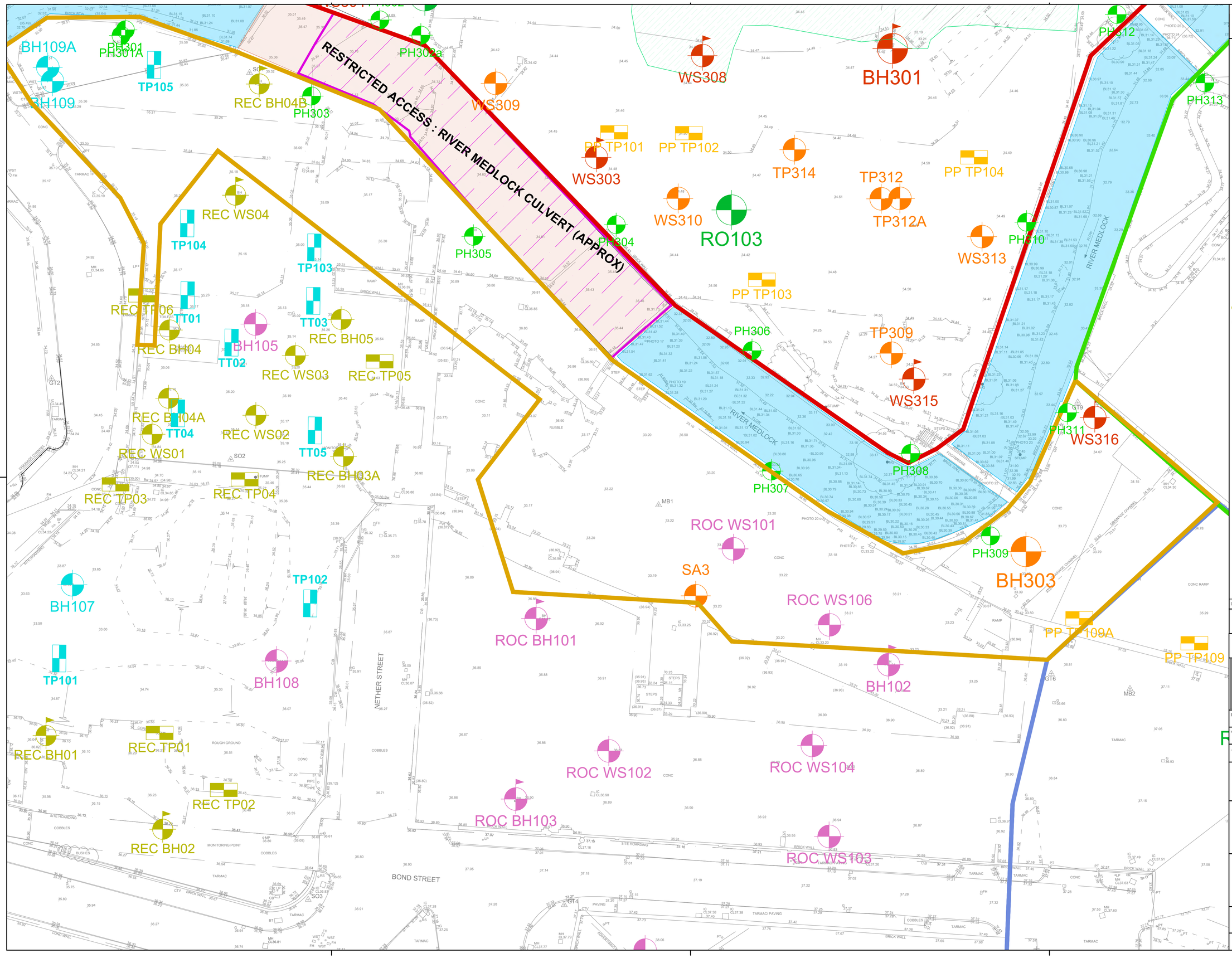
CLIENT: MAYFIELD PARTNERSHIP LTD

PROJECT TITLE: MAYFIELD MASTERPLAN

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

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## NOTES

REFER 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
- TP101A — ROC 2020 MAYFIELD PARK TRIAL PIT LOCATION
- WSRT — 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 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

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- 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

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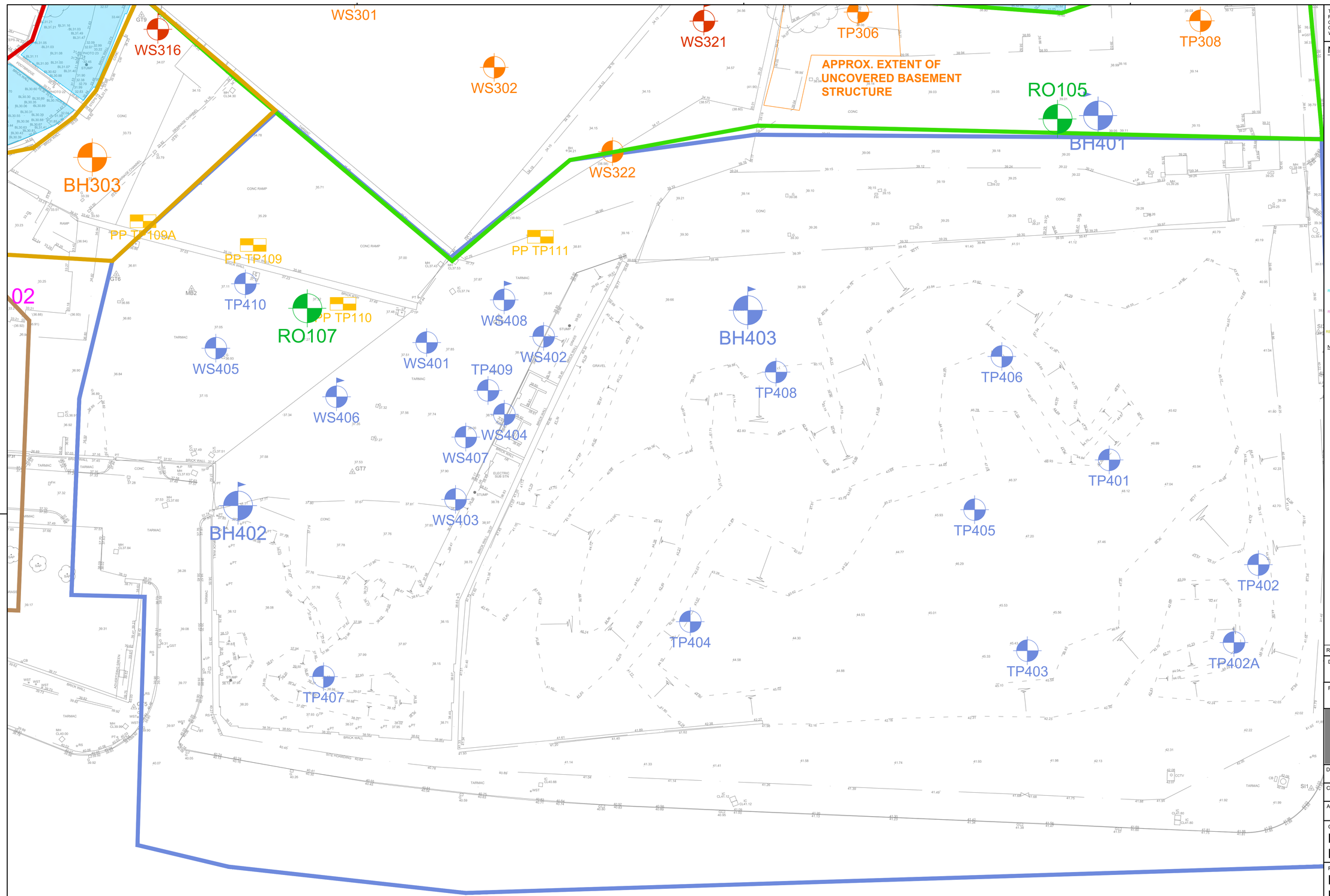
CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
SI ZONE 4 EXPLORATORY HOLE LOCATION PLAN

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## NOTES

ES201 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

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

ADDITIONAL 2021 GROUNDWATER INVESTIGATION

- ROC 2021 SI LOCATION : GROUNDWATER

PREVIOUS ROC GROUND INVESTIGATIONS

- ROC 2020 SI LOCATION: PLOTS O & N
- ROC 2019 SI LOCATION: PLOT M
- 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. |
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INFORMATION

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CLIENT
MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
ZONE 5 HOYLE ST W EXPLORATORY HOLE LOCATION PLAN

| PROJECT No. | DRAWING No. | REV. |
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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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DRAWING STATUS
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RIBA STAGE

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MAYFIELD PARTNERSHIPS LTD

PROJECT TITLE
MAYFIELD MASTERPLAN

DRAWING TITLE
SITE WIDE MONITORING WELL LOCATION PLAN

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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
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30.05

| REV. | DATE | DETAILS | DRN. | CHK. |
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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

PH00A — 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 PH307

PH313

PH308
NOT COMPLETED DUE TO SITE OBSTRUCTIONS

PH309

PH310

PH312A

PH313

PH311

PH320

PH314

PH315

PH316

NOT COMPLETED DUE TO ON SITE OBSTRUCTIONS

PH318

PH317
NOT COMPLETED DUE TO ANTICIPATED DEPTH OF RIVER WALL

RIVER MEDLOCK

BOND STREET

NETHER STREET

| REV. | DATE | DETAILS | DRN. | CHK. |
|---|---|---|---|---|

DRAWING STATUS
INFORMATION

RIBA STAGE

| | | |
|---|---|---|
| DRAWN RM | DATE DEC 2020 | SCALES NTS |
| CHECKED AS | DATE DEC 2020 | THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE –DO NOT SCALE– |
| APPRVD. AS | DATE DEC 2020 | EMAIL FOR DRAWINGS 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 @ 30.80mAOD — 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

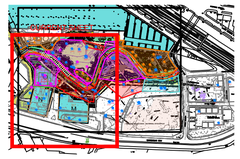
5) EXPLORATORY HOLE LOCATIONS CONJECTURED FROM THE FOLLOWING REPORTS :

- 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/LDIAS/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:

| | | |
|---|---|---|
| DRAWN: LD | DATE: OCT 2020 | SCALES: NTS |
| 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 @ 30.80mAOD — 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) 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/LDIAS/4134/P2_4134) FOR FINDINGS OF SITE INVESTIGATION WORKS.

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

WEATHERED SS
9mAOD

THERED SS
.07mAOD

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

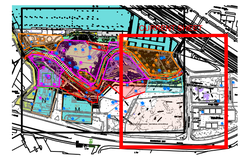
WS209
WEATHERED SS
@ 39.30mAOD

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

| | | |
|---|---|---|
| DRAWN LD | DATE OCT 2020 | SCALES NTS |
| 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) EASTERN SITE

| PROJECT No. | DRAWING No. | REV. |
|---|---|---|
| 4153 | GE102 | R1 |

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## NOTES

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)

AWIN N TE

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 :

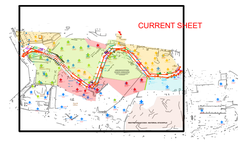
- REC LTD PLOT O & N PHASE 2 SITE INVESTIGATION DATED 2019

6) PLEASE REFER TO ROC CONSULTING PHASE 2 SITE INVESTIGATION REPORT DATED SEPT 2020 (REF:ROCP/LD/AS/4134P2_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

RIBA STAGE

| | | |
|---|---|---|
| DRAWN AS | DATE FEB 2021 | SCALES NTS |
| CHECKED LD | DATE FEB 2021 | THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE –DO NOT SCALE– |
| APPRVD. AS | DATE FEB 2021 | EMAIL FOR DRAWINGS 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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LIMITED GROUND INVESTIGATION INFORMATION IN AREA OF FORMER DIRT FACTORY. ASSUMED BOUNDARY BETWEEN ALLUVIUM AND SHALLOW BEDROCK TO BE CONSIDERED APPROXIMATE

WS314 WEATHERED SS @ 32.97mAOD

WS317 CLAY LAYER 34.29 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

WS319 ALLUVIUM @ 32.49 TO 29.84mAOD

PH313 ALLUVIUM @ 30.83 TO 30.23mAOD

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

PP110 ALLUVIUM @ 32.78mAOD

WS315 GLACIAL CLAY 32.98 to 29.58mAOD

PH308 ALLUVIUM @ 31.54mAOD

TP312A ALLUVIUM @ 33.28mAOD

H301 VIUM @ 32.35 to mAOD

ROC BH102

LB−E1 LB−E2 LB−E3 LB−E4 LB−E5 LB−E6 LB−E7 LB−E8 LB−E9 LB−E10

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

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## NOTES

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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)

AWIN N TE

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5) EXPLORATORY HOLE LOCATIONS CONJECTURED FROM THE FOLLOWING REPORTS :

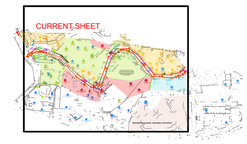
- REC LTD PLOT O & N PHASE 2 SITE INVESTIGATION DATED 2019

6) PLEASE REFER TO ROC CONSULTING PHASE 2 SITE INVESTIGATION REPORT DATED SEPT 2020 (REF ROCP/LDASH/134/P3_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




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

| | | |
|---|---|---|
| DRAWN AS | DATE FEB 2021 | SCALES NTS |
| CHECKED LD | DATE FEB 2021 | THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE –DO NOT SCALE– |
| APPRVD. AS | DATE FEB 2021 | EMAIL FOR DRAWINGS 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 |

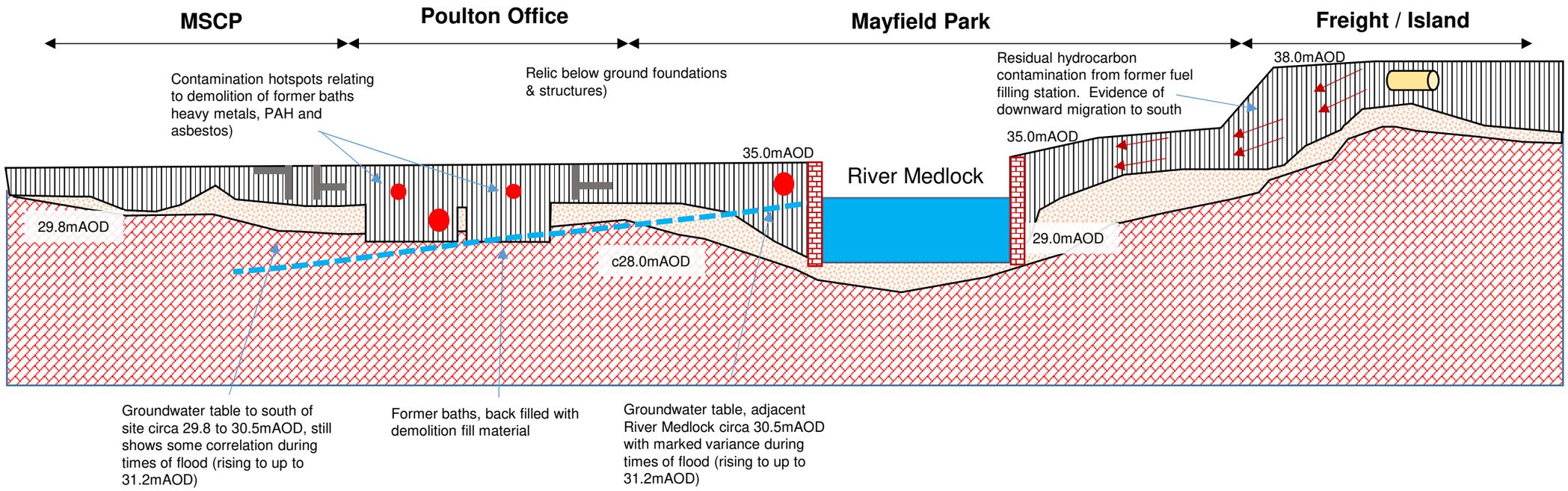
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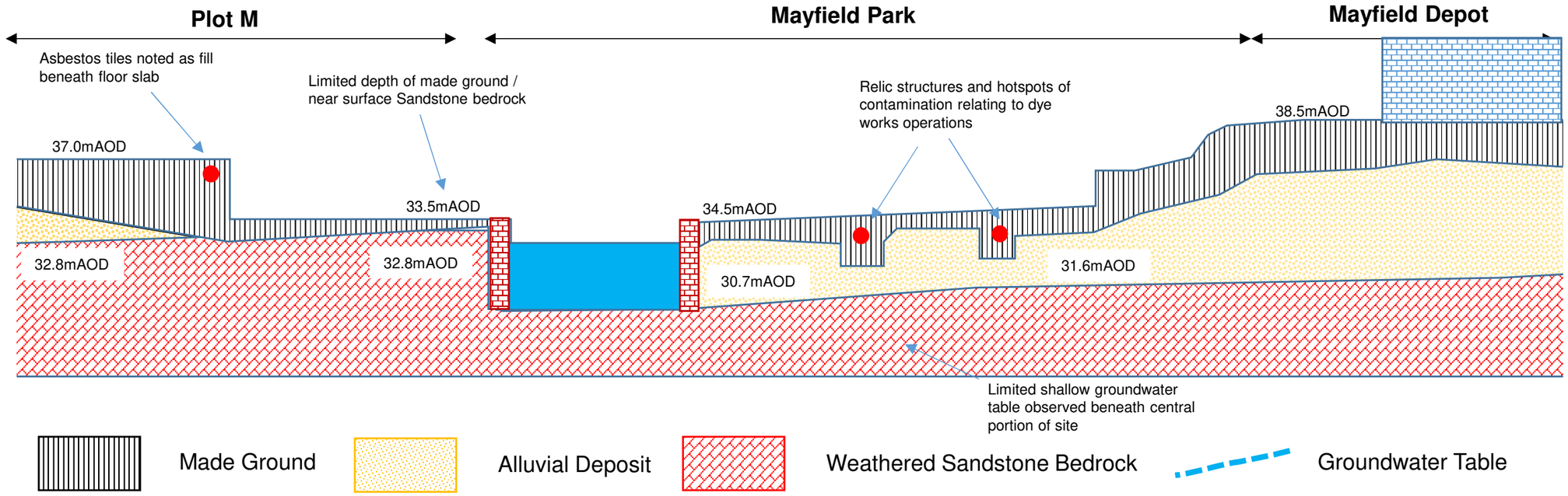

| | | | | | |
|---|---|---|---|---|---|
| RoC CONSULTING | JOB NO | 4153 | SKETCH NO | CSM101 | DRAWN BY : AS 10 / 12 / 20 |
| | PROJECT TITLE | Mayfield Park | SKETCH TITLE | Conceptual Model Cross Section | |

COMPLEX CHALLENGES ... MADE SIMPLE

## Section A-A : Western Conceptual Site Section



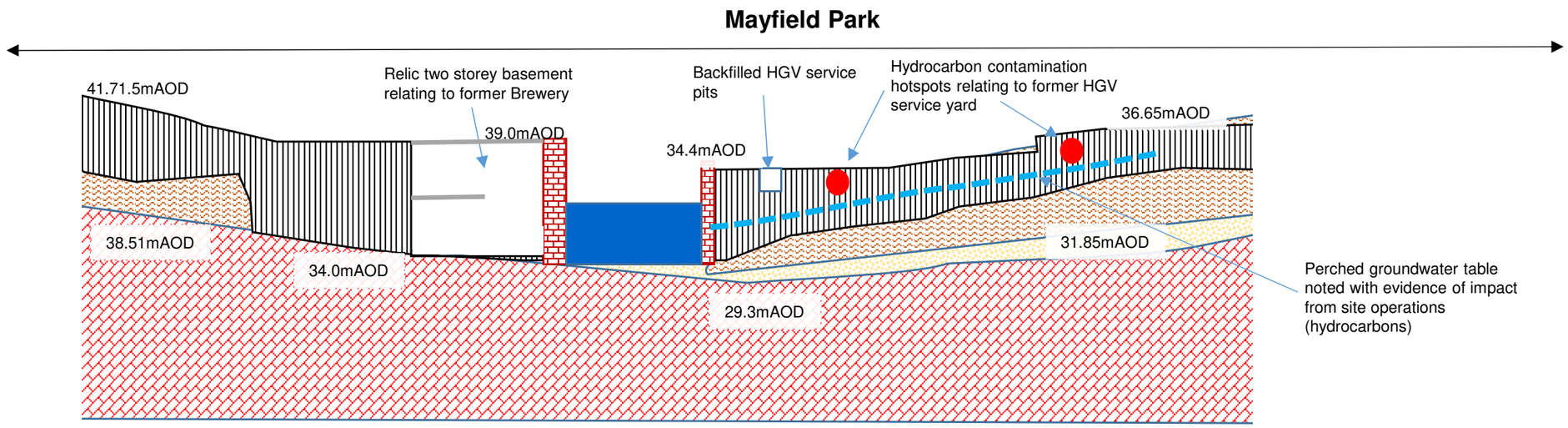

## Section B-B : Central Conceptual Site Section




| | | | | |
|---|---|---|---|---|
| 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 | |

COMPLEX CHALLENGES ... MADE SIMPLE

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## NOTES

WSOC NO EVIDENCE OF CONTAMINATION REPORTED

BSOC 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 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

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

| REV. | DATE | DETAILS | DRN. | CHK. |
|---|---|---|---|---|
| 2 | 10/03/21 | E3P TRIAL HOLES ADDED | RM | AS |

DRAWING STATUS
INFORMATION

RIBA STAGE

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

CLIENT
MAYFIELD PARTNERSHIP LTD

PROJECT TITLE
MAYFIELD PARK

DRAWING TITLE
REMEDIATION STRATEGY: INORGANIC HOTSPOT LOCATIONS

| PROJECT No. | DRAWING No. | REV. |
|---|---|---|
| 4153 | REM101 | 2 |

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KEY PLAN

HC SOURCE 3

HC SOURCE 1

HC SOURCE 2

## NOTES

WS305 NO EVIDENCE OF CONTAMINATION REPORTED

BH301 EVIDENCE OF TPH IMPACTED SOILS

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 106841P2R0)
- ROC CONSULTING 2019 PLOT M SITE INVESTIGATION (REF LD/AS/P23886)
- 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
- 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

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:

| DRAWN | DATE | SCALES |
|---|---|---|
| ES | DEC 20 | SCALE |
| CHECKED AS | DATE DEC 20 | THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE –DO NOT SCALE– |
| APPRVD. AS | DATE DEC 20 | EMAIL FOR DRAWINGS info@rocconsulting.com |

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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HC SOURCE 3

RO104
30.03mAOD
Strong HC Odour

WS323
36.00 to 36.15mAOD
Slight HC Odour

34.83 to 33.43mAOD:
Strong HC Odour

WS327

34.15 to 33.85mAOD:
Strong HC Odour

TP305

34.21 33.71mAOD:
Strong HC Odour

WS329A

WS326

HC SOURCE 1

TP304

BH302
33.92mAOD:
Strong HC Odour

WS328
33.03 to 32.63mAOD:
Strong HC Odour
32.63 to 29.03mAOD:
Moderate HC Odour

WS324
33.00 to 32.50mAOD
Slight Organic Odour

WS331

PH316A

WS321

PH317

TP308

HC SOURCE 2

RO107
31.82 to 31.42mAOD:
Strong HC Odour

WS401
34.28> mAOD:
Strong HC Odour

TP409
37.84 t0 37.09 mAOD:
Strong HC Odour

WS404
38.16 mAOD:
Strong HC Odour

HC SOURCE 3

WS304
33.40 to 33.20mAOD:
HC Odour

RO101

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## NOTES

WGW NO EVIDENCE OF CONTAMINATION REPORTED IN AQUIFER

BKGW 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
- 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

RO101

PLOT O BH110
Arsenic

RO102
Arsenic

RO103

RO104
TPH Aro C12 - C16

RO105
Benzo(a)pyrene
(reported at DWS value, not above)

RO106

RO107
PAH (Naphalene & Total PAH)
TPH Aro C5 - C21

PLOT M BH102
PAH (Benzo(a)pyrene & Naphthalene

PLOT N BH108

RIVER MEDLOCK

BARKING STREET

NETHER STREET

BOND STREET

| REV. | DATE | DETAILS | DRN. | CHK. |
|---|---|---|---|---|

DRAWING STATUS
INFORMATION

RIBA STAGE

| | | |
|---|---|---|
| DRAWN AS | DATE MAR 21 | SCALES SCALE |
| CHECKED AS | DATE MAR 21 | THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE-- |
| APPRVD. AS | DATE MAR 21 | EMAIL FOR DRAWINGS 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0.24 | 34.26 | | CONCRETE with 10mm rebar (MADE GROUND) |
| | | 0.30 - 0.80 | B | | 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<br>1.20 | B<br>SPT | N=20 (4,2/2,9,4,5) | | | | Loose brick masonry wall (MADE GROUND) |
| | | 2.00 - 2.50<br>2.00 | B<br>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<br>3.00 | B<br>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<br>4.00 | B<br>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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | 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 | B | | | | | |
| | | 1.20 | SPT | N=13 (3,4/6,3,2,2) | | | | |
| | | 1.50 | ES | | | | | |
| | | 2.00 | ES | | | | | |
| | | 2.00 - 2.50 | B | | | | | |
| | | 2.00 | 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 | D | | | | | |
| | | 3.00 - 3.50 | UT | Ublow=27 | | | | |
| | ▼ | 4.00 - 4.50 | B | | | | | |
| | | 4.00 | 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 | | | | | |

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 |
| 5.50 | 150 | 5.50 | 150 | 4.90<br>5.30 | 5.00<br>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<br>5.30 | 5.00<br>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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 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<br>1.20 | B<br>SPT | N=10 (1,2/3,3,2,2) | | | | |
| | | 2.00 - 2.50<br>2.00 | B<br>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<br>3.00 | B<br>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<br>4.00 | B<br>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) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | Depth (m) | Type | Results | | | | |
| | | 0.05 - 0.60 | B | | | | | ASPHALT (MADE GROUND) |
| | | | | | 0.20 | 37.45 | | |
| | | 0.50 | ES | | | | | Brown slightly clayey sandy angular fine to coarse brick GRAVEL. (MADE GROUND) |
| | | 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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | 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<br>1.20 | B<br>SPT | N=47 (9,8/9,11,12,15) | | | | |
| | | 2.00 - 2.50<br>2.00 | B<br>SPT | 50 (9,12/50 for 126mm) | | | | |
| | | 3.00 - 3.40<br>3.00 | B<br>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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.50 | ES | | | | | 0.10 | 34.53 | | Concrete slab (MADE GROUND) |
| | | | | | | | | | | | 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) |

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 | 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) |

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 | 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) |

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 | 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<br>0.50 | ES<br>PID | PID=25.00 | | | | Loose dark brown slightly clayey slightly sandy fine to coarse sub angular to sub rounded GRAVEL of brick, coal mudstone and concrete (MADE GROUND)<br>*…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)<br>*…potential ACM* |
| | | 2.00<br>2.00 | SPT<br>PID | N=2 (1,0/0,1,0,1)<br>PID=0.00 | | | | |
| | | 3.00<br>3.00 | SPT<br>PID | N=1 (1,0/0,1,0,0)<br>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<br>4.00 | SPT<br>PID | N=6 (0,1/2,1,1,2)<br>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 |

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 | 5.30 | | |
| 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) | Level (m) | Legend | Stratum Description | |
|---|---|---|---|---|---|---|---|---|---|
| | | Depth (m) | Type | Results | | | | | |
| | | | | | | | | Vegetation over dark brown slightly sandy silty CLAY with frequent roots and rootlets (TOPSOIL) | |
| | | | | | 0.30 | 33.96 | | | |
| | | 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 |
| | | 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 |
| | | 2.00 | PID | PID=0.00 | | | | | |
| | | | | | | | | *…light brown sandy gravel* | |
| | | 3.00 | SPT | N=5 (3,2/1,1,2,1) | | | | | 3 |
| | | 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 |
| | | 4.00 | PID | PID=0.00 | | | | | |
| | | 5.00 | SPT | N=15 (0,0/2,4,4,5) | | | | | 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<br>0.50 | ES<br>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<br>1.30 | ES<br>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<br>2.20 | ES<br>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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 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 | | | | | |
| | | 1.00 | 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) | | | | |
| | | 2.00 | 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) | | | | |
| | | 3.00 | PID | PID=0.00 | | | | |
| | ▼ | | | | | | | *…becoming wet* |
| | | 4.00 | SPT | N=2 (0,0/0,0,1,1) | | | | |
| | | 4.00 | PID | PID=0.00 | | | | |
| | | | | | | | | *…becoming greyish brown, medium dense* |
| | | 5.00 | SPT | N=11 (4,3/3,3,2,3) | | | | |

| 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 | 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<br>1.40 | 300<br>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 |

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 | 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 | | | | |
| | | | | | | | | Concrete slab (MADE GROUND) |
| | | | | | 0.15 | 39.05 | | Brick masonry recovered as fine to coarse sub angular to angular Gravel. With high cobble content of broken bricks (MADE GROUND) |
| | | | | | 0.40 | 38.80 | | 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) |
| | | 0.50 - 0.60 | ES | | | | | |
| | | | | | | | | *…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) |

| 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 | | | | |
| | | | | | 5.45 | 33.75 | | Orange mottled greyish brown SAND (WEATHRED CHESTER SANDSTONE FORMATION) |
| | | | | | | | | 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 | | | | |
| | | | | | | | | Concrete Slab (MADE GROUND) |
| | | | | | 0.20 | 34.11 | | Intact brick masonry (MADE GROUND) |
| | | | | | 0.40 | 33.91 | | 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 |
| | | 4.00 | SPT | N=8 (0,1/0,1,1,6) | | | | *…medium to fine sub angular to sub rounded gravel of mudstone and sandstone* | 4 |
| | | | | | | | | *…becoming clayey* | |
| | | 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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 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)<br>*…mudstone cobble*<br>*…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<br>1.20 | ES<br>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) | | | | Medium dense becoming dense reddish brown gravelly fine to medium SAND. Gravel is subangular to subrounded sandstone and rare quartz and mudstone (WEATHERED BEDROCK) |
| | | | | | 5.45 | 29.00 | | 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 | | | | |
| | | | | | | | | Light brown slightly gravelly SAND. Gravel is fine sub angular to angular of limestone (MADE GROUND) |
| | | | | | 0.30 | 34.15 | | |
| | | 0.40 | ES | | | | | Reddish brown sandy slightly clayey fine to coarse sub angular to angular GRAVEL of brick (MADE GROUND) |
| | | 0.60 | ES | | | | | |
| | | | | | | | | *…black ashy gravelly band gravel fine to medium sub angular of clinker* |
| | | | | | 0.70 | 33.75 | | Brown sandy fine to coarse sub angular to angular GRAVEL of brick and concrete (MADE GROUND) |
| | | 1.00 | SPT | N=13 (4,2/1,3,4,5) | 1.00 | 33.45 | | Brown slightly gravelly CLAY. Gravel is fine to medium sub angular to angular of brick. (MADE GROUND) |
| | | | | | 1.40 | 33.05 | | Loose brown clayey SAND (ALLUVIUM) |
| | | | | | 1.70 | 32.75 | | Very dense orangish brown very gravelly SAND gravel fine to medium sub rounded to rounded of sandstone mudstone and quartz (WEATHERED SANDSTONE) |
| | | 2.00 | SPT | 50 (6,7/50 for 155mm) | | | | |
| | | | | | | | | *…becoming orangish brown* |
| | | | | | 2.35 | 32.10 | | End of Borehole at 2.350m |

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<br>2.00 | 300<br>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) | | | | *...at 2.10mbgl: refusal on bedrock* |
| | | | | | 2.11 | 32.36 | | 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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0.25 | 34.03 | | Concrete slab (MADE GROUND) |
| | | 0.40 | ES | | 0.30 | 33.98 | | Yellowish brown sandstone flags (MADE GROUND) |
| | | | | | 0.50 | 33.78 | | 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) |
| | | | | | | | | Light brown sandy gravelly CLAY (GLACIAL TILL) |
| | | 1.00 - 2.00 | B | | | | | 1 |
| | | 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) | | | | 2 |
| | | 3.00 | SPT | N=7 (1,0/1,2,2,2) | | | | 3 |
| | | | | | | | | *…sand becoming coarse* |
| | | 4.00 | SPT | N=25 (8,7/6,7,6,6) | | | | 4 |
| | | | | | 4.70 | 29.58 | | Very sandy fine to medium sub angular to rounded GRAVEL of mudstone (GLACIAL TILL) |
| | | | | | 5.00 | 29.28 | | 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 | 5.12 | | |
| 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)<br>End of Borehole at 5.120m |

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| 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 | | |
| | | 1.50 - 1.80 | ES | | | | | Brown with occasional orangish brown sand patch silty SAND with frequent roots rootlets and vegetal matter throughout (RELIC TOPSOIL) |
| | | 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 |

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| 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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 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 | | Soft dark orangish brown very sandy gravelly CLAY. Gravel is fine to medium sub angular of brick, concrete and other lithologies (MADE GROUND) |
| | | 1.20 | SPT | N=5 (1,1/0,1,2,2) | | | | |
| | | 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) | | | | |
| | | 2.00 | PID | PID=0.00 | | | | |
| | | | | | | | | *…becoming soft* |
| | | 3.00 | SPT | N=4 (0,1/2,1,0,1) | 3.00 | 32.21 | | Loose brown very clayey SAND (ALLUVIUM) |
| | | 3.00 | PID | PID=0.00 | | | | |
| | | 4.00 | SPT | N=48 (0,4/7,14,18,9) | 4.00 | 31.21 | | Dense becoming very dense orangish brown very gravelly SAND (Suspected 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 | 5.43 | | |
| 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<br>1.00 | ES<br>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 |

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| 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<br>1.50 | 96<br>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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 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 |

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| 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 |

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| 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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 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<br>0.50 | ES<br>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)<br>Soft brown very sandy CLAY (ALLUVIUM) |
| | | 2.00<br>2.00 | SPT<br>PID | N=6 (1,1/1,2,2,1)<br>PID=0.00 | 2.00 | 32.81 | | Loose brown fine to medium SAND (ALLUVIUM)<br>*…becoming wet* |
| | | 3.00<br>3.00 | SPT<br>PID | N=5 (2,1/1,1,1,2)<br>PID=0.00 | | | | |
| | | | | | | | | *…becoming light brown medium sand* |
| | | 4.00<br>4.00 | SPT<br>PID | N=50 (8,8/50 for 285mm)<br>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<br>2.00<br>3.00<br>4.00 | 300<br>97<br>87<br>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 | | | | | Black sandy fine to medium sub angular to angular GRAVEL of clinker (MADE GROUND) |
| | | | | | 0.26 | 34.74 | | 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 | | | | | |
| | | 1.20 | 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) |
| | | | | | 1.85 | 33.15 | | Very loose brown clayey fine to medium SAND (ALLUVIUM) |
| | | 2.00 | SPT | N=2 (1,0/0,1,0,1) | | | | |
| | | 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) |

| 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) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | Depth (m) | Type | Results | | | | |
| | | | | | 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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 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 (3,4/5,6,5,6) | | | | *...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<br>1.20 | ES<br>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<br>2.00<br>3.00 | 300<br>97<br>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 |

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| 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 | | | | |
| | | | | | | | | Concrete (MADE GROUND) |
| | | | | | 0.15 | 34.34 | | Compacted brick fill with concrete, mortar and rare ash (MADE GROUND) |
| | | | | | 0.90 | 33.59 | | Greyish brown sandy angular fine to coarse GRAVEL of brick with rare ash (MADE GROUND) |
| | | | | | 2.00 | 32.49 | | 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 |
| | | | 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) |
| | | | | | 1.00 | 32.18 | | Sandstone recovered as orangish brown sand (WEATHERED CHESTER SANDSTONE FORMATION) |
| | | | | | | | | 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<br>0.50 | B<br>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<br>1.00 | D<br>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 | | | | |
| | | | | | 0.30 | 35.03 | | Brown slighlty sandy gravelly organic CLAY. Gravel fine to medium sub angular to angular of brick, limestone and concrete. (MADE GROUND) |
| | | 0.40 | ES | | | | | Brown slightly clayey sandy sub angular to angular fine to coarse GRAVEL of brick concrete and slate. (MADE GROUND) |
| | | | | | 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 | D | | | | | |
| | | 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 | | | | |
| | | | | | | | | Dark brown slightly clayey SAND with frequent roots and rootlets (TOPSOIL) |
| | | | | | 0.20 | 34.83 | | |
| | | 0.40 | B | | | | | Black clayey gravelly SAND. Gravel sub angular to angular of brick and clay pipe. Strong hydrocarbon odour (MADE GROUND) |
| | | 0.40 | ES | | | | | *…at 0.30mbgl metal pipework* |
| | | | | | | | | *…at 0.40mbgl section of brickwall and steel beam* |
| | | 1.20 | ES | | | | | |
| | | 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 |

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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: 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<br>0.50 - 0.60 | B<br>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<br>1.00 | D<br>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 |

| 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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0.30 | 34.35 | | Grass over brown organic clayey medium SAND with frequent roots and rootlets (TOPSOIL) |
| | | 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) |
| | | 0.50<br>0.50 | B<br>ES | | 0.35 | 34.13 | | 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 |

| 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) | Type | Results | Depth (m) | Level (m) | Legend | Stratum Description |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 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<br>1.00 - 1.50 | ES<br>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 |

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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 | 1.50 | | 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<br>0.50 - 1.00 | ES<br>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) |
| | | | | | | | | *…from 1.00mbgl: occasional pockets of brick cobbles* |
| | | 1.50 | ES | | | | | |
| | | | | | | | | *…from 1.80mbgl: High cobble content of brick and concrete* |
| | | 2.50 | ES | | | | | |
| | | 3.50 | ES | | | | | |
| | | | | | 3.70 | 43.59 | | 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 |
| 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<br>1.00 | B<br>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<br>0.50 | B<br>ES | | | | | |
| | | | | | 0.70 | 36.47 | | Light brown sandy sub angular to angular, fine to coarse GRAVEL of limestone. (MADE GROUND)<br>*…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

| | |
|---|---|
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| 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

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 9: TP303



Photo No. 10: TP303

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 11: TP303

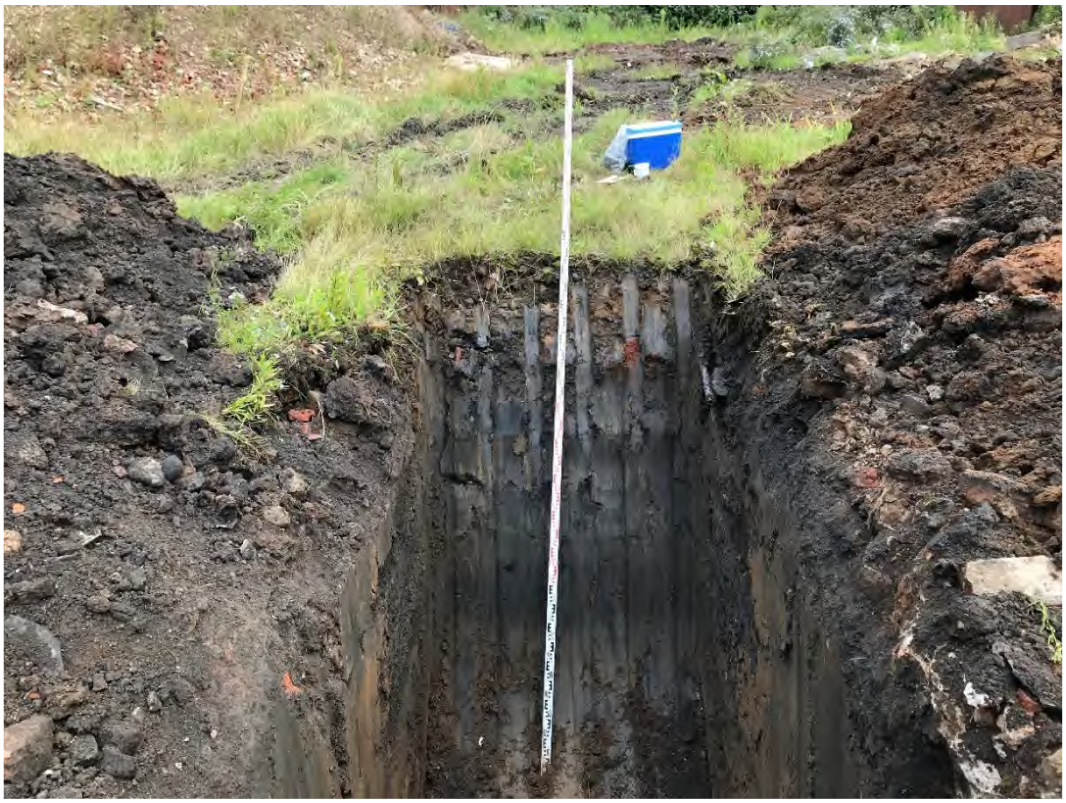


Photo No. 12: TP303

| | |
|---|---|
| Client: | Mayfield Partnership Ltd |
| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 13: TP303 Arisings



Photo No. 14: TP304

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 13: TP304



Photo No. 14: TP304

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 15: TP304



Photo No. 16: TP304 Arisings

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 17: TP304 Arisings



Photo No. 18: TP305

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 19: TP305



Photo No. 20: TP305

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 21: TP305



Photo No. 22: TP305 Arisings

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 23: TP308



Photo No. 24: TP308

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 25: TP308



Photo No. 26: TP309

| | |
|---|---|
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| 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

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 31: TP310



Photo No. 32: TP310

| | |
|---|---|
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| Project Name: | Mayfield |
| Project No.: | 4153 |

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Photo No. 33: TP310



Photo No. 34: TP310 Suspected dye works contamination

| | |
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Photo No. 35: TP310 Clay pipe



Photo No. 36: TP311

| | |
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Photo No. 37: TP311



Photo No. 38: TP311

| | |
|---|---|
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Photo No. 39: TP311



Photo No. 40: TP311 Arisings

| | |
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Photo No. 41: TP312



Photo No. 42: TP312

| | |
|---|---|
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Photo No. 43: TP312



Photo No. 44: TP312

| | |
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Photo No. 45: TP312 Arisings




Photo No. 46: TP312 Arisings

| | |
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Photo No. 45: TP313 – concrete block at 2.0 -2.8m in southern pit face



Photo No. 46: TP314

| | |
|---|---|
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Photo No. 1: TP401



Photo No. 2: TP401

| | |
|---|---|
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| Project No.: | 4153 |

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Photo No. 3: TP402



Photo No. 4: TP402 Arisings

| | |
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Photo No. 5: TP402A



Photo No. 6: TP402 + TP402A locations

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Photo No. 7: TP403



Photo No. 8: TP403

| | |
|---|---|
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| Project No.: | 4153 |

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Photo No. 9: TP403 Arisings



Photo No. 10: TP403 Arisings / Suspected Contamination

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| Project No.: | 4153 |

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Photo No. 11: TP403 Arisings



Photo No. 12: TP403 Arisings

| | |
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| Project No.: | 4153 |

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Photo No. 13: TP404



Photo No. 14: TP404 Arisings

| | |
|---|---|
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| Project No.: | 4153 |

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Photo No. 15: TP405



Photo No. 16: TP405 Arisings

| | |
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| Project No.: | 4153 |

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Photo No. 17: TP405



Photo No. 18: TP405 Arisings

| | |
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| Project No.: | 4153 |

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Photo No. 19: TP407



Photo No. 20: TP407

| | |
|---|---|
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| Project No.: | 4153 |

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Photo No. 21: TP408



Photo No. 22: TP408

| | |
|---|---|
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| Project Name: | Mayfield Park |
| Project No.: | 4153 |

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Photo No. 23: TP409



Photo No. 24: TP409

| | |
|---|---|
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| Project Name: | Mayfield Park |
| Project No.: | 4153 |

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Photo No. 25: TP409



Photo No. 26: TP409

| | |
|---|---|
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| Project No.: | 4153 |

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Photo No. 27: TP409 Arisings



Photo No. 28: TP410

| | |
|---|---|
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| Project No.: | 4153 |

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Photo No. 29: TP410



Photo No. 30: TP410

| | |
|---|---|
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| Project No.: | 4153 |

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Photo No. 31: TP410



Photo No. 32: TP410 Arisings

| | |
|---|---|
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| 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 |

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: 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 |

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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: 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 |

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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: 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 |

| 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 |

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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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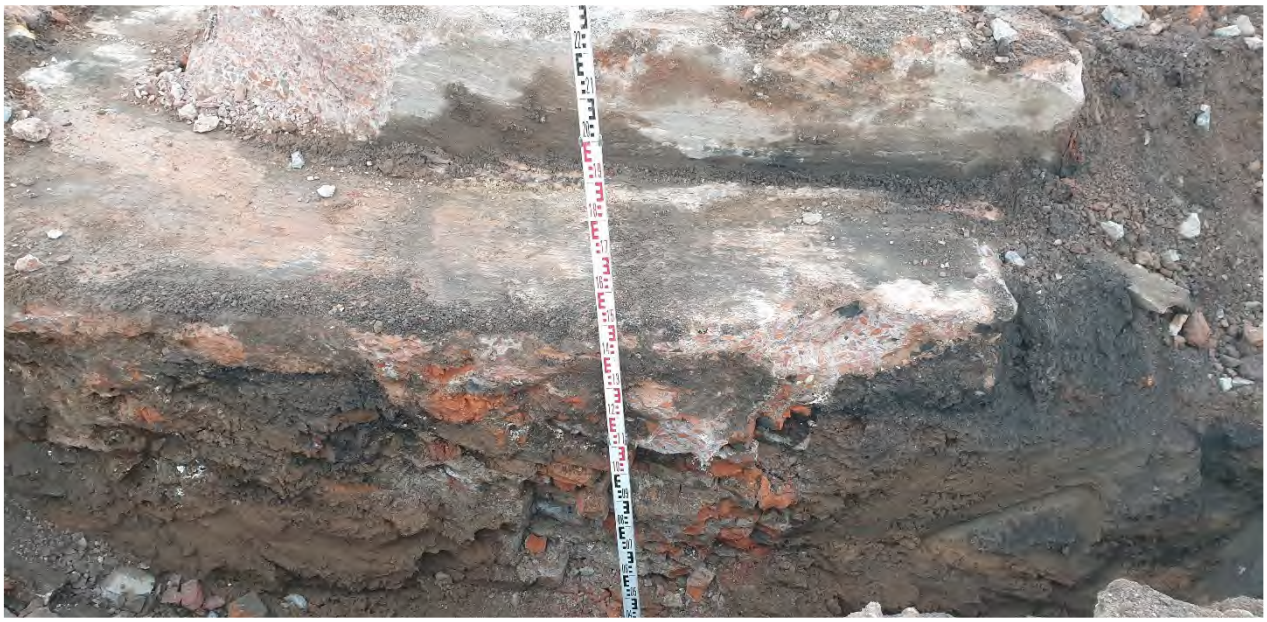


Plate No. 9: PP TP104



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

| | |
|---|---|
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| 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

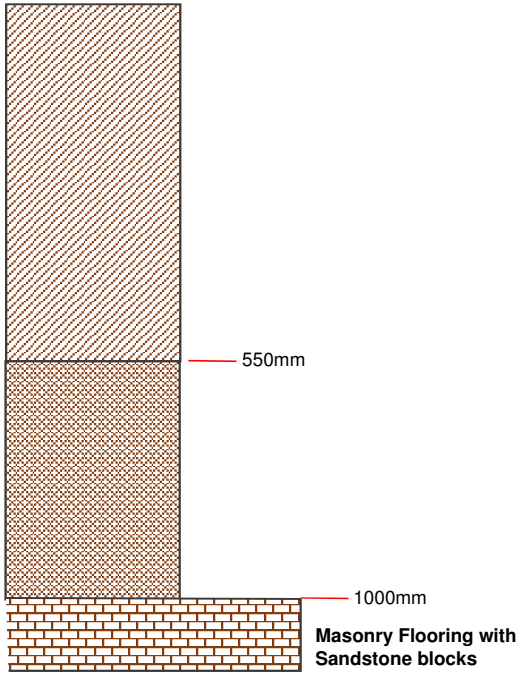
**PHOTOGRAPHIC RECORD**







**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

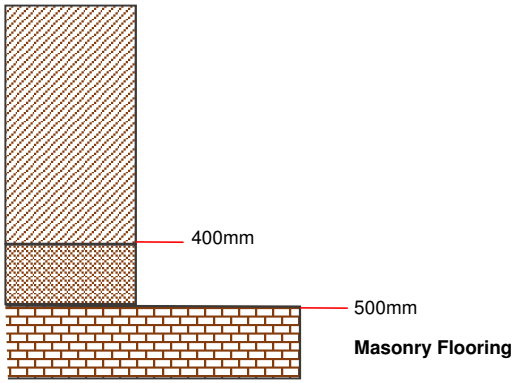
**PHOTOGRAPHIC RECORD**







**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

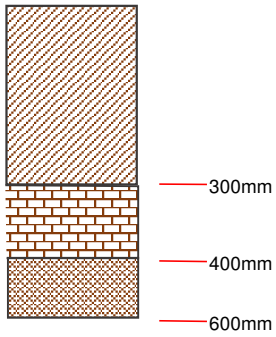
**PHOTOGRAPHIC RECORD**







**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

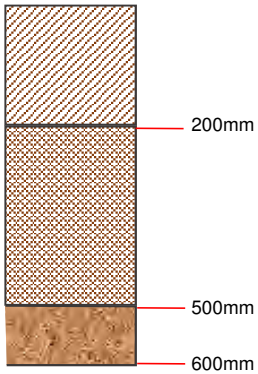
| | | | | |
|---|---|---|---|---|
| JOB NO | 4153 | SKETCH NO | TT01 | DRAWN BY |
| PROJECT TITLE | Mayfield Park | SKETCH TITLE | Dirt Factory Trial Trench Logs | RM |

# 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 |

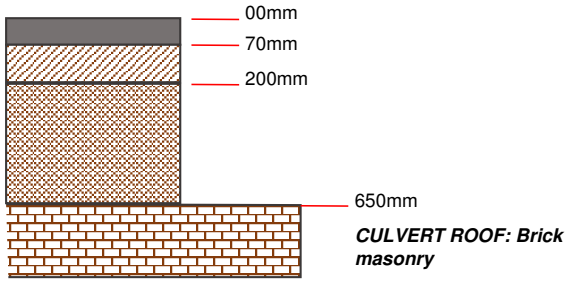
# Trial Pit ref: PH302

**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

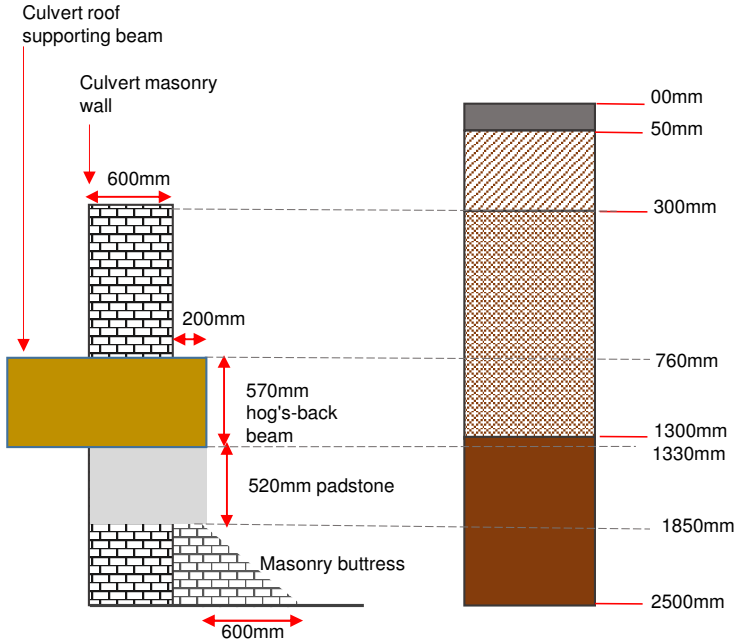
**PHOTOGRAPHIC RECORD**








**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

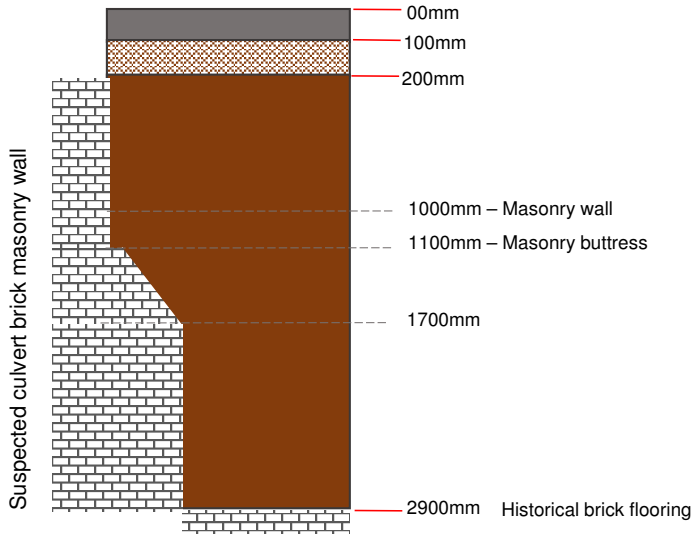
| | | | | |
|---|---|---|---|---|
| JOB NO | 4153 | SKETCH NO | FE01 | DRAWN BY |
| PROJECT TITLE | Mayfield Park | SKETCH TITLE | River Wall Foundation Exposure Trial Pit Logs | SM |

# 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 |

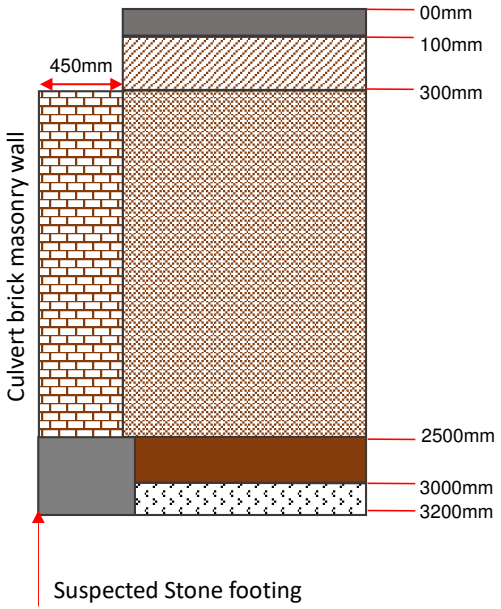
# Trial Pit ref: PH303

**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**



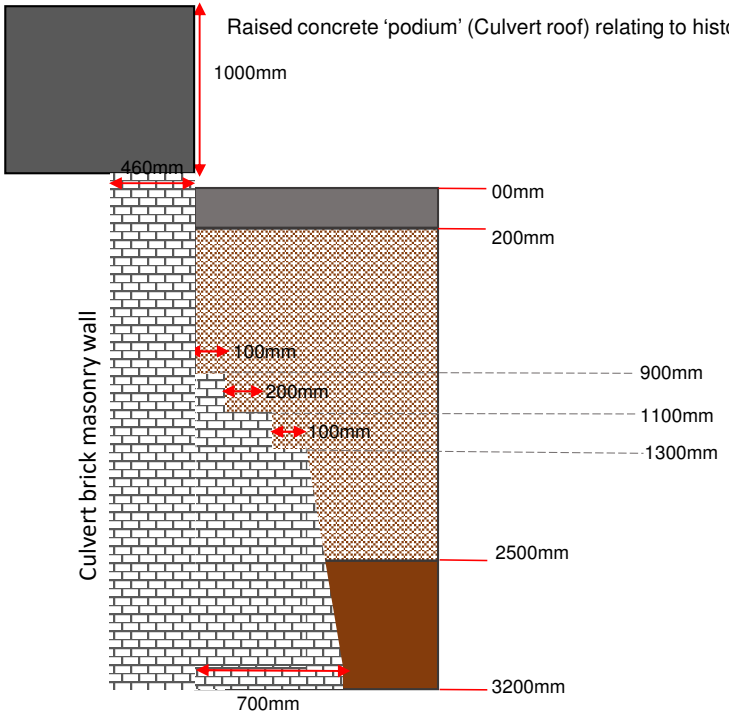


Stepped brick masonry



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

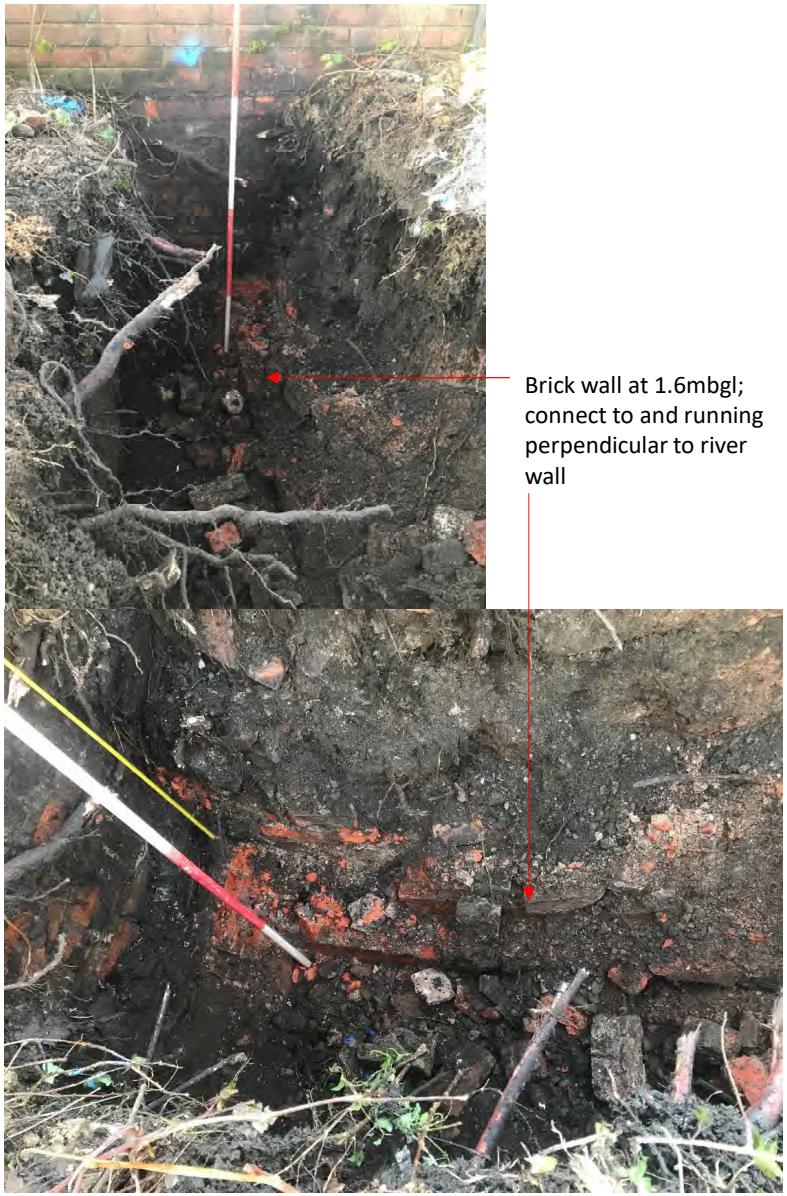
**Notes:**

- **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**

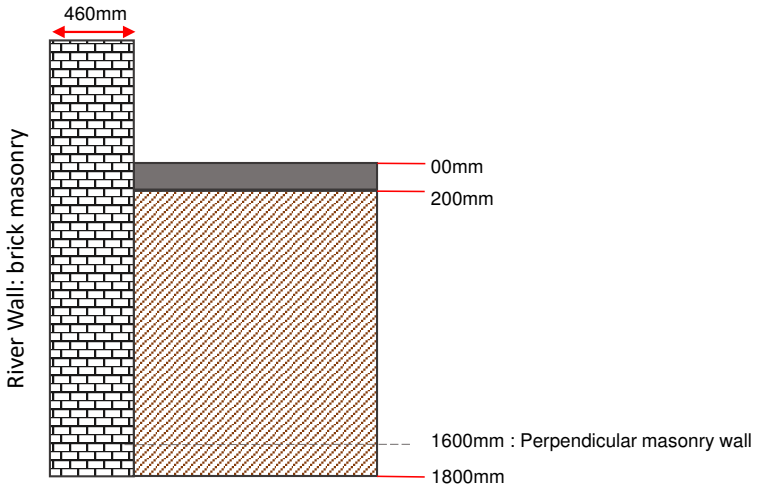
| | | | | |
|---|---|---|---|---|
| JOB NO | 4153 | SKETCH NO | FE01 | DRAWN BY |
| PROJECT TITLE | Mayfield Park | SKETCH TITLE | River Wall Foundation Exposure Trial Pit Logs | SM |

# 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

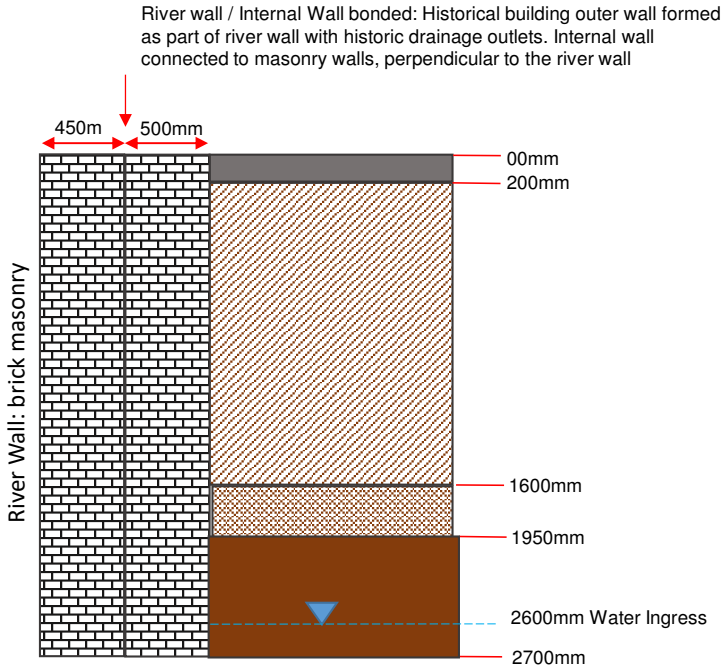
| | | | | |
|---|---|---|---|---|
| JOB NO | 4153 | SKETCH NO | FE01 | DRAWN BY |
| PROJECT TITLE | Mayfield Park | SKETCH TITLE | River Wall Foundation Exposure Trial Pit Logs | SM |

# 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

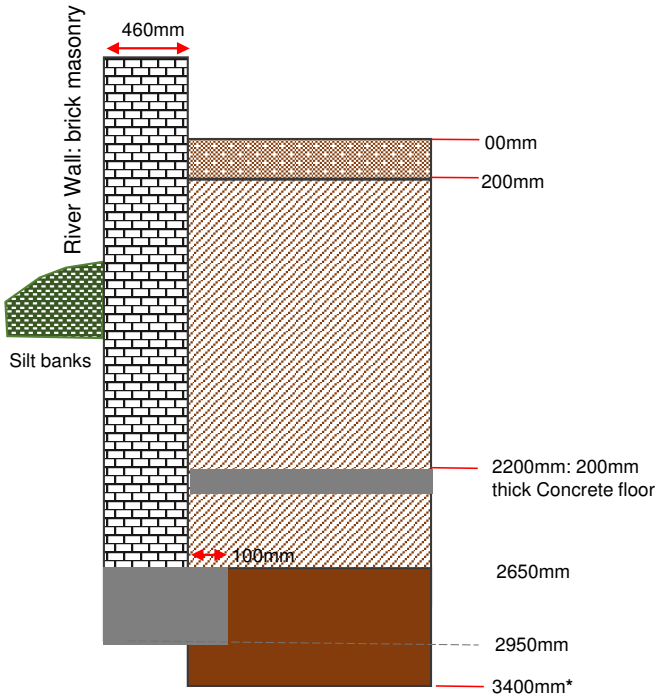
| | | | | |
|---|---|---|---|---|
| JOB NO | 4153 | SKETCH NO | FE01 | DRAWN BY |
| PROJECT TITLE | Mayfield Park | SKETCH TITLE | River Wall Foundation Exposure Trial Pit Logs | SM |

# 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 |

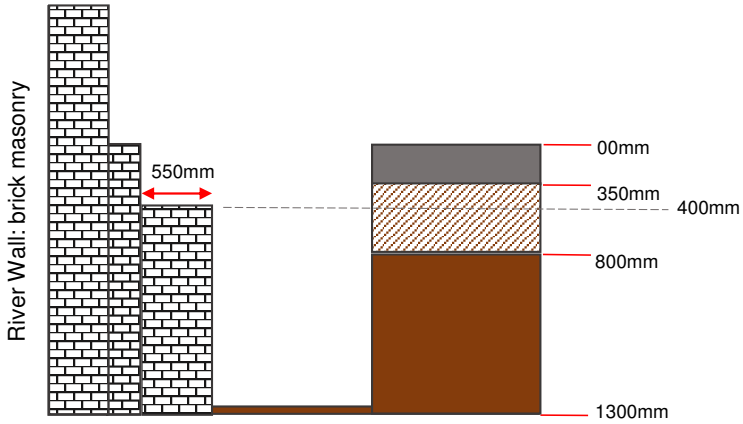
# Trial Pit ref: PH309

**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

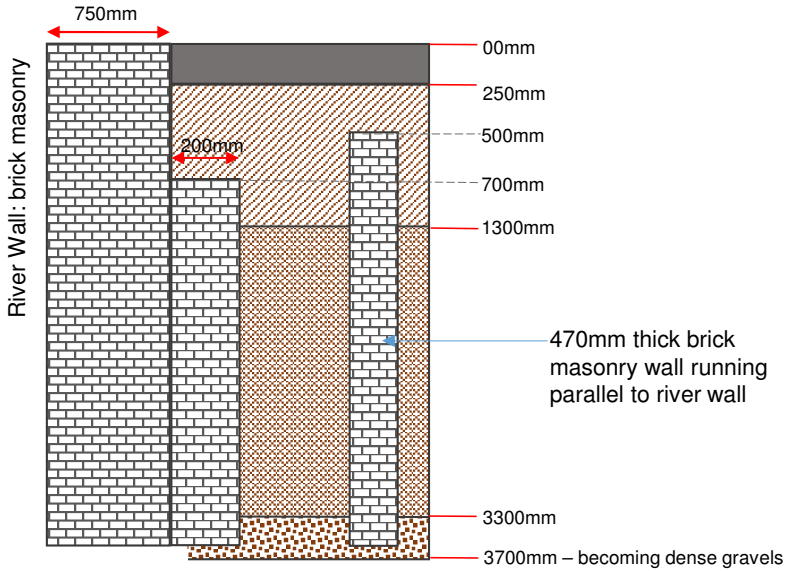
**PHOTOGRAPHIC RECORD**







**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

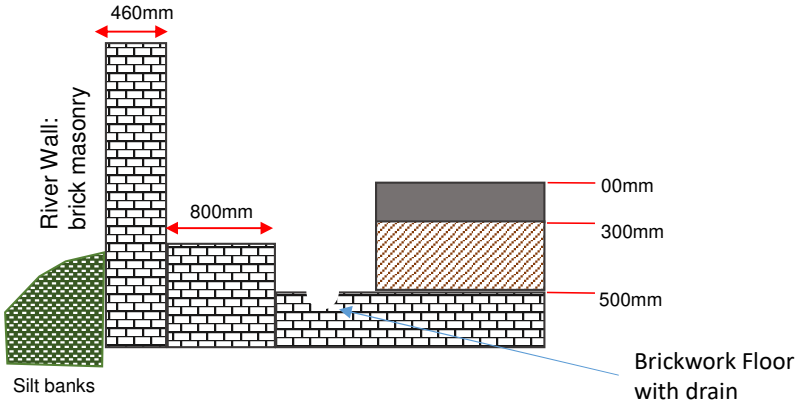
| | | | | |
|---|---|---|---|---|
| JOB NO | 4153 | SKETCH NO | FE01 | DRAWN BY |
| PROJECT TITLE | Mayfield Park | SKETCH TITLE | River Wall Foundation Exposure Trial Pit Logs | SM |

# 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

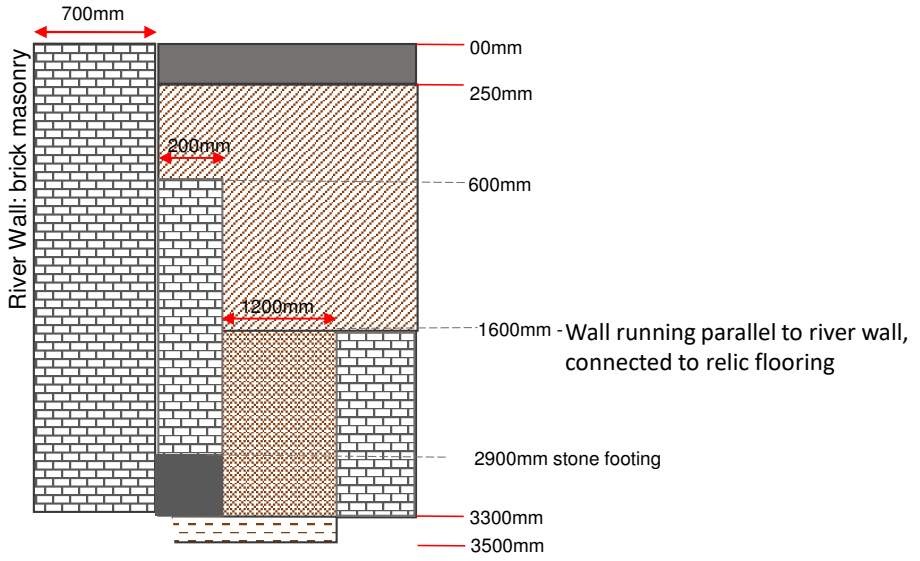
| | | | | |
|---|---|---|---|---|
| JOB NO | 4153 | SKETCH NO | FE01 | DRAWN BY |
| PROJECT TITLE | Mayfield Park | SKETCH TITLE | River Wall Foundation Exposure Trial Pit Logs | SM |

# 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 |

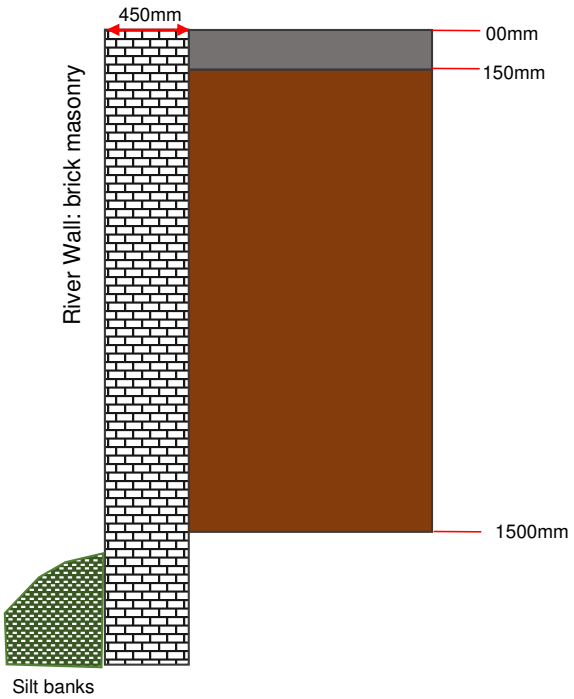
# Trial Pit ref: PH314

**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

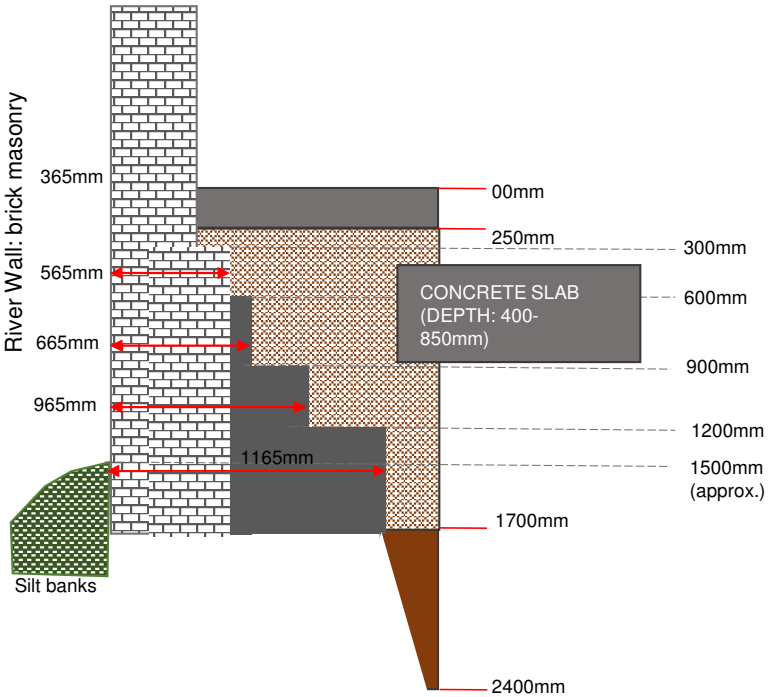
**PHOTOGRAPHIC RECORD**







**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

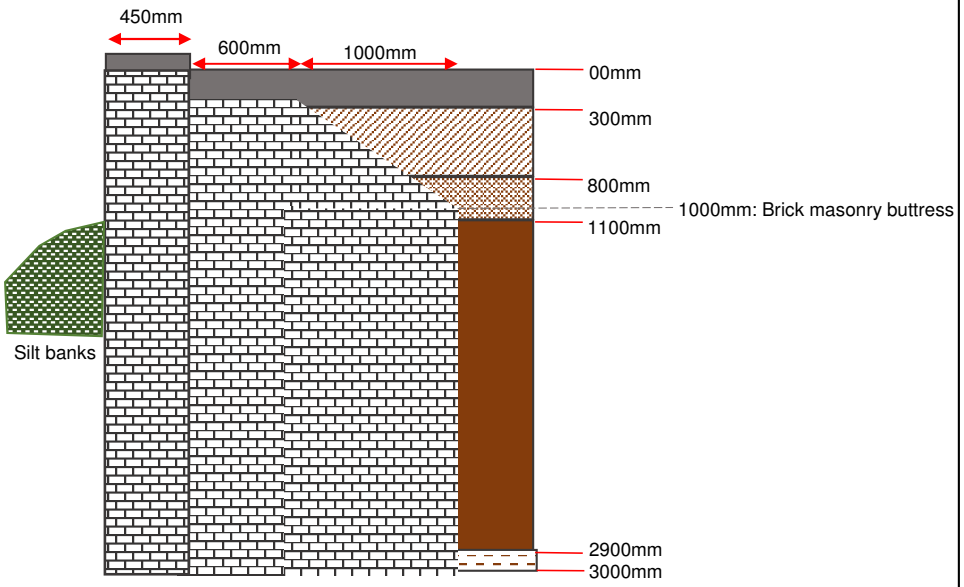
| | | | | |
|---|---|---|---|---|
| JOB NO | 4153 | SKETCH NO | FE01 | DRAWN BY |
| PROJECT TITLE | Mayfield Park | SKETCH TITLE | River Wall Foundation Exposure Trial Pit Logs | SM |

# Trial Pit ref: PH316

**PHOTOGRAPHIC RECORD**




**CROSS SECTION**



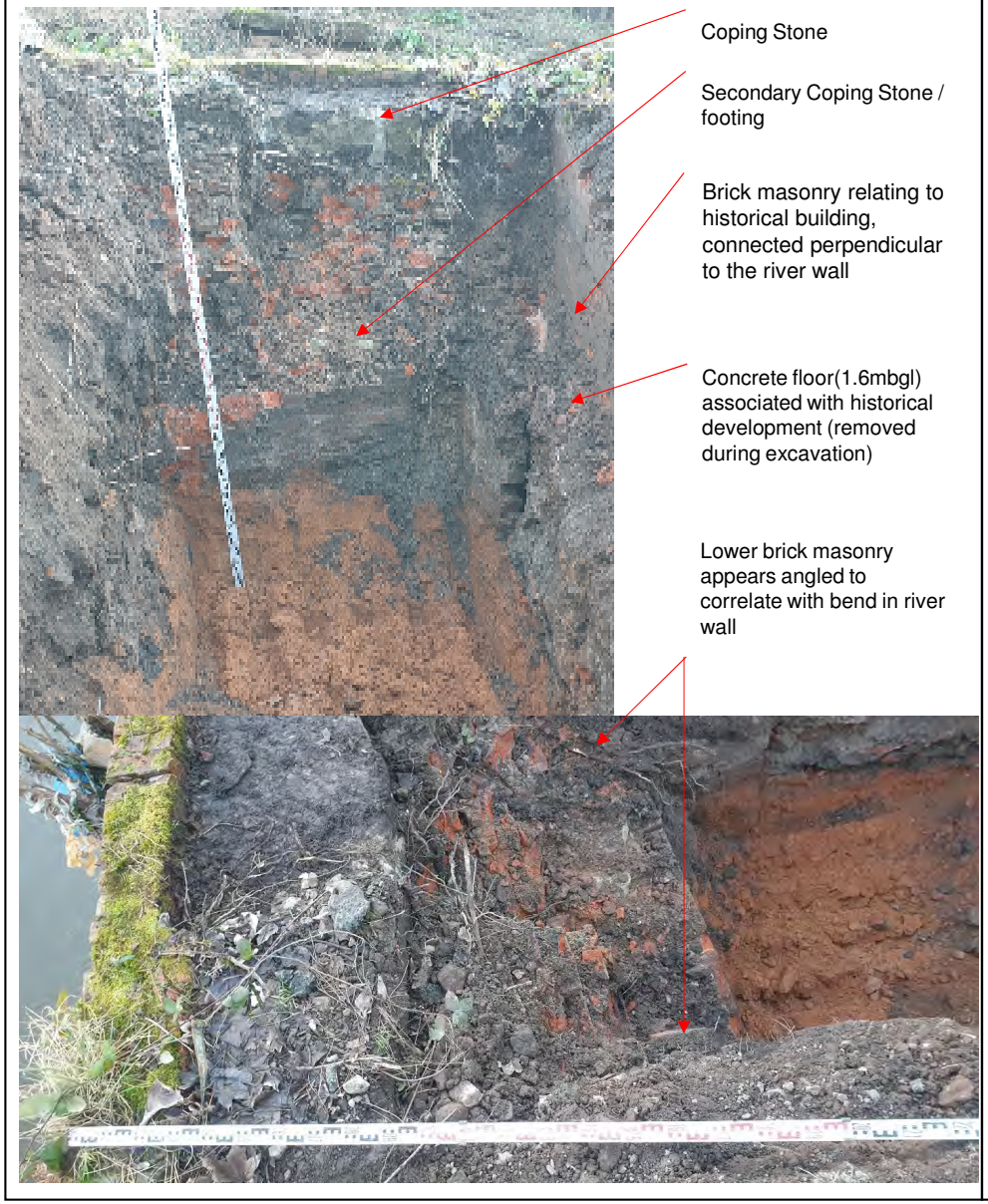

**GEOLOGICAL KEY**

- 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

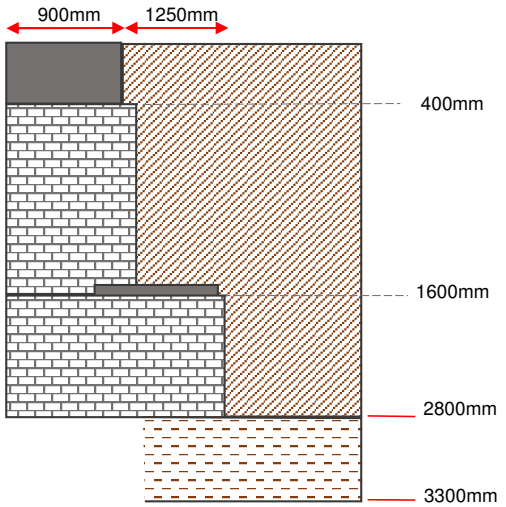
| | | | | |
|---|---|---|---|---|
| JOB NO | 4153 | SKETCH NO | FE01 | DRAWN BY |
| PROJECT TITLE | Mayfield Park | SKETCH TITLE | River Wall Foundation Exposure Trial Pit Logs | SM |

# 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

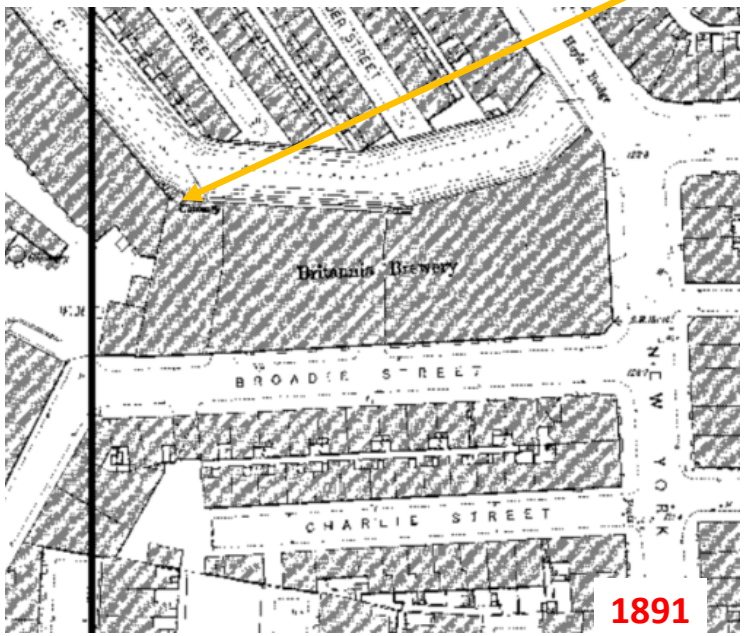
| | | | | |
|---|---|---|---|---|
| JOB NO | 4153 | SKETCH NO | FE01 | DRAWN BY |
| PROJECT TITLE | Mayfield Park | SKETCH TITLE | River Wall Foundation Exposure Trial Pit Logs | SM |

# Mayfield Park : Britannia Brewery, Broadie Street




1856

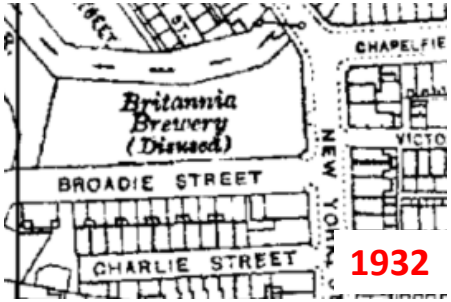
Chimney Feature



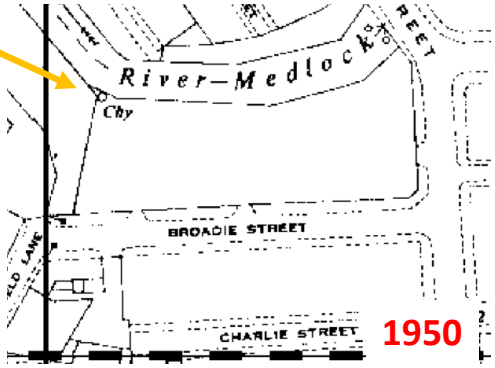

1891




c.1890




1932




1950

## Mayfield Park : Britannia Brewery, Broadie Street



# Mayfield Park : Britannia Brewery, Broadie Street



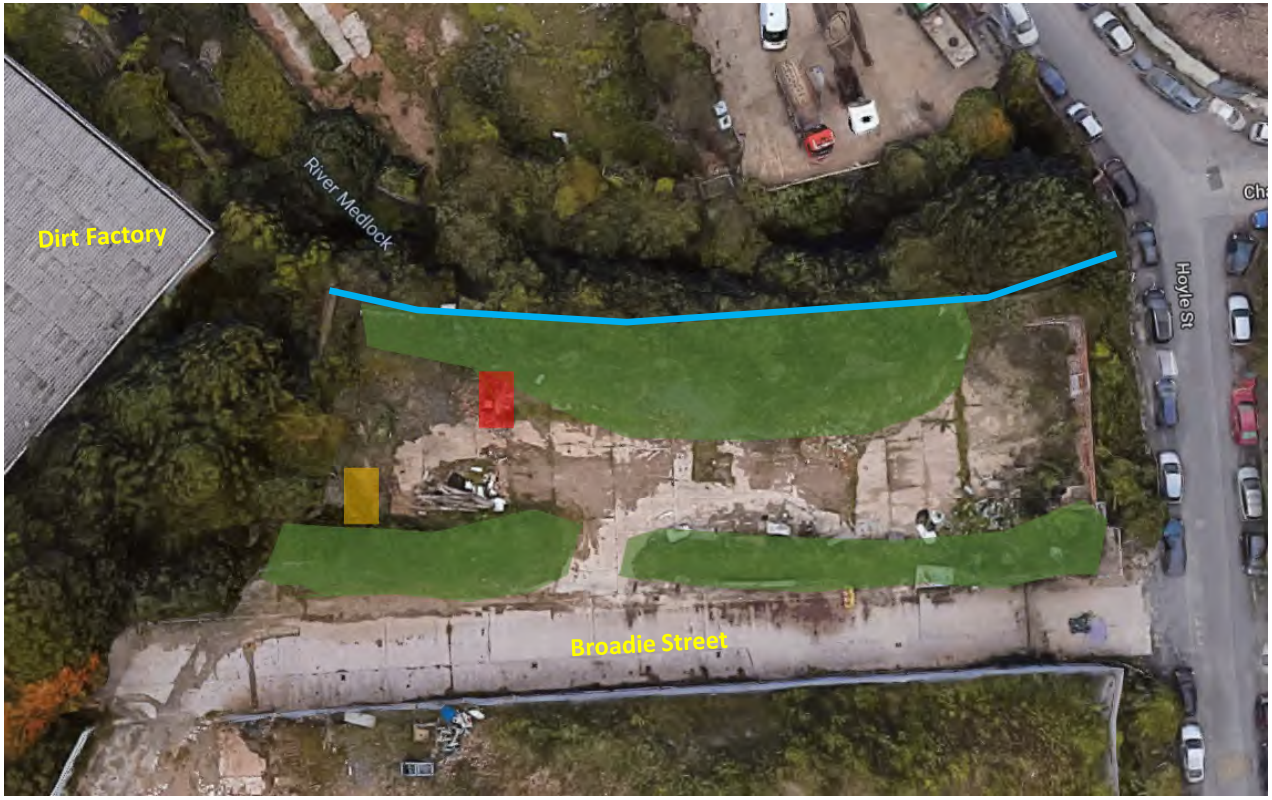

Photo into basement looking north

## 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




**Previous sink hole (may also relate to basement feature?)**

**TP306 Location (Approx.)**

**Vegetated soil stockpile mounds (Approx.)**

**River Walls (Approx.)**

## 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

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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

**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 |

**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 |

| 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 |

| 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 |

**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 | | | |
| **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 |

| 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 |

**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 |

| 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 |

**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

**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 |

**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 | | | |
| 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 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 |

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**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

**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

**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 |

**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 | | | |
| 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

**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 |

**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 | | | |
| 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

**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 |

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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 | 20/10261/1 | 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 |

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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 | 20/10261/1 | 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 |

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**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.
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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

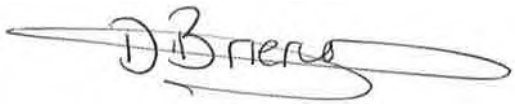
# FINAL ANALYTICAL TEST REPORT

**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.

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: 20-37383**
**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 |

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: 20-37383**
**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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The results included within the report relate only to the sample(s) submitted for testing.

**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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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: 20-39408**
**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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The results included within the report relate only to the sample(s) submitted for testing.

**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.

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: 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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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 | | | | 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 |

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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** | | |
| 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

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**

**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

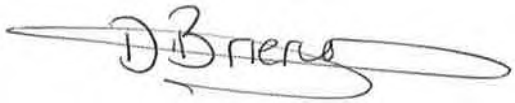
# FINAL ANALYTICAL TEST REPORT

**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

**Elizabeth Stewart**
ROC Consulting Ltd
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Castlefield
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M15 4PZ

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**t:** 01923 225404
**f:** 01923 237404
**e:** reception@i2analytical.com

# 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
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 |

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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** | | | | 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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**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

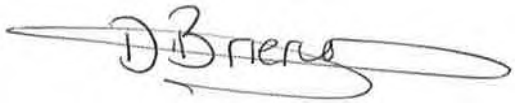
**Project Manager:** Reece McGuinness; Alex Smiles
**Project Name:** Mayfield Park
**Project Ref:** 4153
**Order No:** 1636
**Date Samples Received:** 12/02/21
**Date Instructions Received:** 15/02/21
**Date Analysis Completed:** 17/02/21

**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

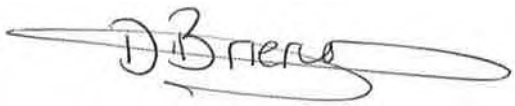
# FINAL ANALYTICAL TEST REPORT

**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

**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

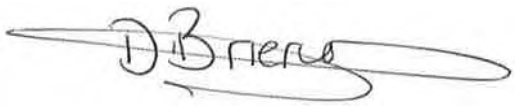
# FINAL ANALYTICAL TEST REPORT

**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

**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

**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

**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:** 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.

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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<br>Commercial Wharf 6 Commercial Street<br>Castlefield<br>Manchester<br>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

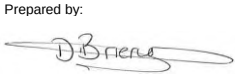
**Secondary Matrix Codes**: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

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 | | | | |
| Depth to Bottom | | | | | | | | |
| Date Sampled | | | | 13/08/2020 | | | | |
| Sample Type | | | | Soil | | | | |
| 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 | **8.00** | | - | >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 | | | | |

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 | 20/06843/19 | | | | |
| 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 | | | | |

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

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# 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<br>Commercial Wharf 6 Commercial Street<br>Castlefield<br>Manchester<br>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**

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

*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 | | | |
| **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 | | | | |

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

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# 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<br>Commercial Wharf 6 Commercial Street<br>Castlefield<br>Manchester<br>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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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 | 2 | 3 | 4 | 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 | | | | |

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 | 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 | | | | |

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| Sample Details | | | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Method | D | AR | 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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envirolab
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# 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<br>Commercial Wharf 6 Commercial Street<br>Castlefield<br>Manchester<br>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 | AR | 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** | | | | | | Inert Waste Landfill | Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill | Hazardous Waste Landfill |
| 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 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 | | 0.011 | **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 | | Inert Waste Landfill | Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill | Hazardous Waste Landfill |
| 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 | | Inert Waste Landfill | Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill | Hazardous Waste Landfill |
| 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<br>Commercial Wharf 6 Commercial Street<br>Castlefield<br>Manchester<br>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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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 | 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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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 | A | M | 20/09777/1 | | | | |
| Client Sample Number | | | | | | | | | |
| Client Sample ID | | | | | Plot L | | | | |
| Depth to Top | | | | | 0.2 | | Inert Waste Landfill | Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill | Hazardous Waste Landfill |
| 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 | | | | |

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: | 20/06795 | | |
| 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).

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 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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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

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**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:



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 | | | | | | Inert Waste Landfill | Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill | Hazardous Waste Landfill |
| 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 | | | | |

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: | 20/06845 | | |
| 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).

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.

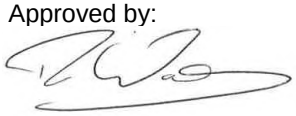
Please contact us if you need any further information.

Prepared by:



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 | 20/06845/6 | | | | |
| 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.

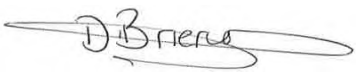
Please contact us if you need any further information.

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 | | | | |

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

***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 | | | | |

Stated acceptance limits are for guidance only and Envirolab cannot be held responsible for any discrepancies with current legislation

***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

**Nick Gregory**
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i2 Analytical Ltd.
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WD18 8YS

**t:** 01923 225404
**f:** 01923 237404
**e:** reception@i2analytical.com

# 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:** [redacted]

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.

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: 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

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: 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 |

U/S = Unsuitable Sample  I/S = Insufficient Sample

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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.

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 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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**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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**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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Registered Office: Bucknalls Lane Garston Watford Hertfordshire WD25 9XX Registered in England and Wales No: 3177641

# 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<br>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<br>Moisture Condition Value<br>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<br>Moisture Condition Value<br>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<br>Moisture Condition Value<br>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<br>Moisture Condition Value<br>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<br>Moisture Condition Value<br>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:

**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 | |
| 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<br>Moisture Condition Value<br>Compaction |
| TP303 | 1.60 | | B | Dark brown SAND and CLAY with much fine to coarse gravel. | | | | | | | | | | | | | | | Particle Size Distribution<br>Moisture Condition Value<br>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<br>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<br>Moisture Condition Value<br>Compaction |
| TP309 | 1.50 | | B | Brown very clayey SAND. | | | | | | | | | | | | | | | Particle Size Distribution<br>Moisture Condition Value<br>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 | |
| TP402 | 1.00-1.50 | | B | Dark brown clayey SAND with much fine to coarse gravel. | | | | | | | | | | | | | | | Particle Size Distribution<br>Moisture Condition Value<br>Compaction |
| TP404 | 1.00-1.50 | | B | Dark brown clayey, silty SAND with some fine to medium gravel. | | | | | | | | | | | | | | | Particle Size Distribution<br>Moisture Condition Value<br>Compaction |
| TP405 | 2.00-2.50 | | B | Dark brown clayey, silty, very sandy fine to coarse GRAVEL. | | | | | | | | | | | | | | | Particle Size Distribution<br>Moisture Condition Value<br>Compaction |
| TP406 | 0.50-1.00 | | B | Brown slightly clayey sandy fine-coarse GRAVEL. | | | | | | | | | | | | | | | Particle Size Distribution<br>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<br>Moisture Condition Value<br>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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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

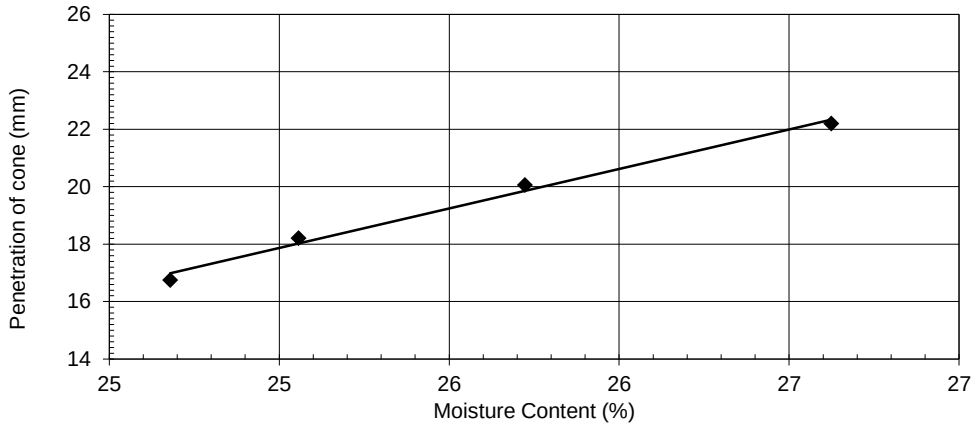
| | |
|---|---|
| Location | BH302 |
| Sample Ref | D7 |
| Depth (m) | 3.00 |
| Sample Type | D |

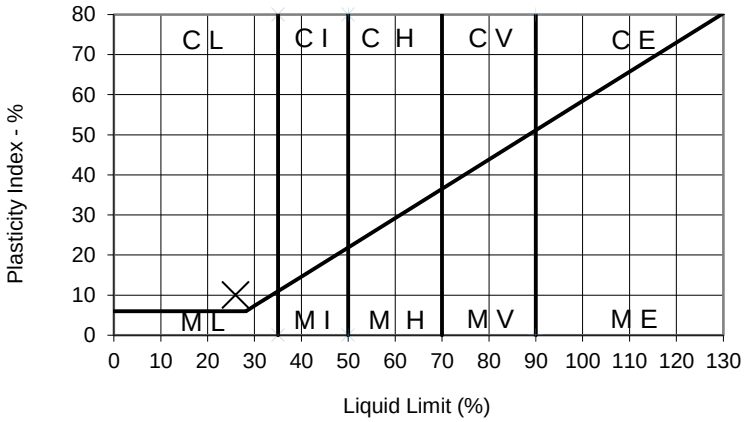
Description:

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 Name:

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**4153**

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

# LIQUID AND PLASTIC LIMITS

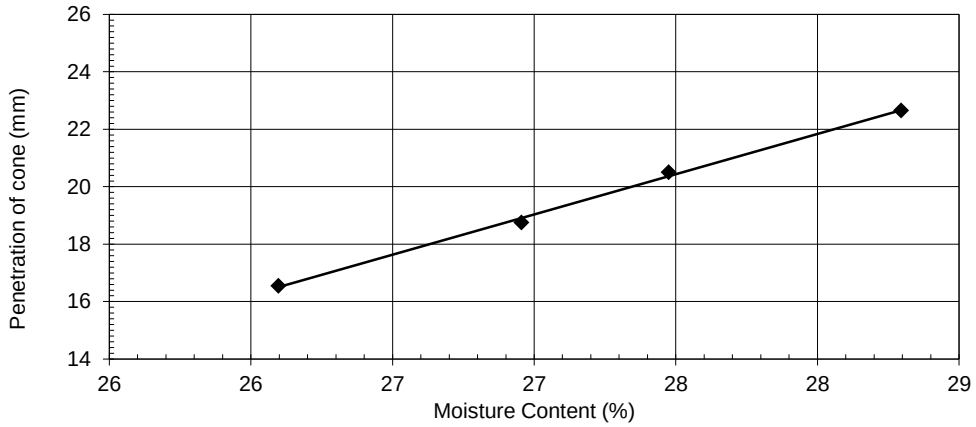
| | |
|---|---|
| Location | BH302 |
| Sample Ref | U8 |
| Depth (m) | 3.00 |
| Sample Type | U |

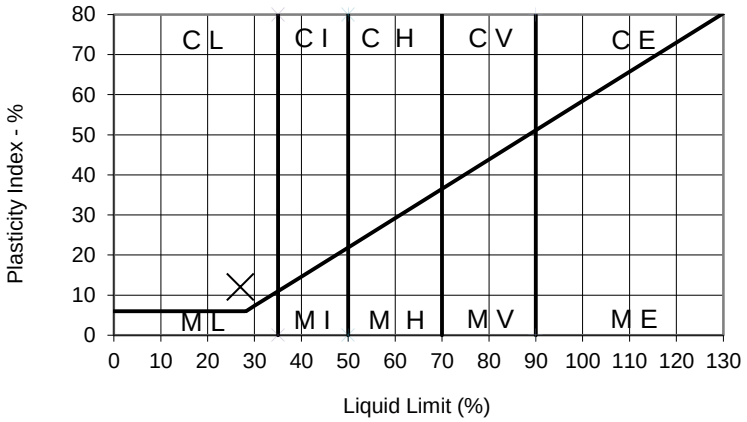
Description:

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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# 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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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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Project Name:

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

# LIQUID AND PLASTIC LIMITS

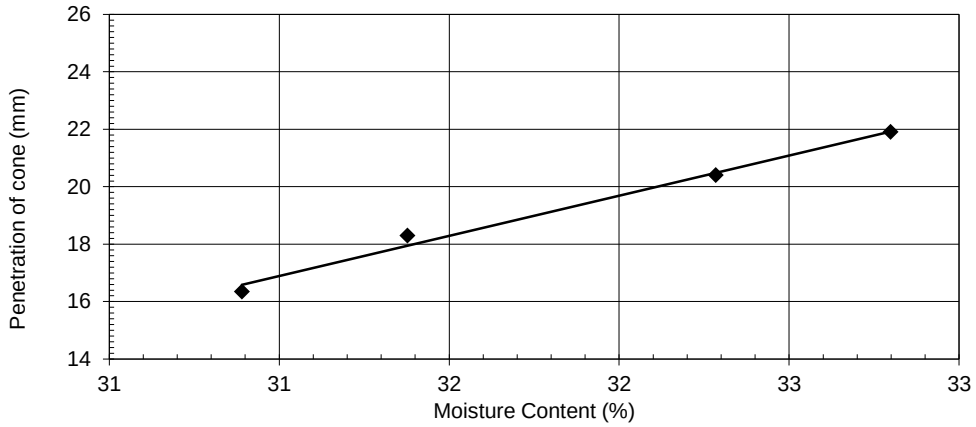
| | |
|---|---|
| Location | BH403 |
| Sample Ref | B2 |
| Depth (m) | 0.45 |
| Sample Type | B |

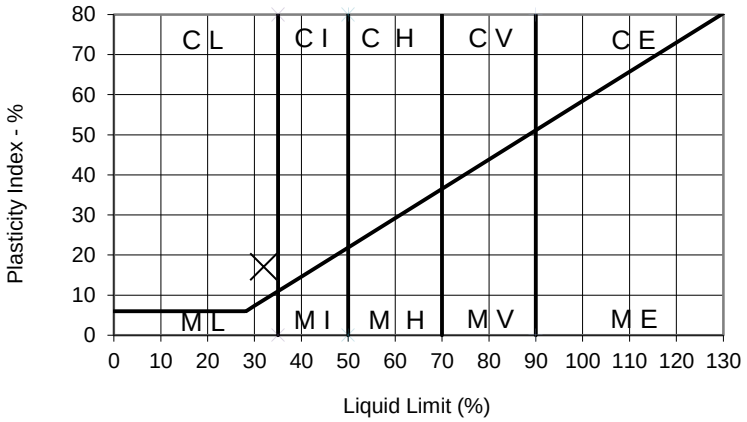
Description:

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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# LIQUID AND PLASTIC LIMITS

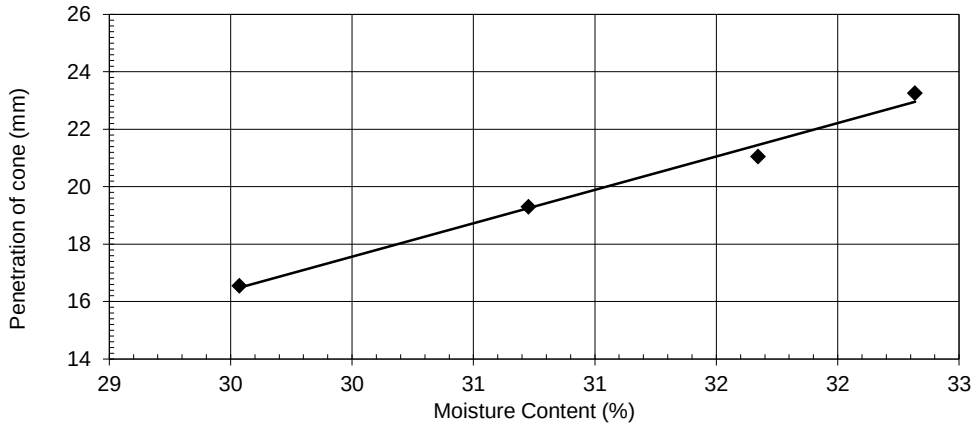
| | |
|---|---|
| Location | TP301 |
| Depth (m) | 1.00 |
| Sample Type | D |

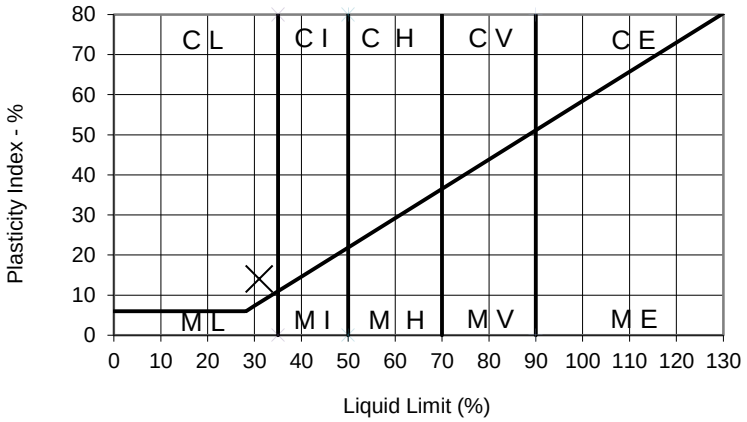
Description:

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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# LIQUID AND PLASTIC LIMITS

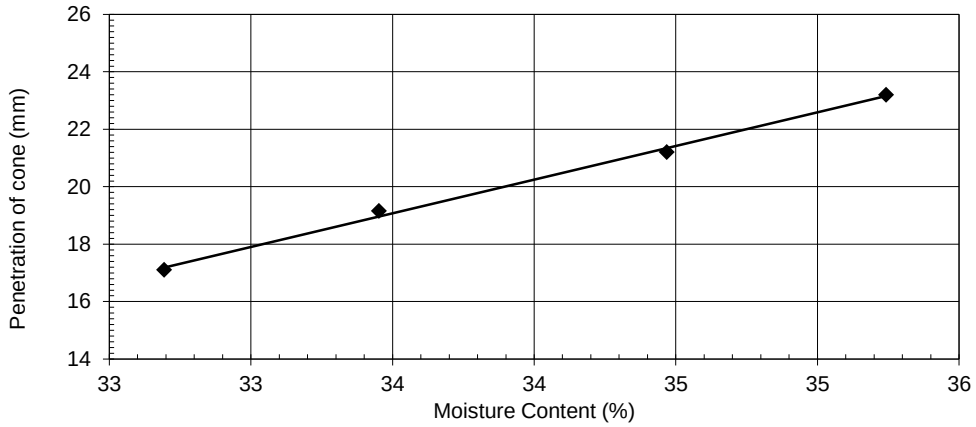
| | |
|---|---|
| Location | TP302 |
| Depth (m) | 1.00 |
| Sample Type | D |

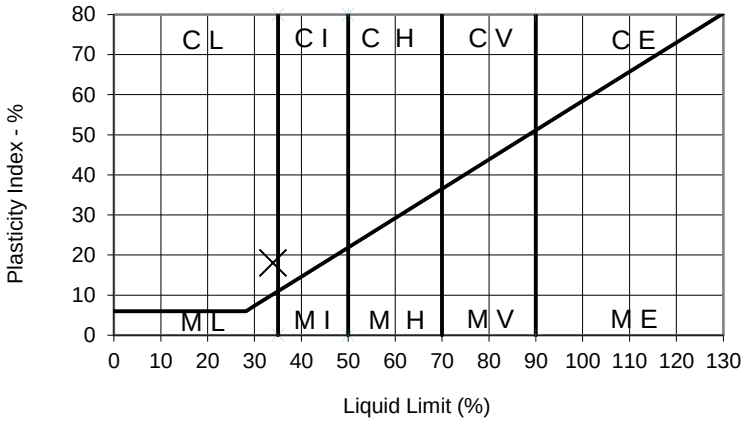
Description:

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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# LIQUID AND PLASTIC LIMITS

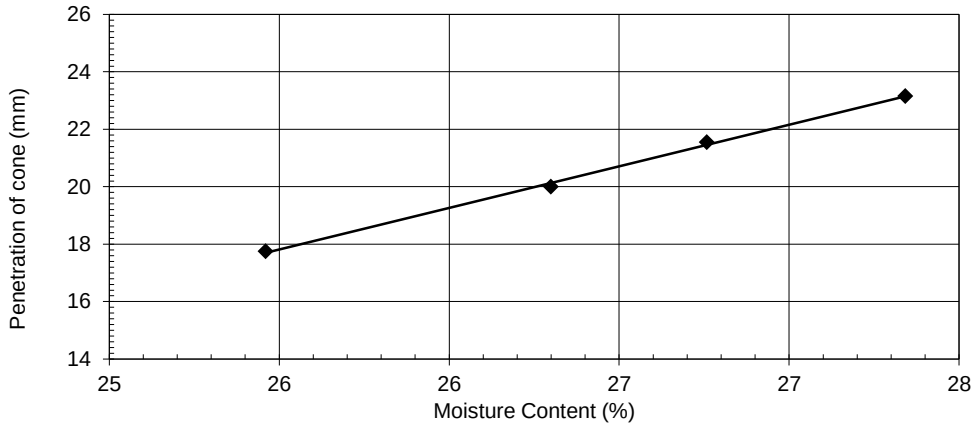
| | |
|---|---|
| Location | TP304 |
| Depth (m) | 1.50 |
| Sample Type | D |

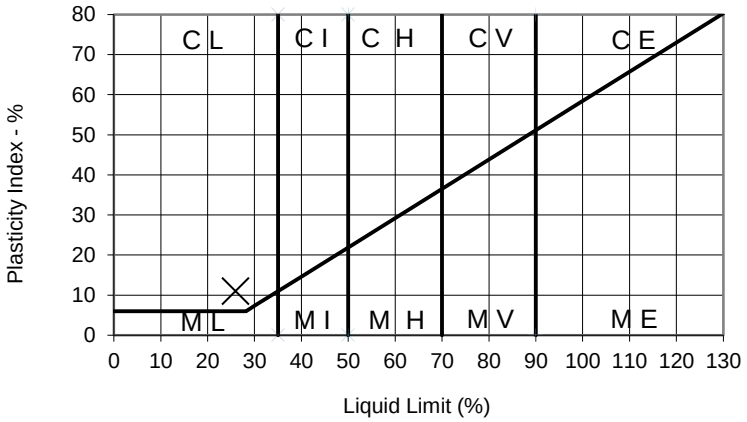
Description:

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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# LIQUID AND PLASTIC LIMITS

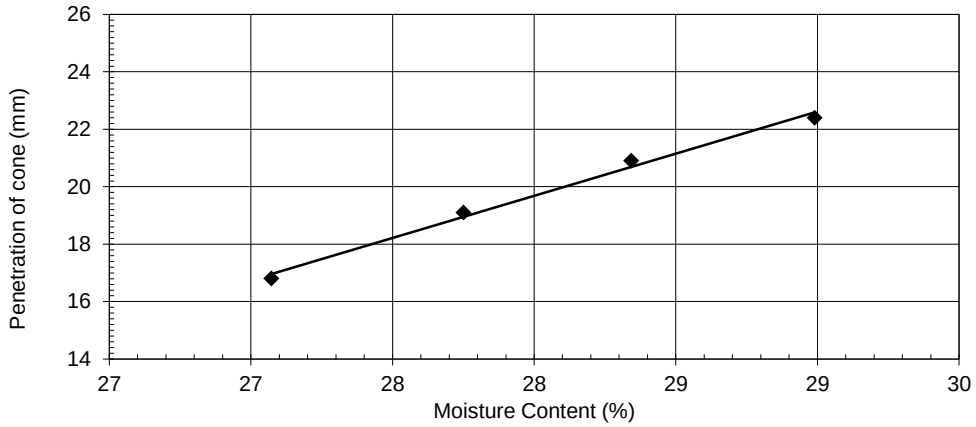
| | |
|---|---|
| Location | TP305 |
| Depth (m) | 2.00 |
| Sample Type | D |

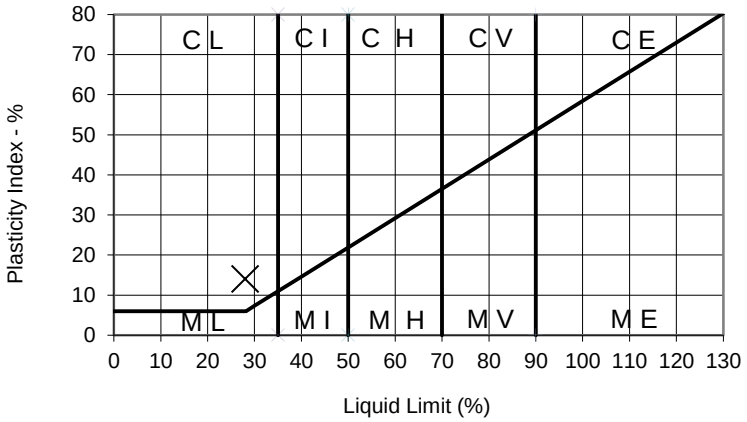
Description:

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 | |




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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

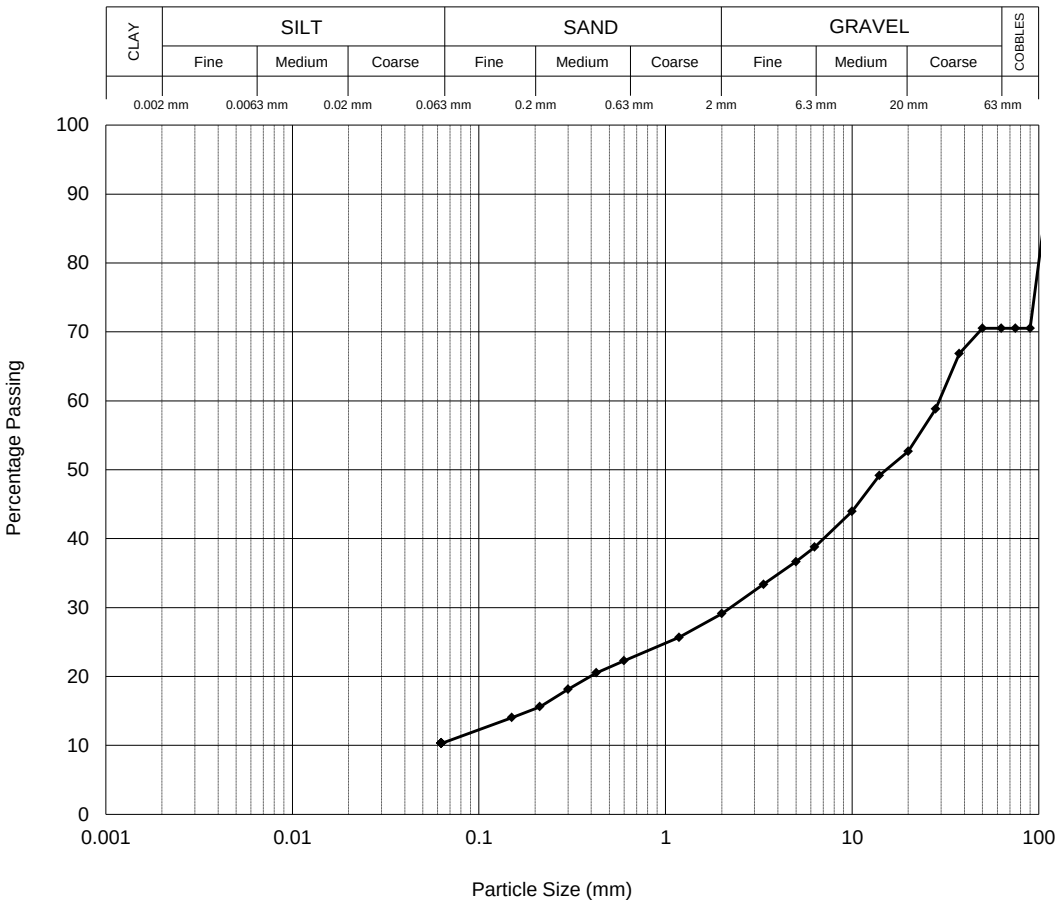
| | |
|---|---|
| Location | BH301 |
| Sample Ref | B2 |
| Depth (m) | 0.80-1.20 |
| Sample Type | B |

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 |

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Project Name:

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BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

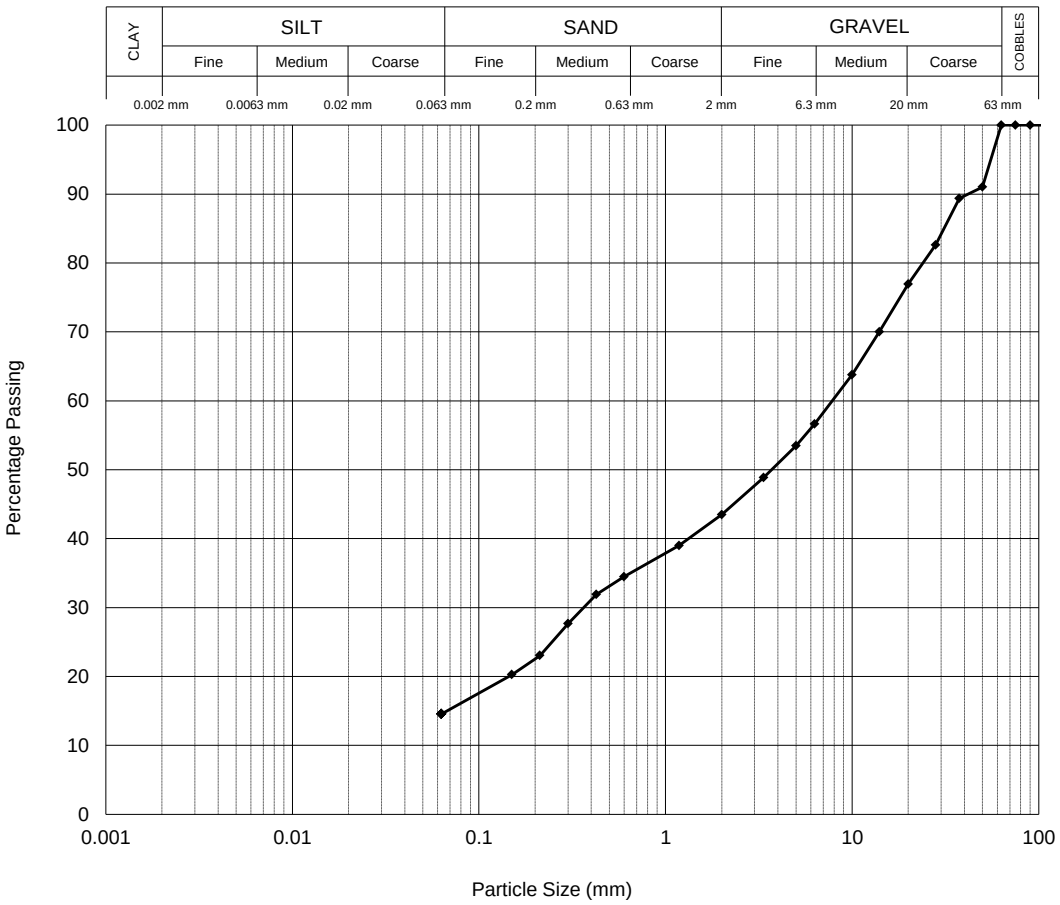
| | |
|---|---|
| Location | BH301 |
| Sample Ref | B4 |
| Depth (m) | 1.20-1.70 |
| Sample Type | B |

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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# PARTICLE SIZE DISTRIBUTION

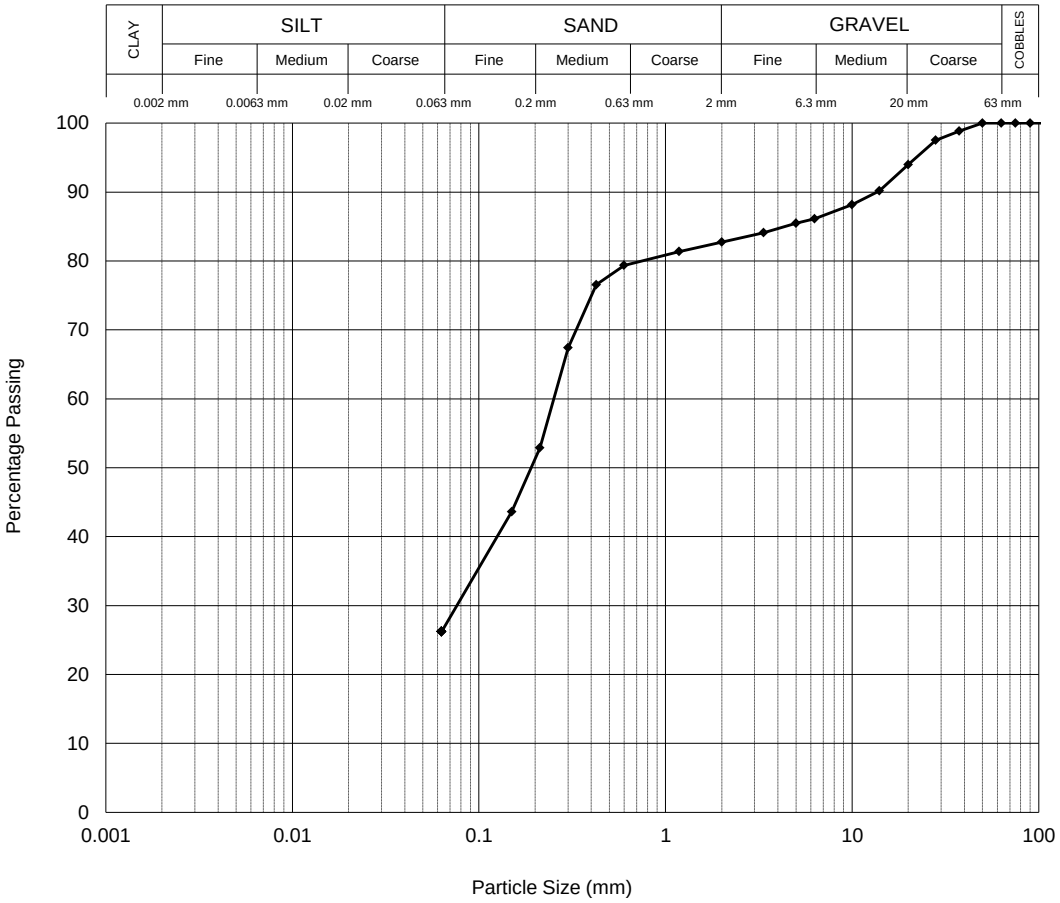
| | |
|---|---|
| Location | BH301 |
| Sample Ref | B9 |
| Depth (m) | 3.00-3.50 |
| Sample Type | B |

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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BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

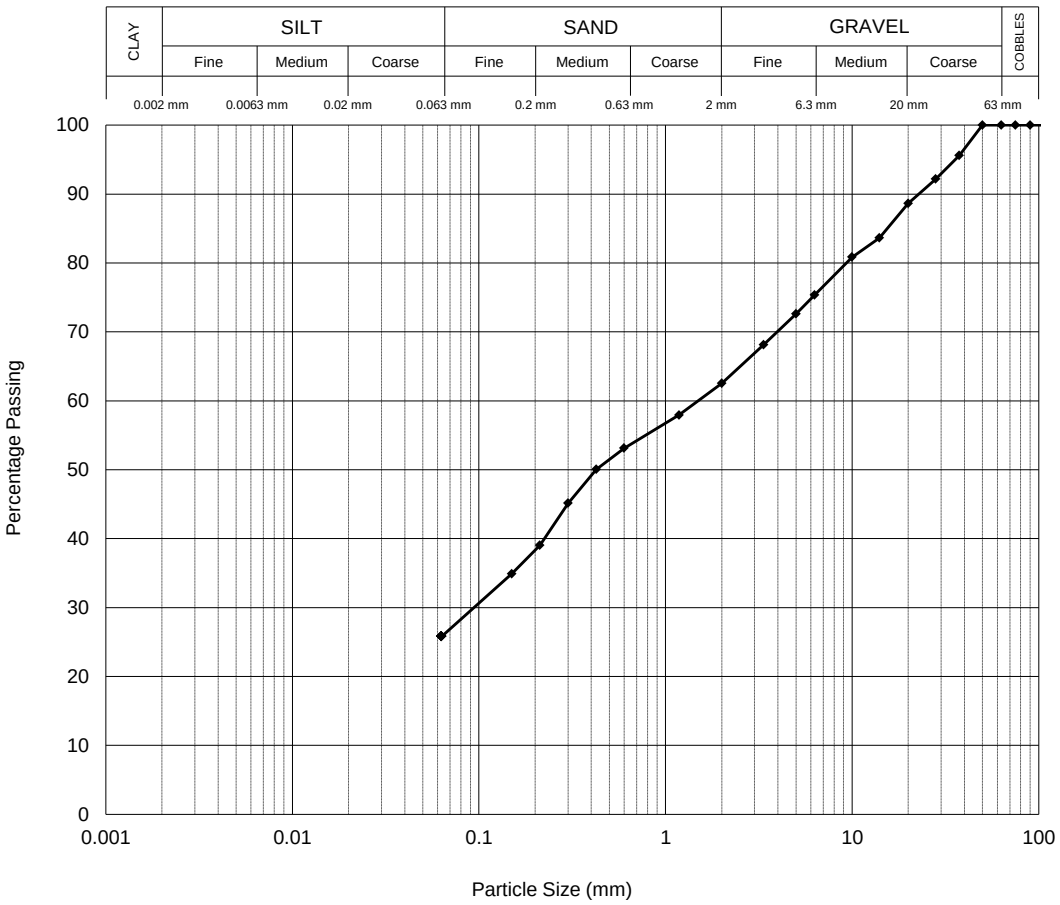
| | |
|---|---|
| Location | BH302 |
| Sample Ref | B2 |
| Depth (m) | 0.35-1.00 |
| Sample Type | B |

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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BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

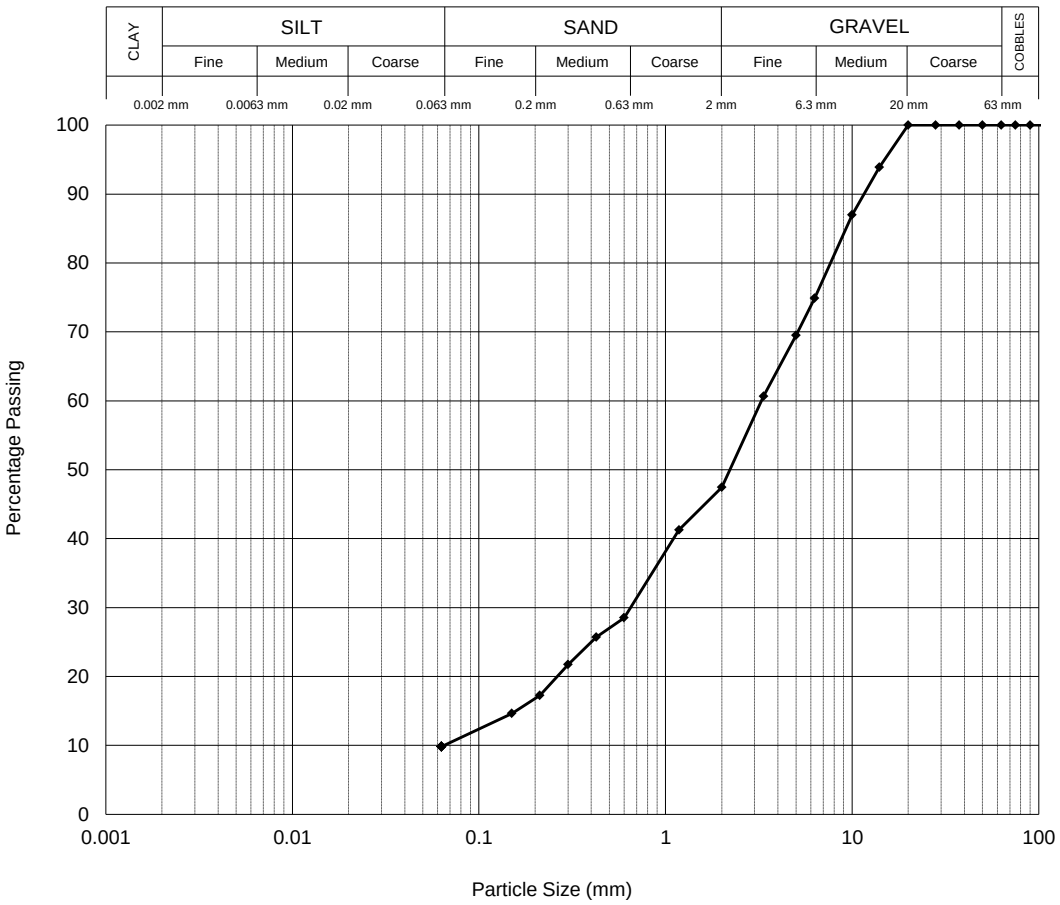
| | |
|---|---|
| Location | BH302 |
| Sample Ref | B4 |
| Depth (m) | 1.20-1.70 |
| Sample Type | B |

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 |

Processed by JR
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

BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

| | |
|---|---|
| Location | BH302 |
| Sample Ref | B10 |
| Depth (m) | 4.00-4.50 |
| Sample Type | B |

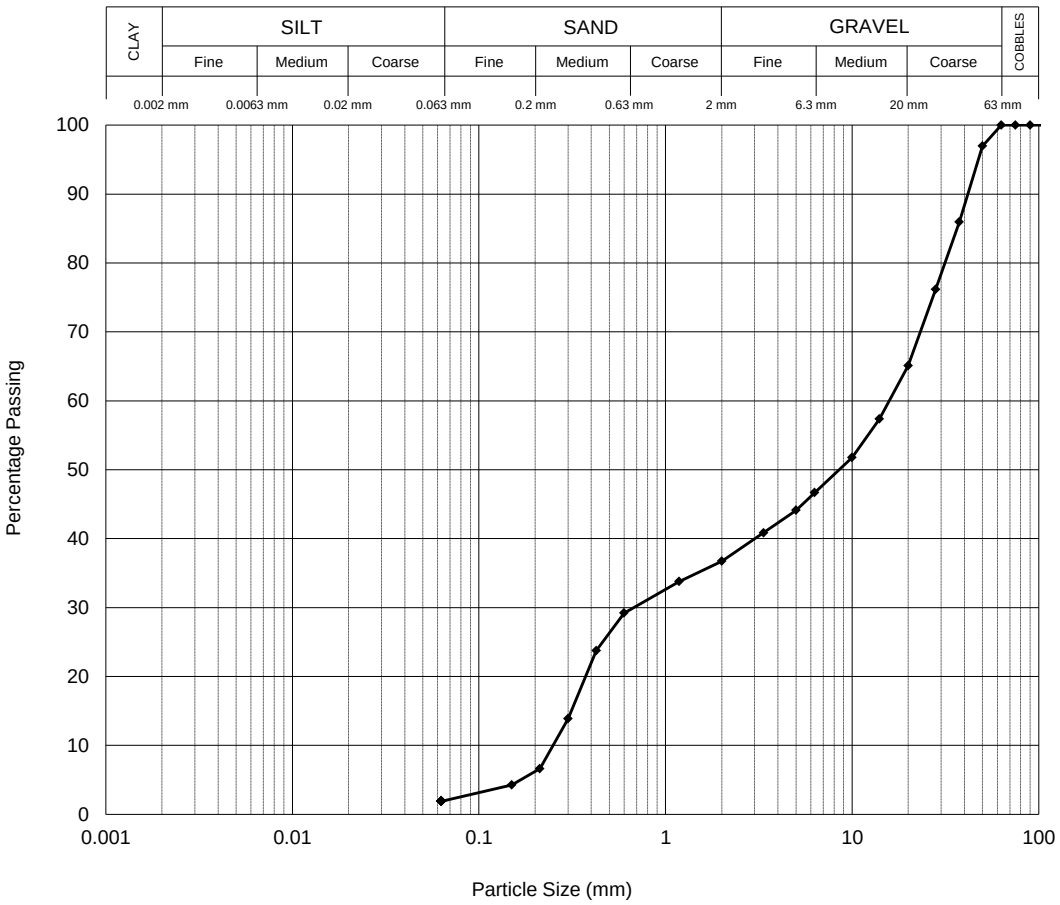
Description

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 |

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

**GEO / 31876**

Project Name:

**MAYFIELD**
**4153**

GEOLABS

BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

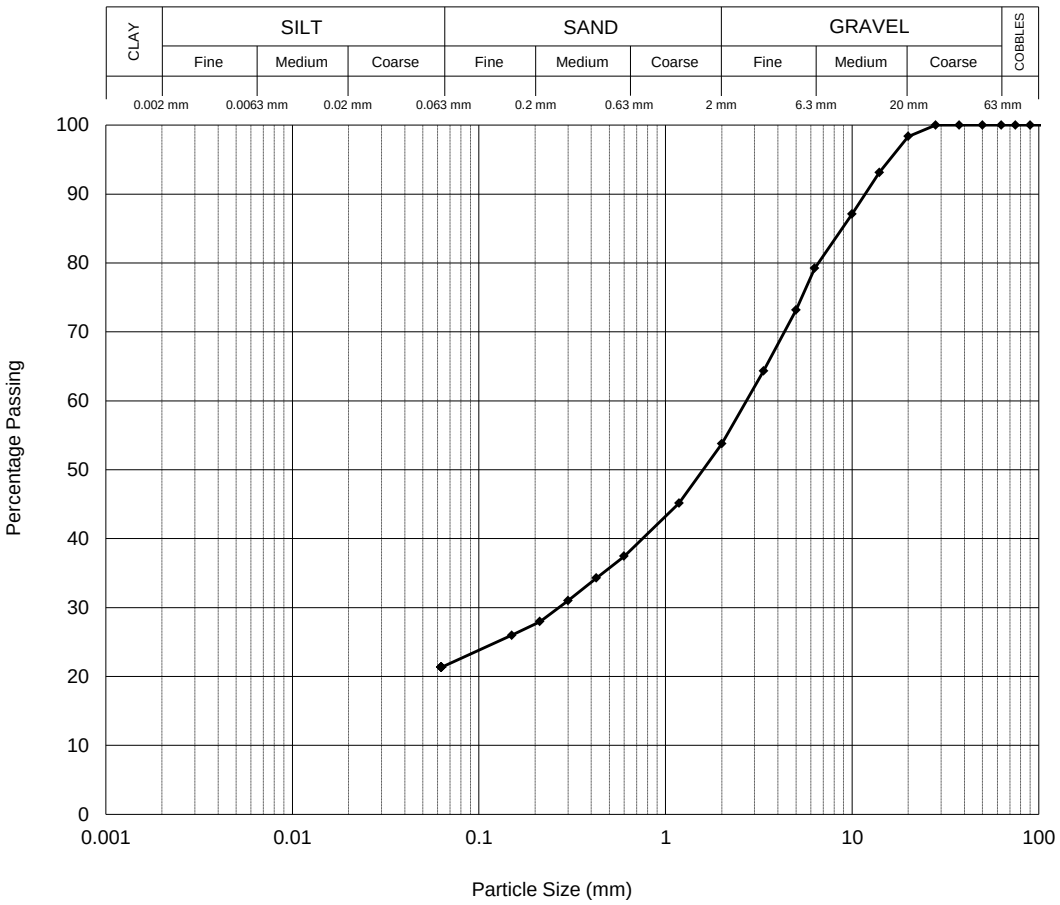
| | |
|---|---|
| Location | BH303 |
| Sample Ref | B2 |
| Depth (m) | 0.60-0.85 |
| Sample Type | B |

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 |

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

**GEO / 31876**

Project Name:

**MAYFIELD**
**4153**

GEOLABS



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 1605007269)

BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

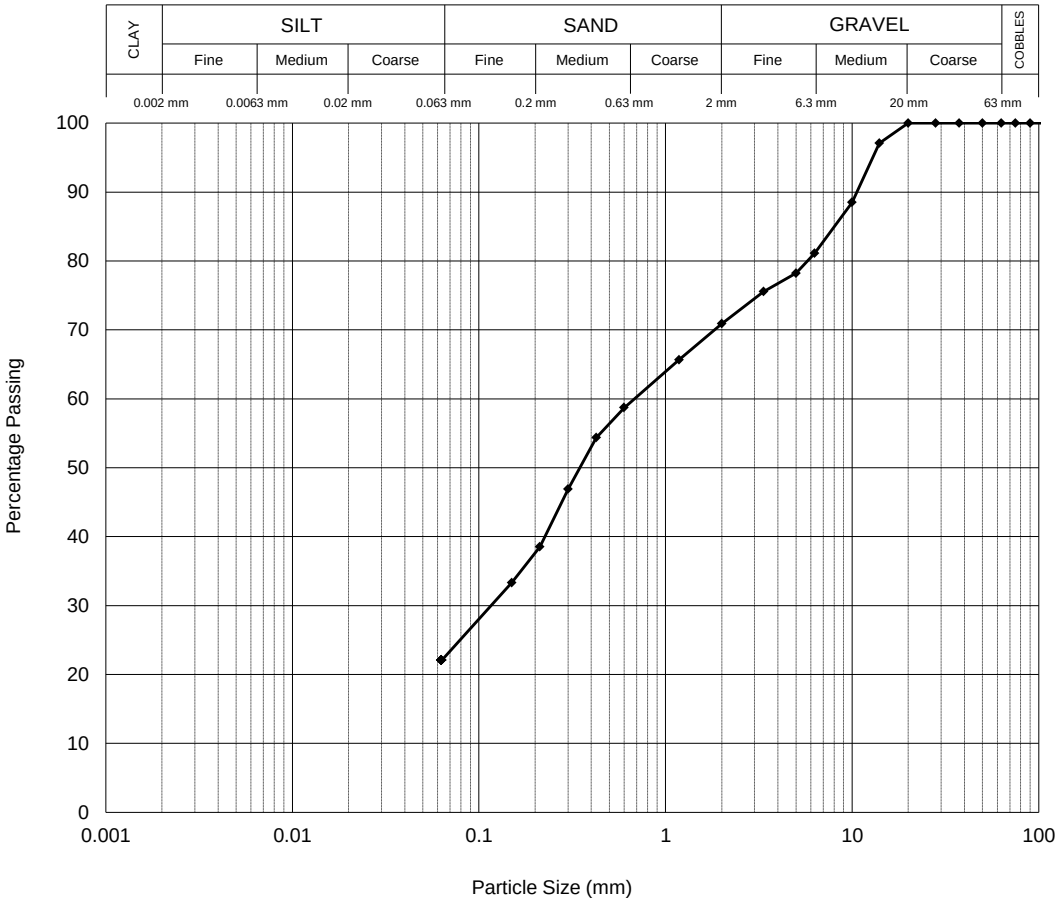
| | |
|---|---|
| Location | BH303 |
| Sample Ref | B4 |
| Depth (m) | 1.20-1.40 |
| Sample Type | B |

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 |

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

**GEO / 31876**

Project Name:

**MAYFIELD**
**4153**

GEOLABS



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 1605007275)

BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

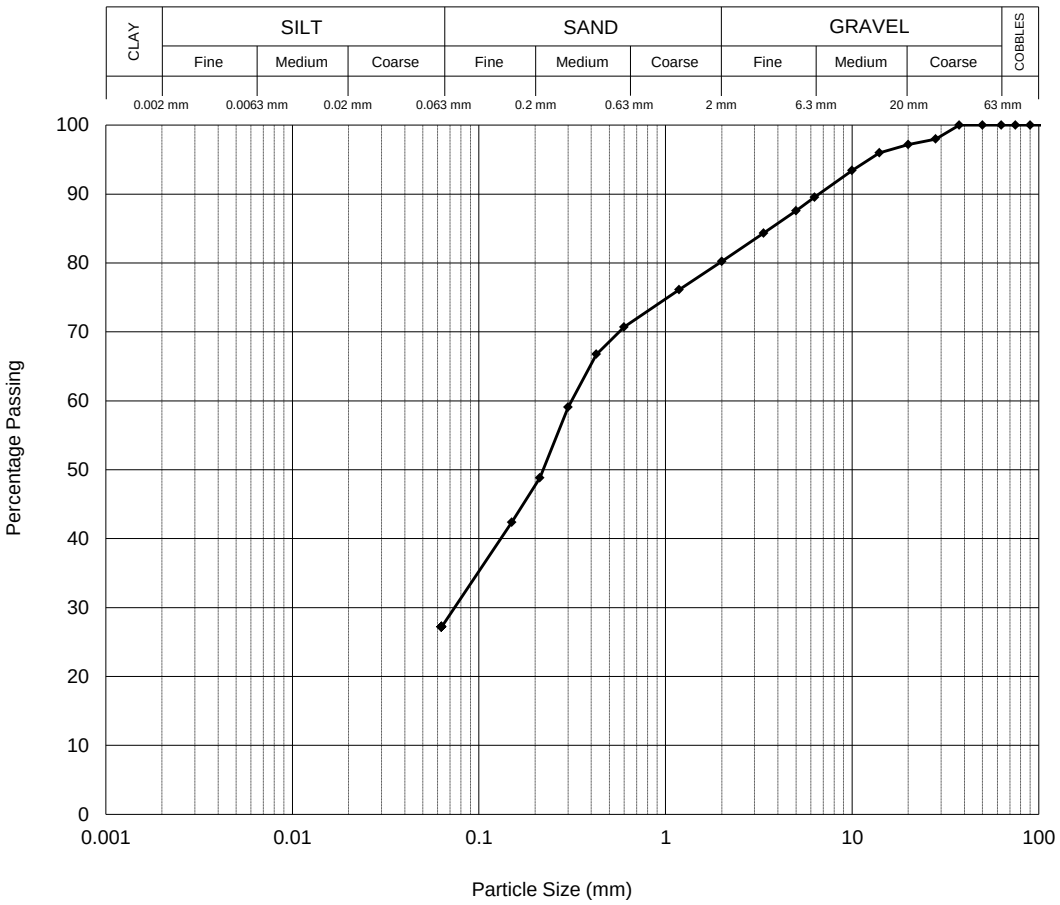
| | |
|---|---|
| Location | BH401 |
| Sample Ref | B3 |
| Depth (m) | 1.50-1.70 |
| Sample Type | B |

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 |

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

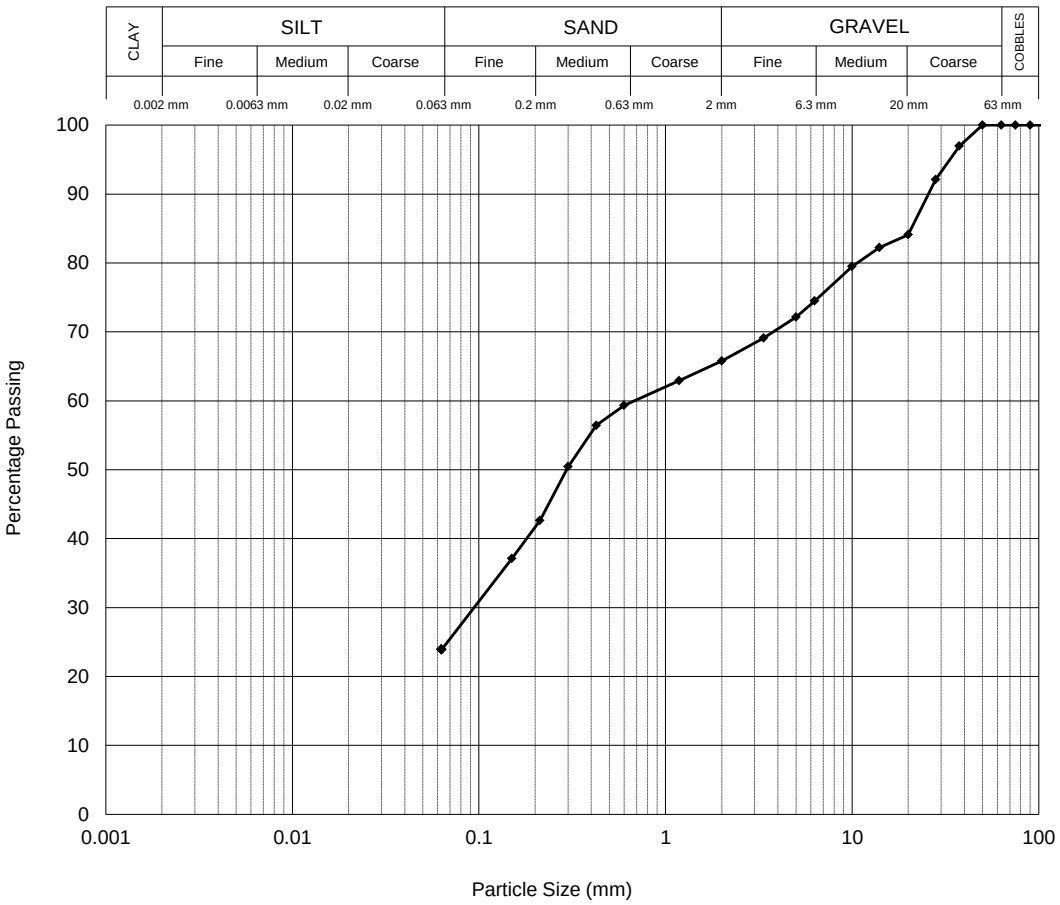
| | |
|---|---|
| Location | BH401 |
| Sample Ref | B5 |
| Depth (m) | 2.00-2.50 |
| Sample Type | B |

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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10/11/2020

Project Number:

**GEO / 31876**

Project Name:

**MAYFIELD**
**4153**

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BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

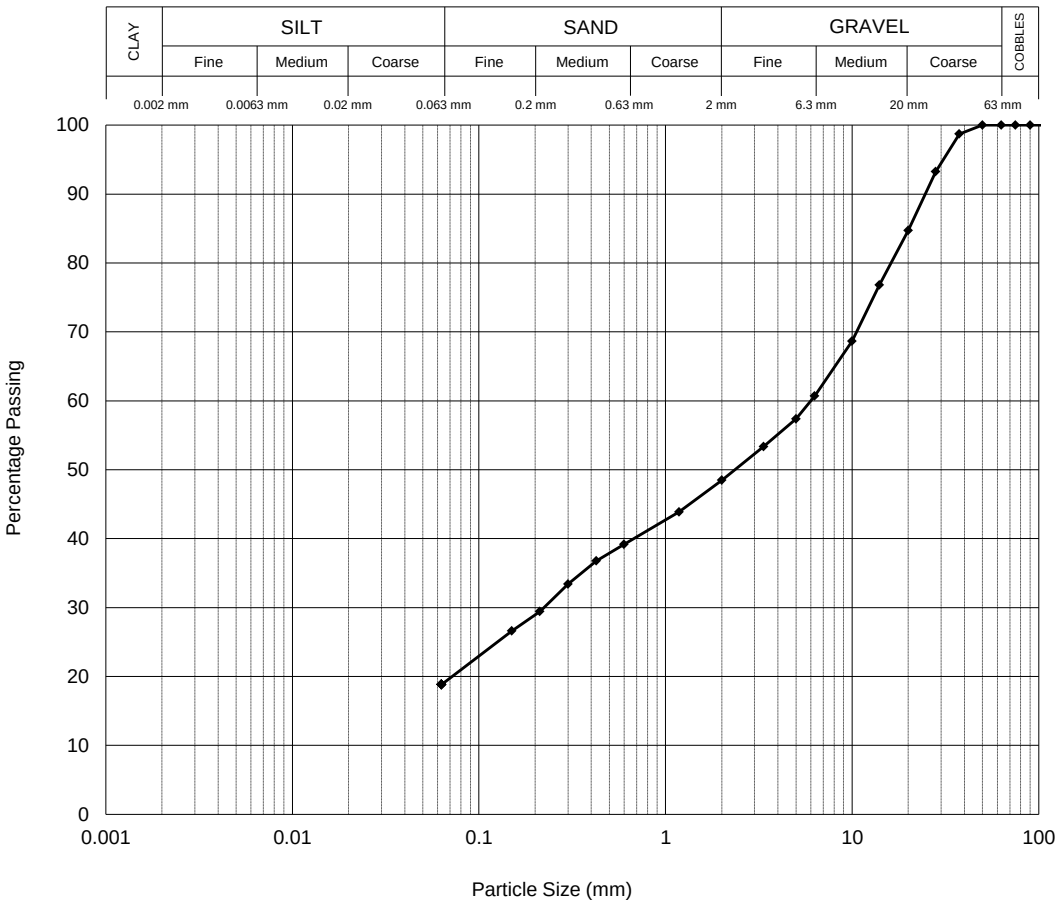
| | |
|---|---|
| Location | BH401 |
| Sample Ref | B9 |
| Depth (m) | 4.00-4.50 |
| Sample Type | B |

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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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

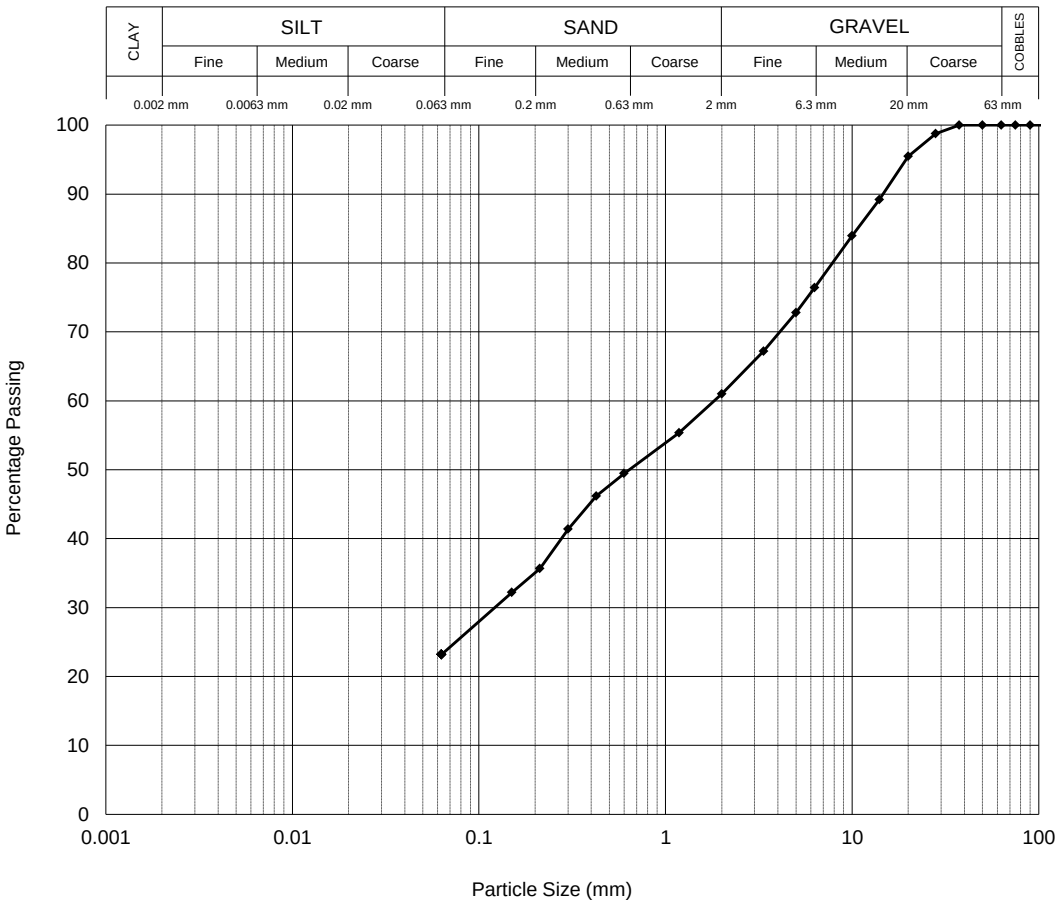
| | |
|---|---|
| Location | BH402 |
| Sample Ref | B4 |
| Depth (m) | 1.20-1.70 |
| Sample Type | B |

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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10/11/2020

Project Number:

**GEO / 31876**

Project Name:

**MAYFIELD**
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BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

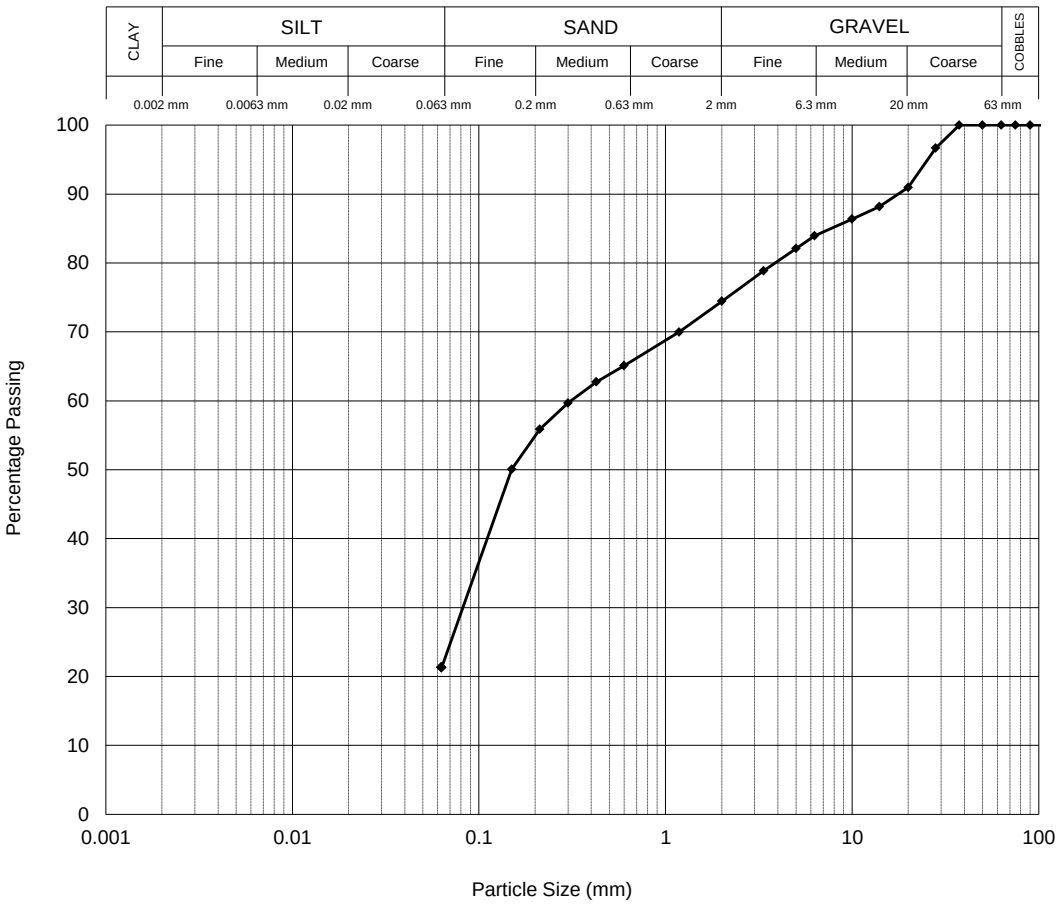
| | |
|---|---|
| Location | BH402 |
| Sample Ref | B8 |
| Depth (m) | 3.00-3.50 |
| Sample Type | B |

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 |

Processed by PK
Checked and Approved by

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

**GEO / 31876**

Project Name:

**MAYFIELD**
**4153**

GEOLABS

BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

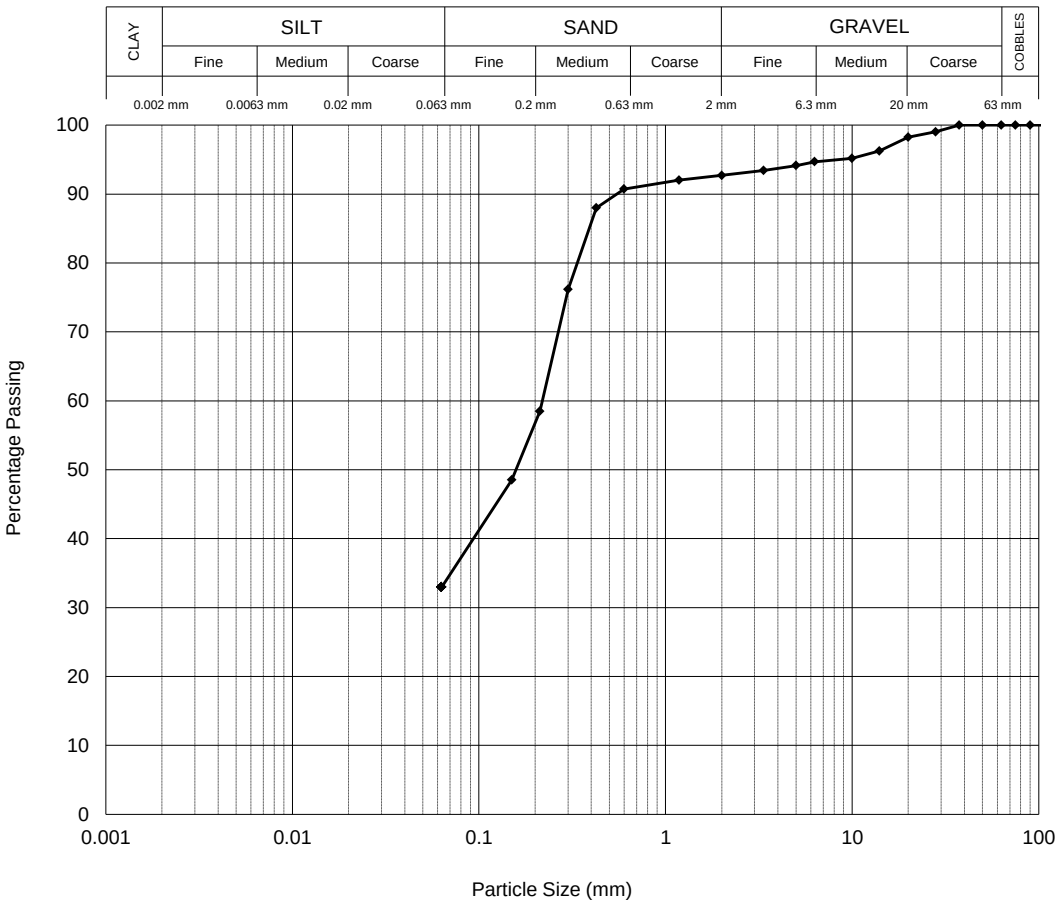
| | |
|---|---|
| Location | BH403 |
| Sample Ref | B4 |
| Depth (m) | 1.20-1.70 |
| Sample Type | B |

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

Project Number:

**GEO / 31876**

Project Name:

**MAYFIELD**
**4153**

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BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

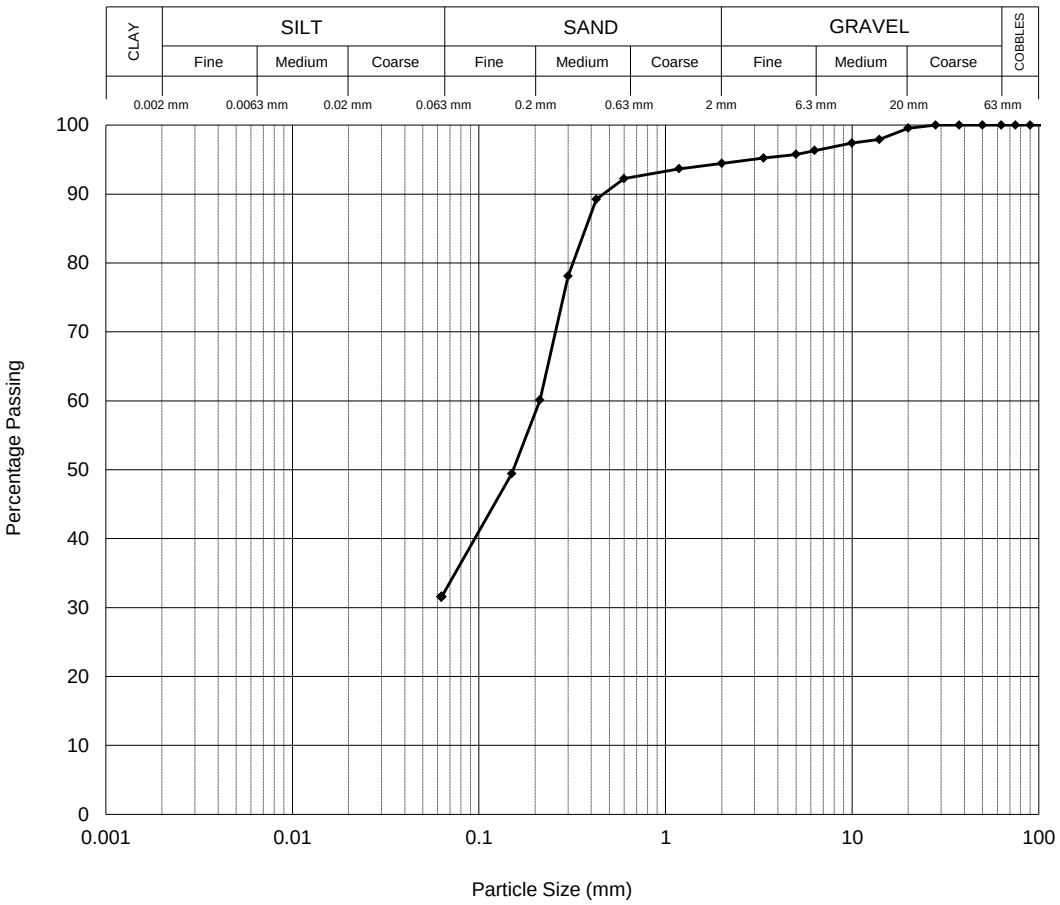
| | |
|---|---|
| Location | BH403 |
| Sample Ref | B6 |
| Depth (m) | 2.00-2.50 |
| Sample Type | B |

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
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

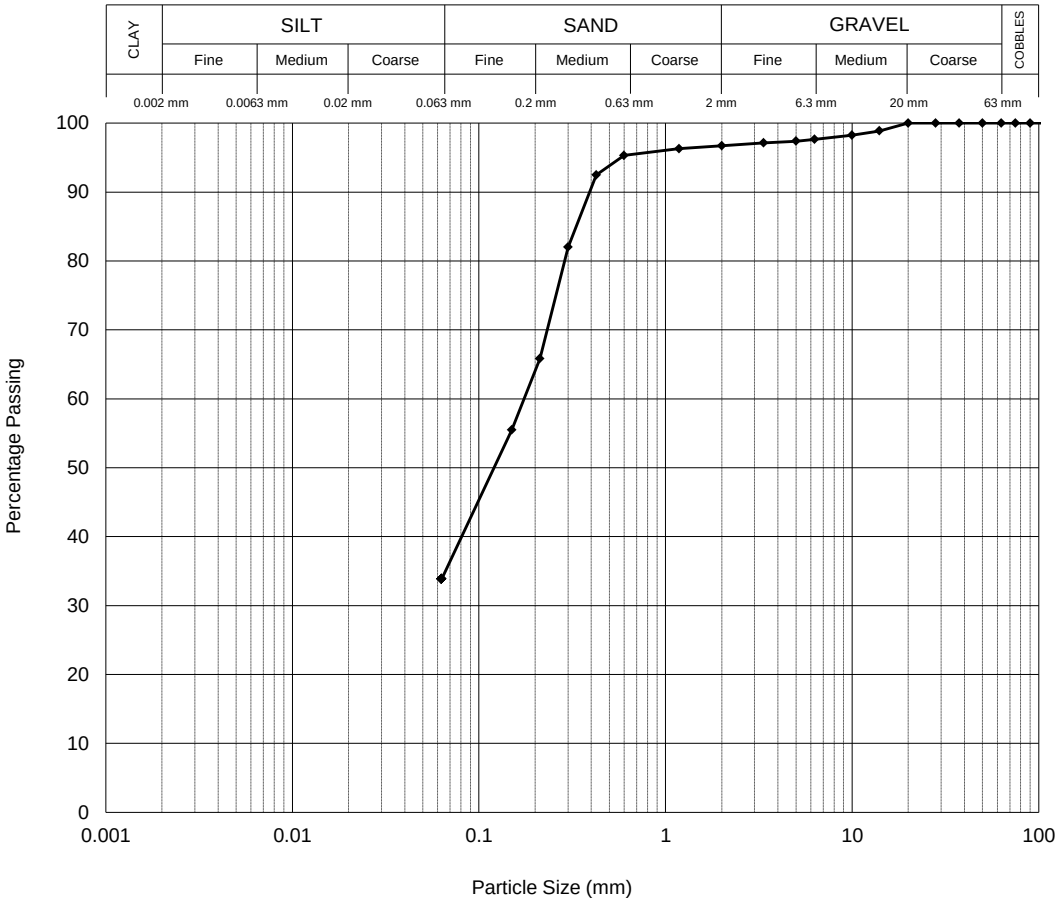
| | |
|---|---|
| Location | TP302 |
| Depth (m) | 2.00 |
| Sample Type | B |

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
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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

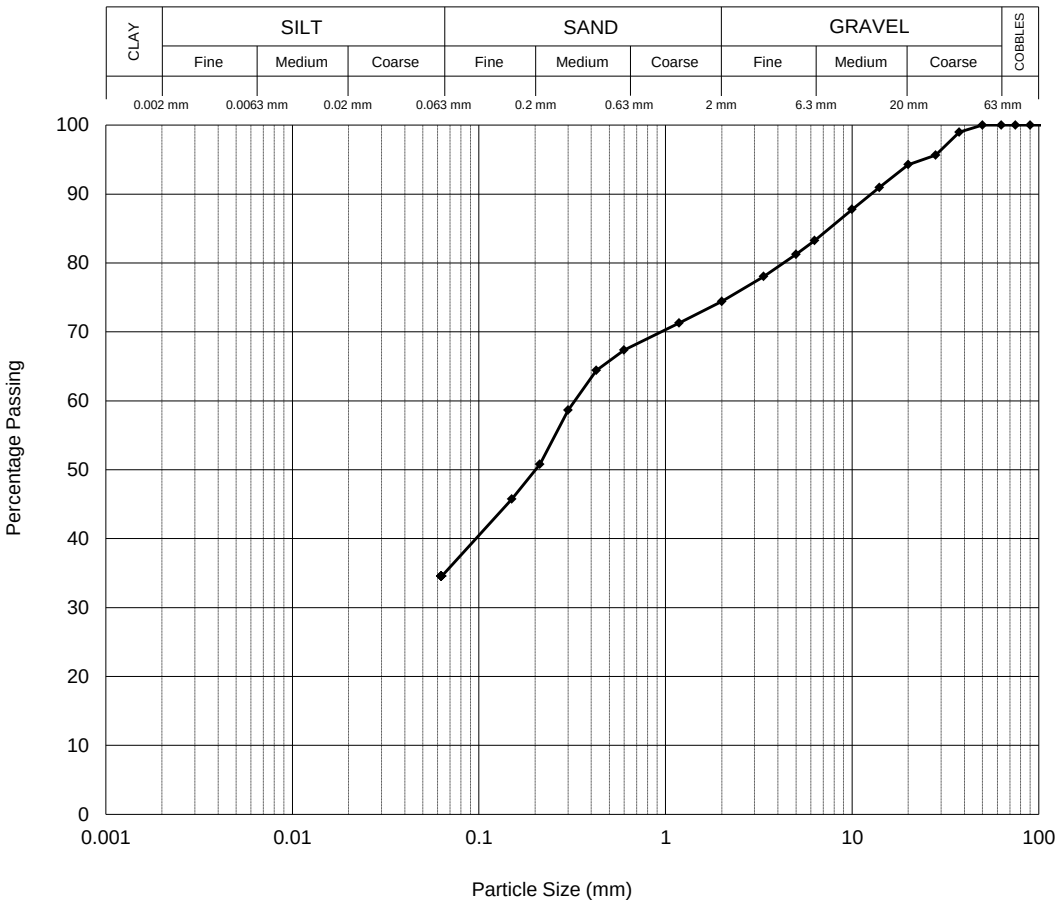
| | |
|---|---|
| Location | TP303 |
| Depth (m) | 1.60 |
| Sample Type | B |

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:

**GEO / 31876**

Project Name:

**MAYFIELD**
**4153**

GEOLABS

BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

| | |
|---|---|
| Location | TP304 |
| Depth (m) | 1.70 |
| Sample Type | B |

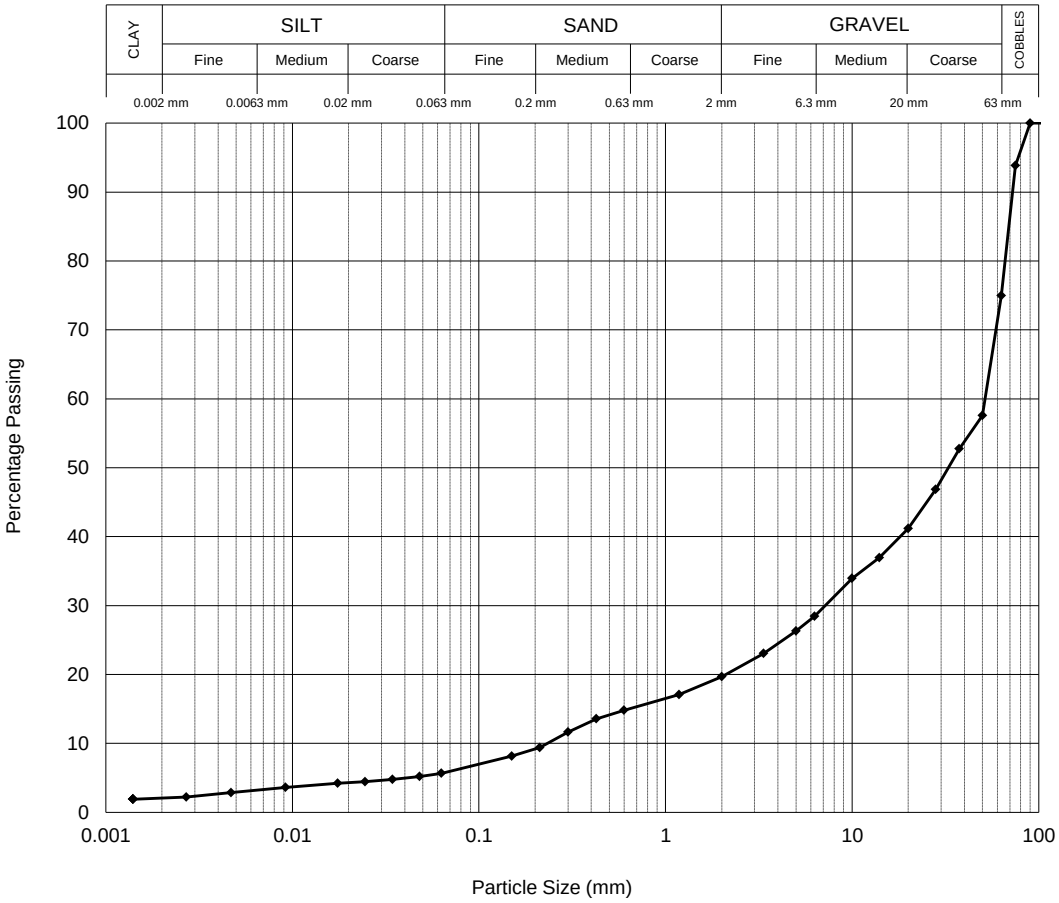
Description

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
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10/11/2020

Project Number:

**GEO / 31876**

Project Name:

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**4153**

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BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

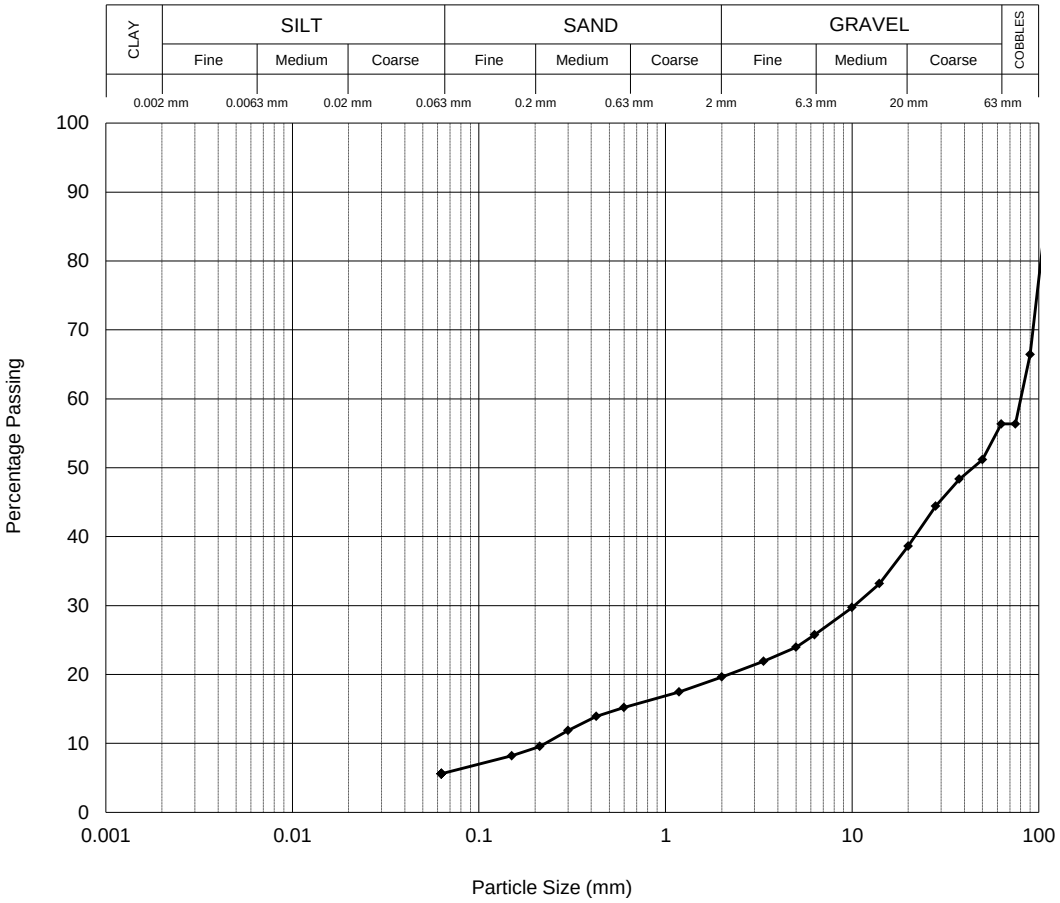
| | |
|---|---|
| Location | TP305 |
| Depth (m) | 0.40 |
| Sample Type | B |

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:

**MAYFIELD**
**4153**

GEOLABS



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

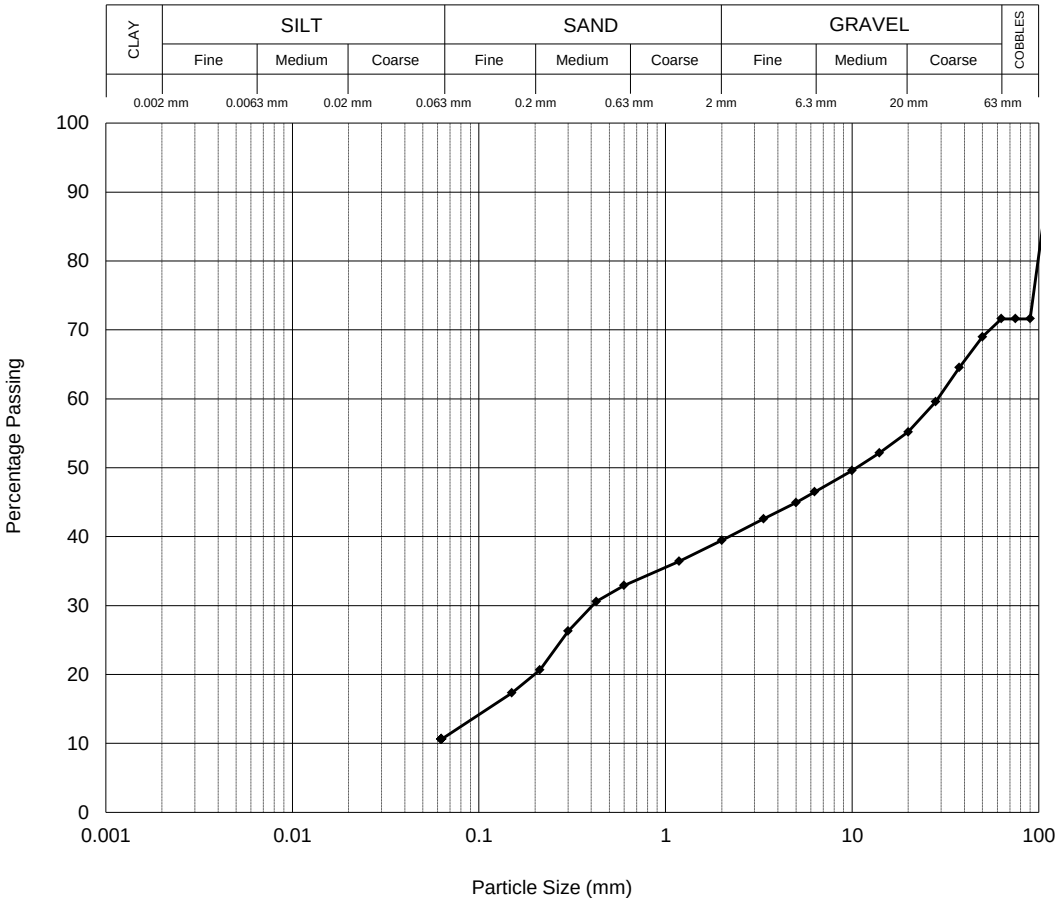
| | |
|---|---|
| Location | TP308 |
| Depth (m) | 1.70 |
| Sample Type | B |

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 |

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# PARTICLE SIZE DISTRIBUTION

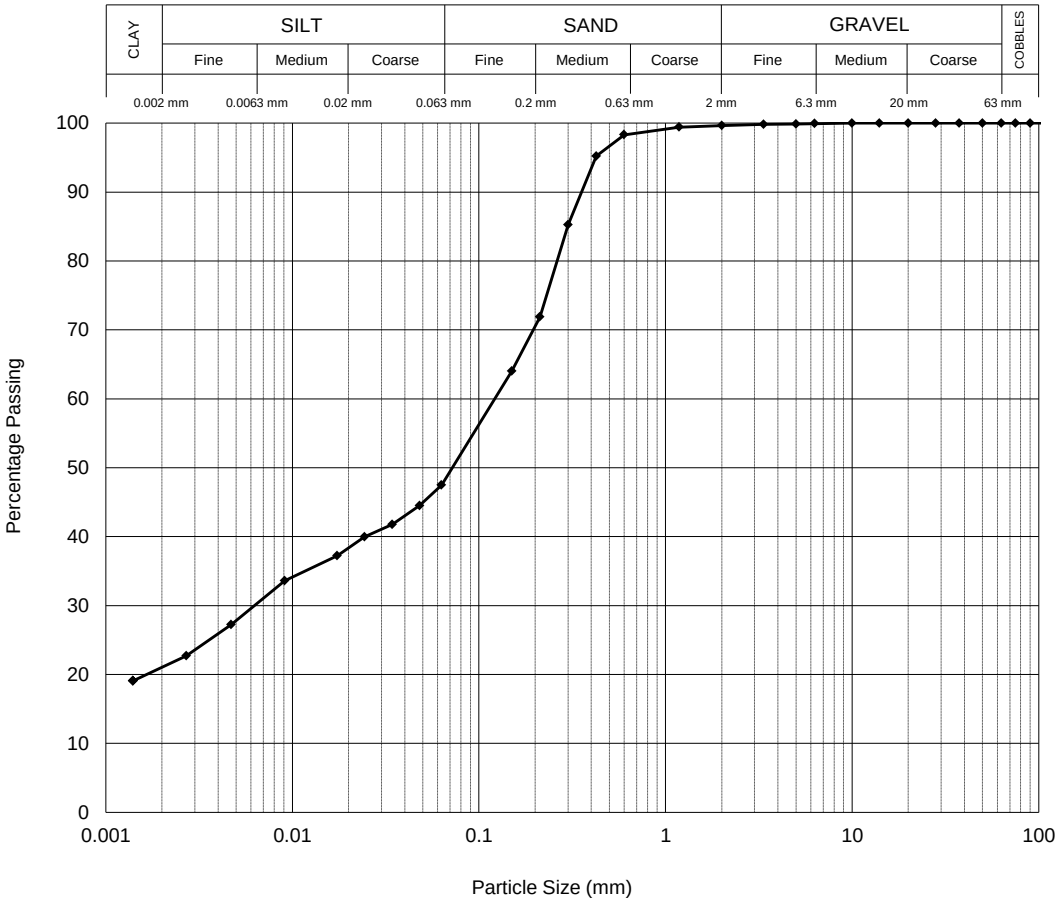
| | |
|---|---|
| Location | TP309 |
| Depth (m) | 1.50 |
| Sample Type | B |

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 |

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# PARTICLE SIZE DISTRIBUTION

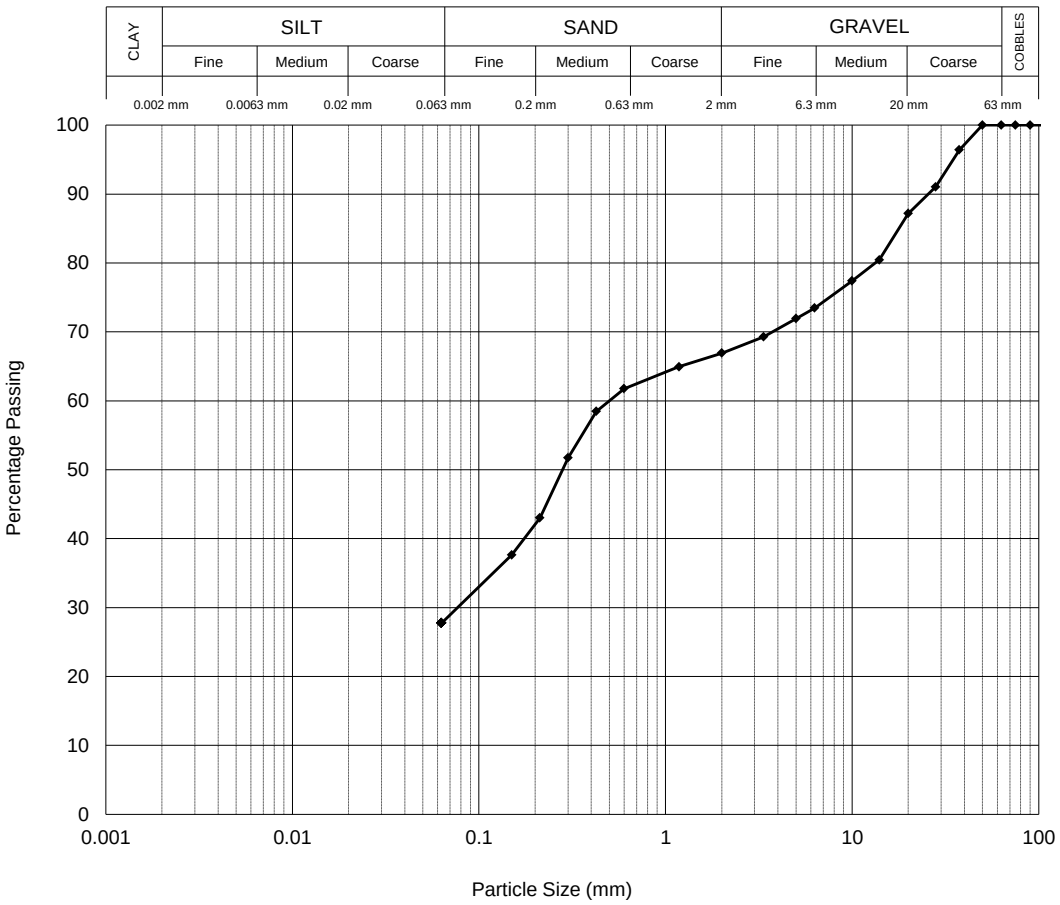
| | |
|---|---|
| Location | TP402 |
| Depth (m) | 1.00-1.50 |
| Sample Type | B |

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 |

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# PARTICLE SIZE DISTRIBUTION

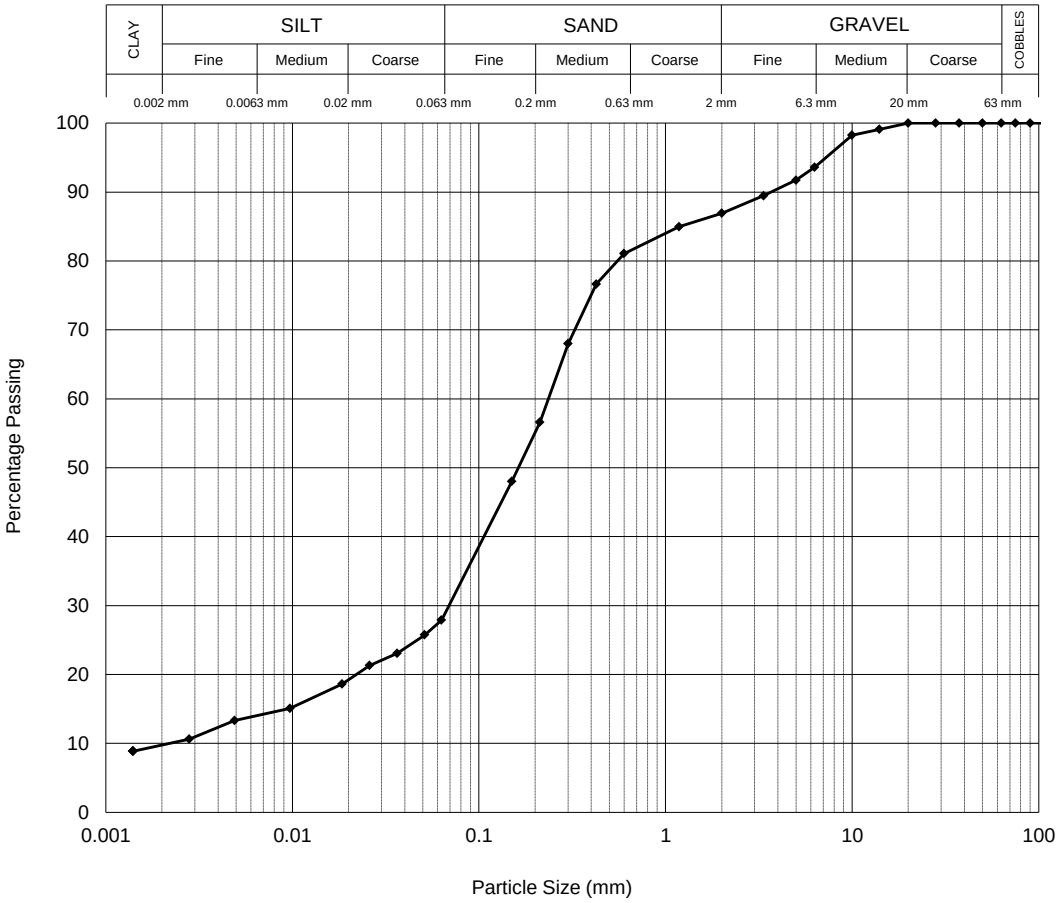
| | |
|---|---|
| Location | TP404 |
| Depth (m) | 1.00-1.50 |
| Sample Type | B |

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 |

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# PARTICLE SIZE DISTRIBUTION

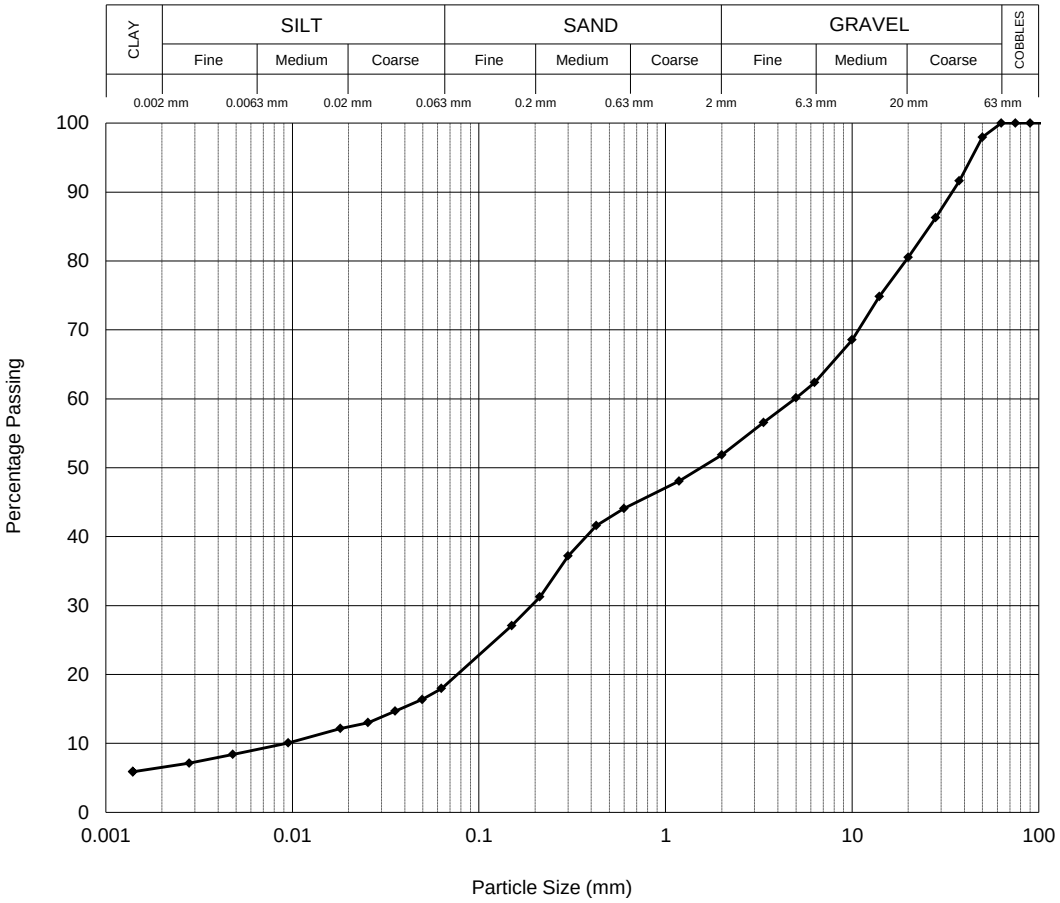
| | |
|---|---|
| Location | TP405 |
| Depth (m) | 2.00-2.50 |
| Sample Type | B |

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 |

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# PARTICLE SIZE DISTRIBUTION

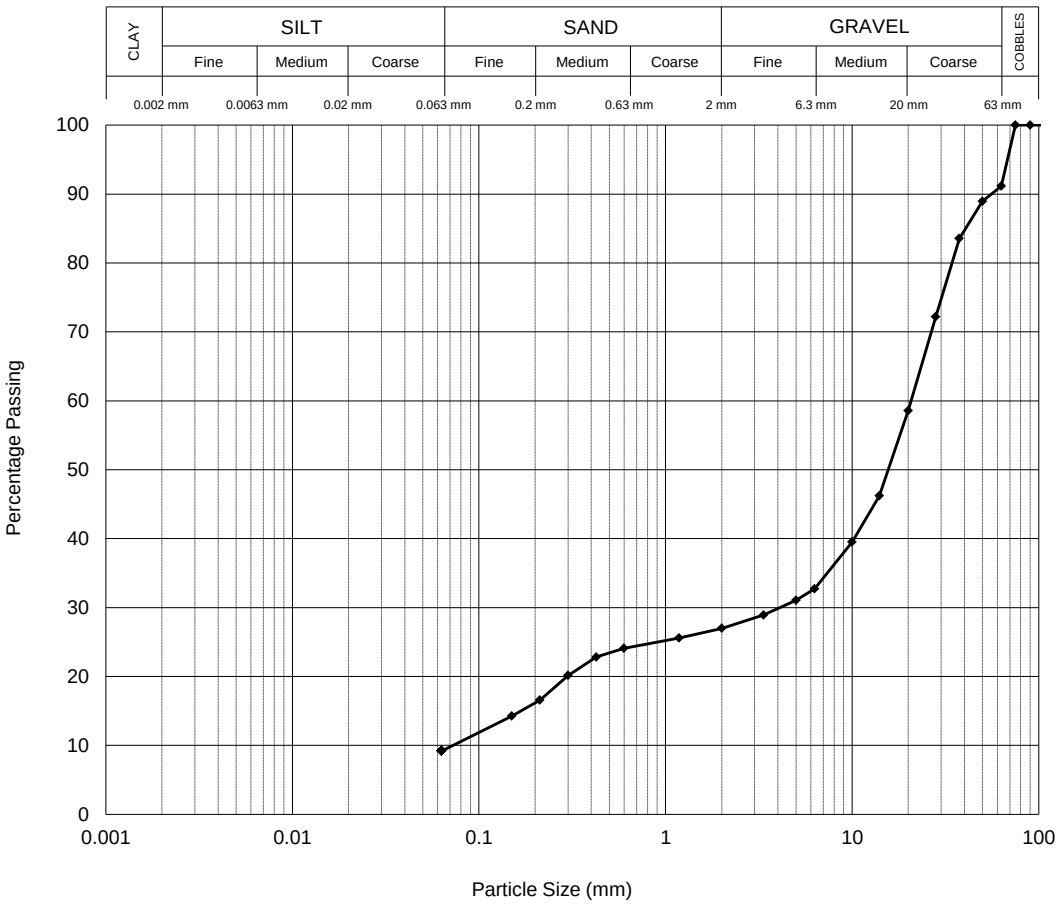
| | |
|---|---|
| Location | TP406 |
| Depth (m) | 0.50-1.00 |
| Sample Type | B |

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 |

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BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

| | |
|---|---|
| Location | TP407 |
| Depth (m) | 1.00 |
| Sample Type | B |

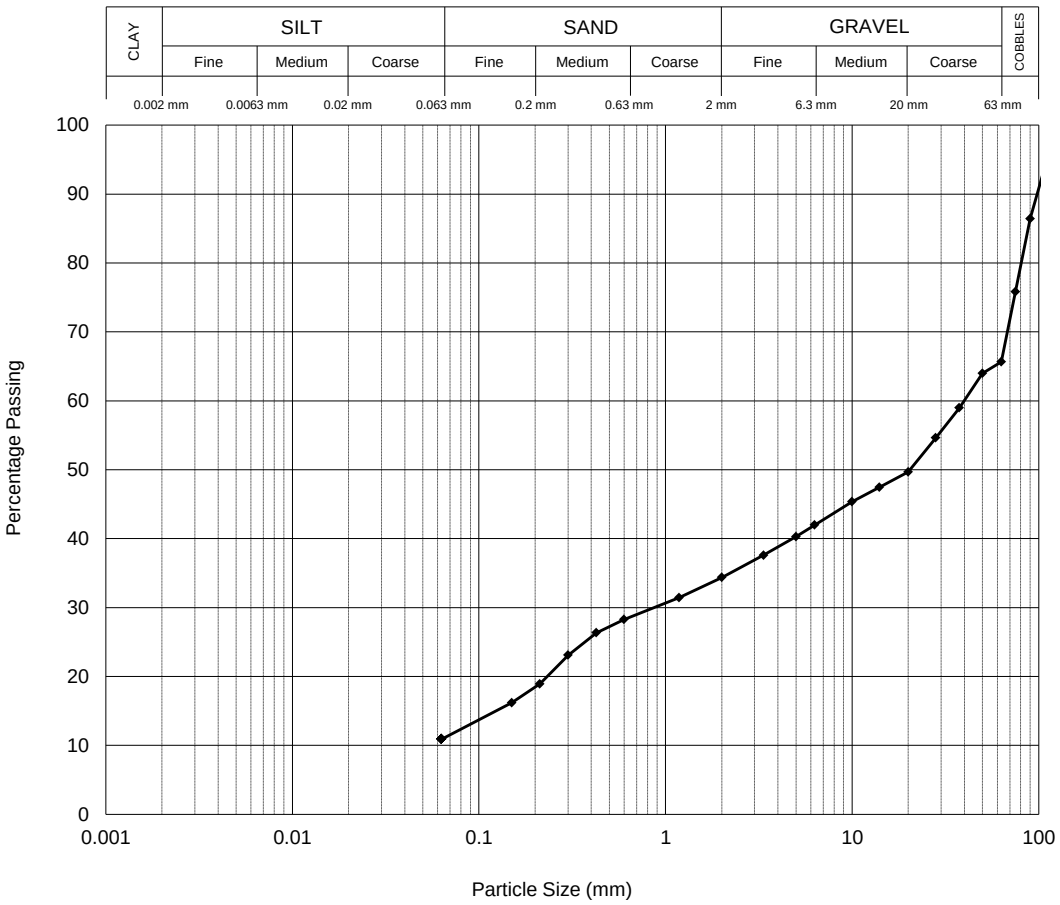
Description

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 |

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# PARTICLE SIZE DISTRIBUTION

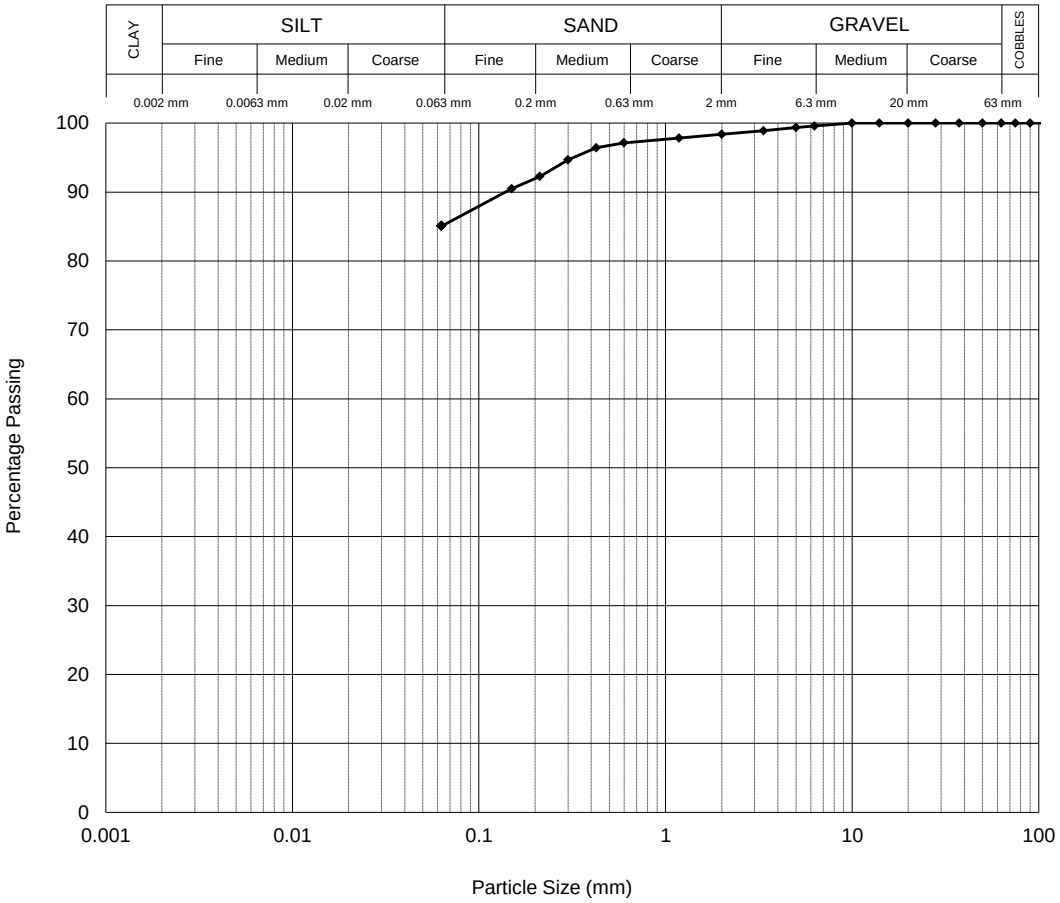
| | |
|---|---|
| Location | TP408 |
| Depth (m) | 0.80 |
| Sample Type | D |

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 |

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BS EN ISO 17892-4 : 2016

# PARTICLE SIZE DISTRIBUTION

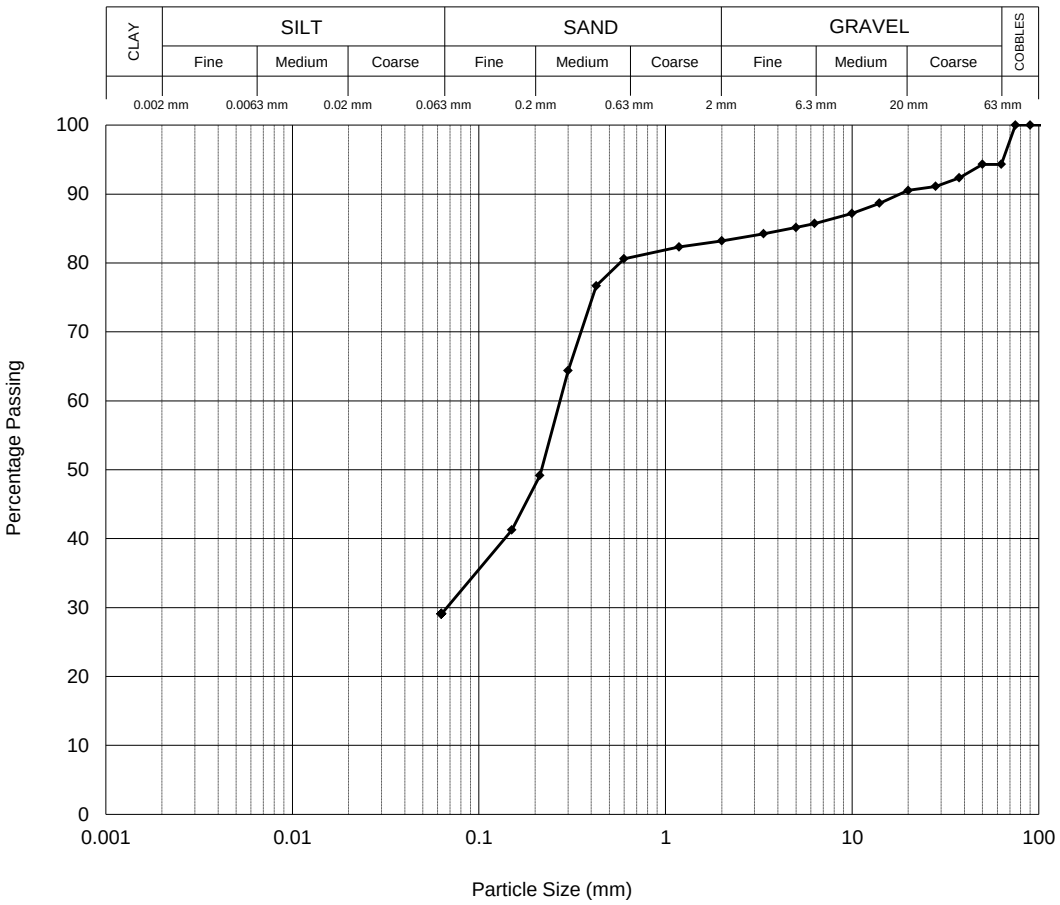
| | |
|---|---|
| Location | TP409 |
| Depth (m) | 1.10-1.20 |
| Sample Type | B |

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 |

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BS1377:Part 4:1990 Clause 3.3

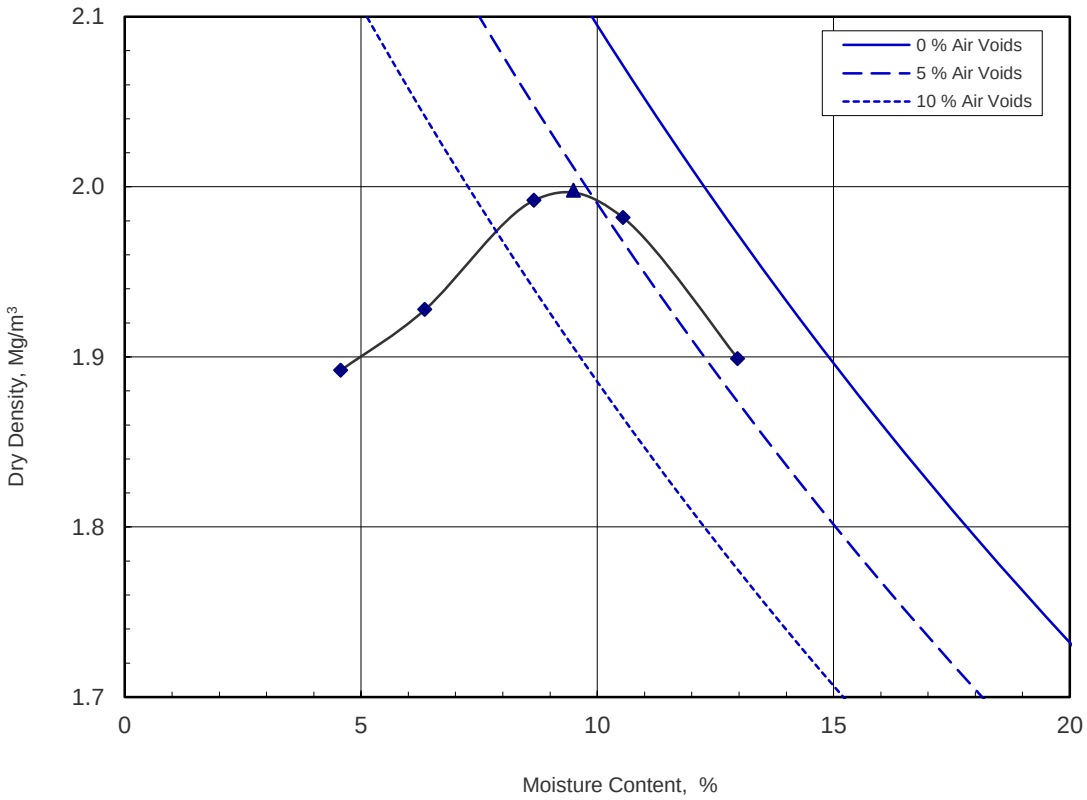
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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 |

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BS1377:Part 4:1990 Clause 3.3

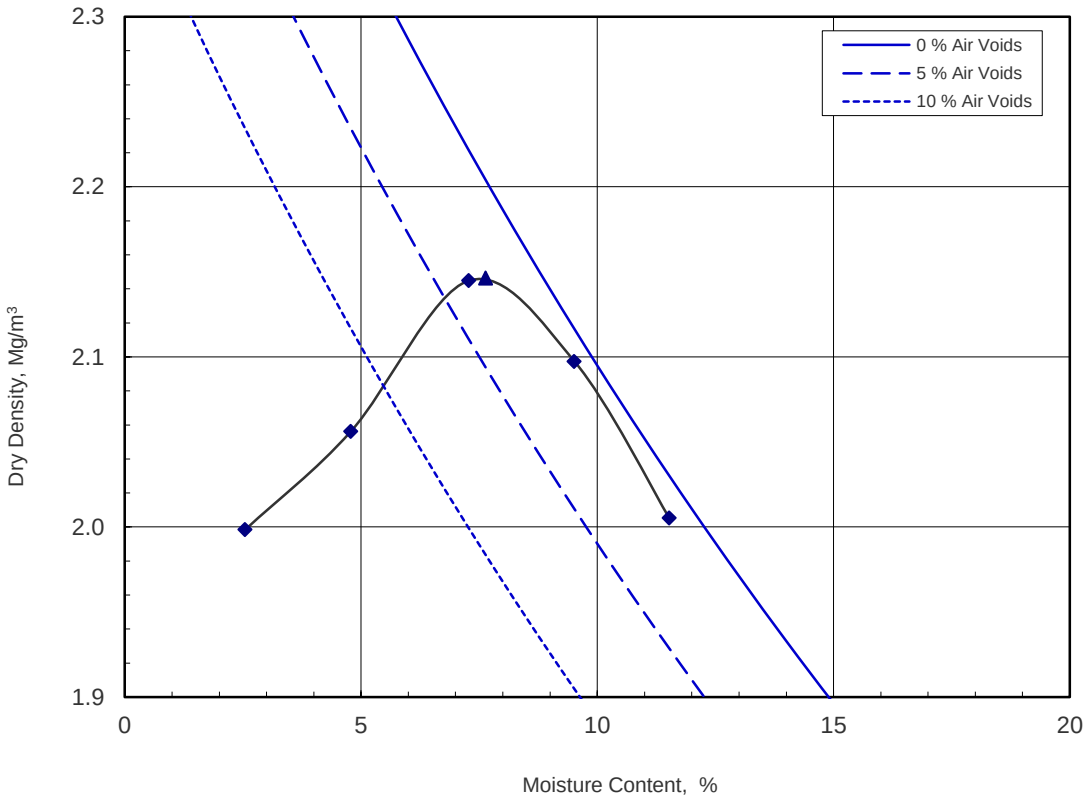
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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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BS1377:Part 4:1990 Clause 3.3

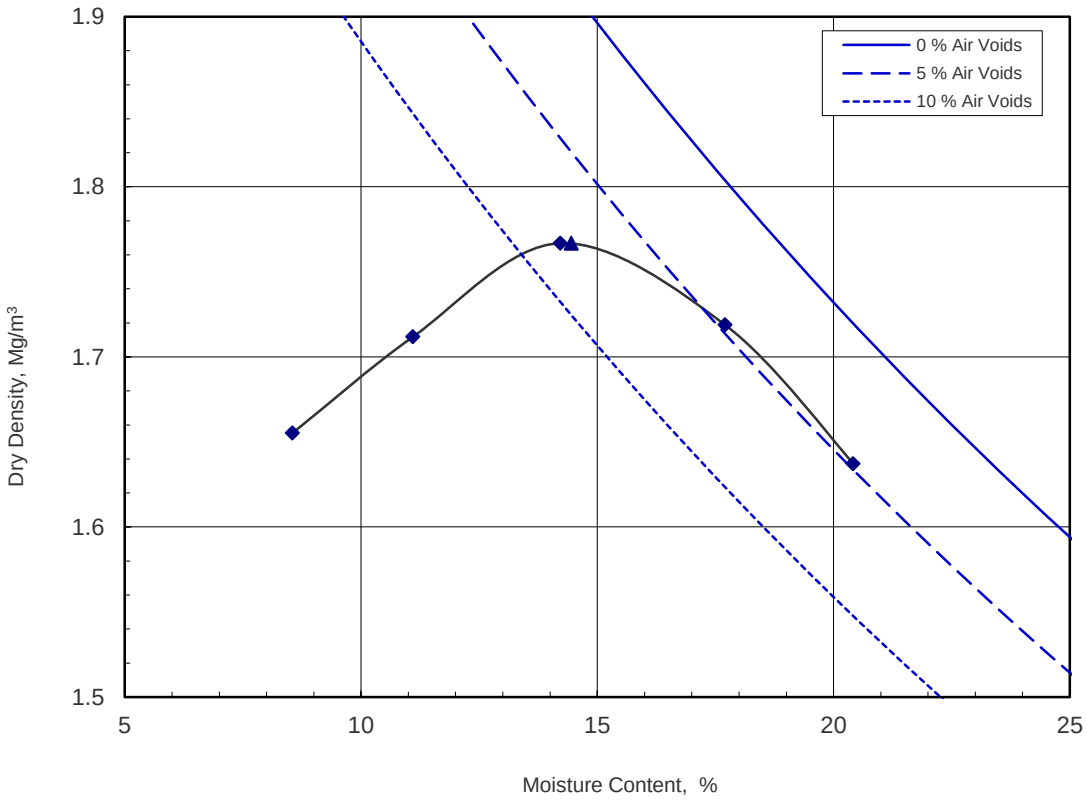
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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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**4153**

BS1377:Part 4:1990 Clause 3.4

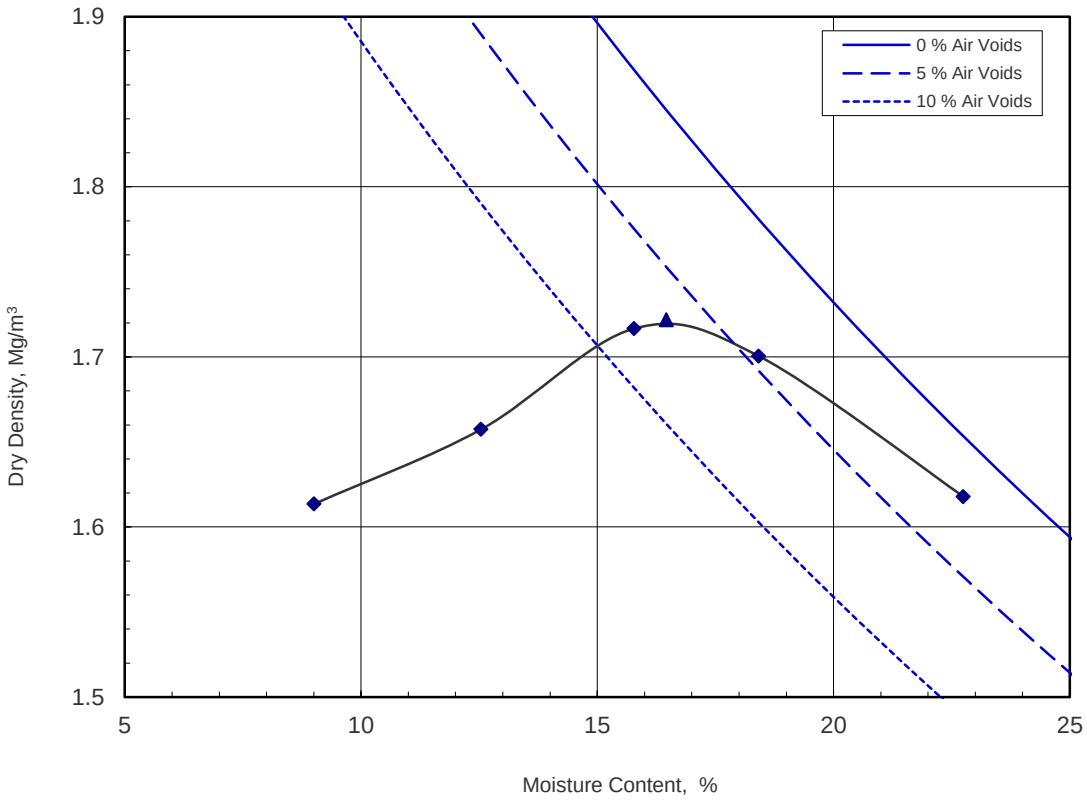
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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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J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

**GEO / 31876**

Project Name:

**MAYFIELD**
**4153**

BS1377:Part 4:1990 Clause 3.3

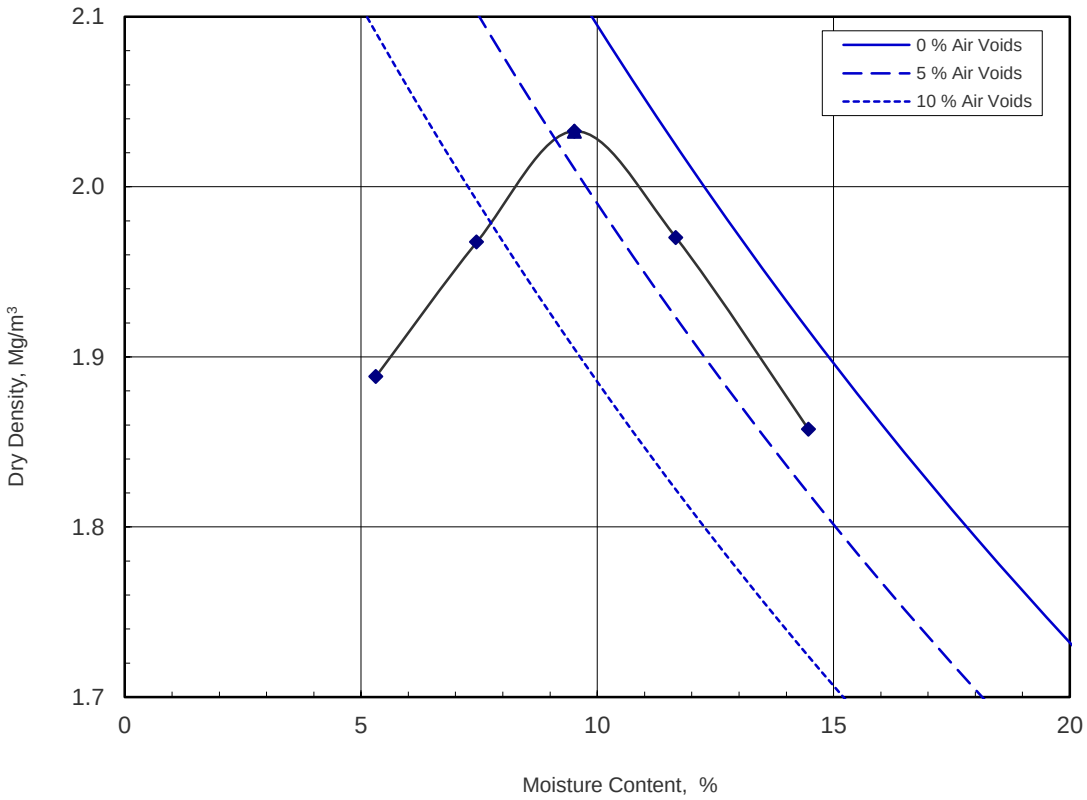
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| Location | 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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Project Number:

**GEO / 31876**

Project Name:

**MAYFIELD**
**4153**

1410 - Comp TP302 02.00 B Test 01 - 31876-220525.XLSM

BS1377:Part 4:1990 Clause 3.3

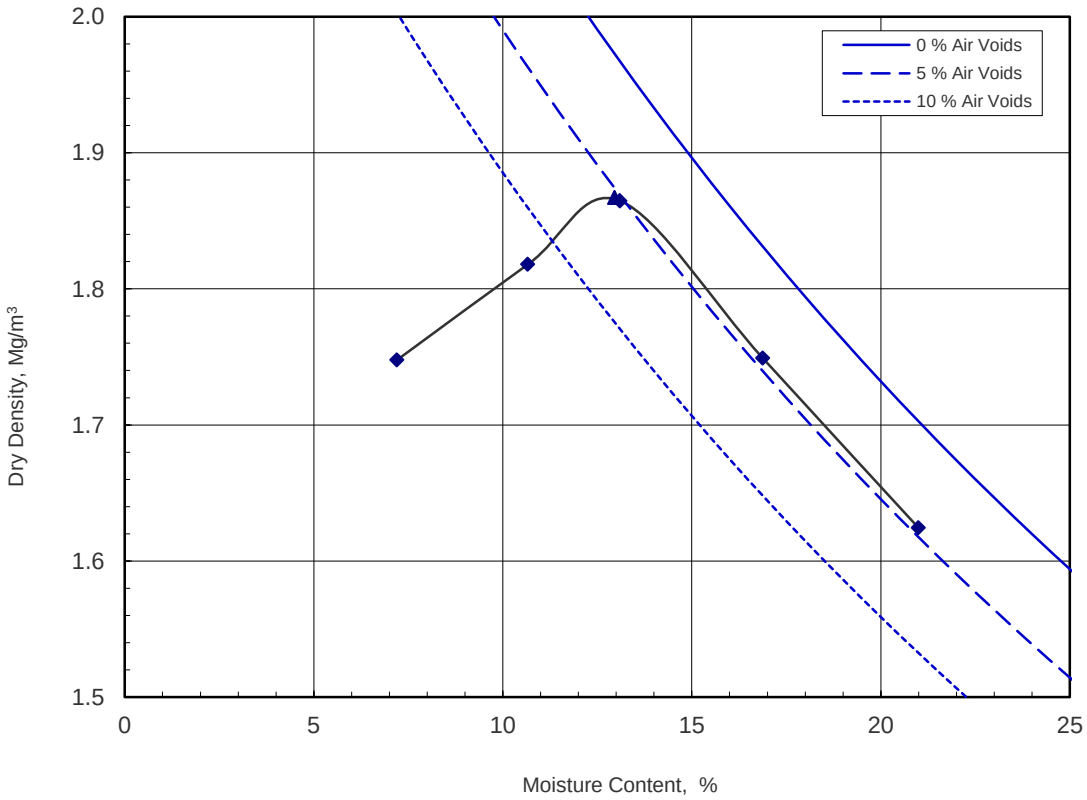
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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 |

Version 47.201007

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Project Number:

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Project Name:

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BS1377:Part 4:1990 Clause 3.3

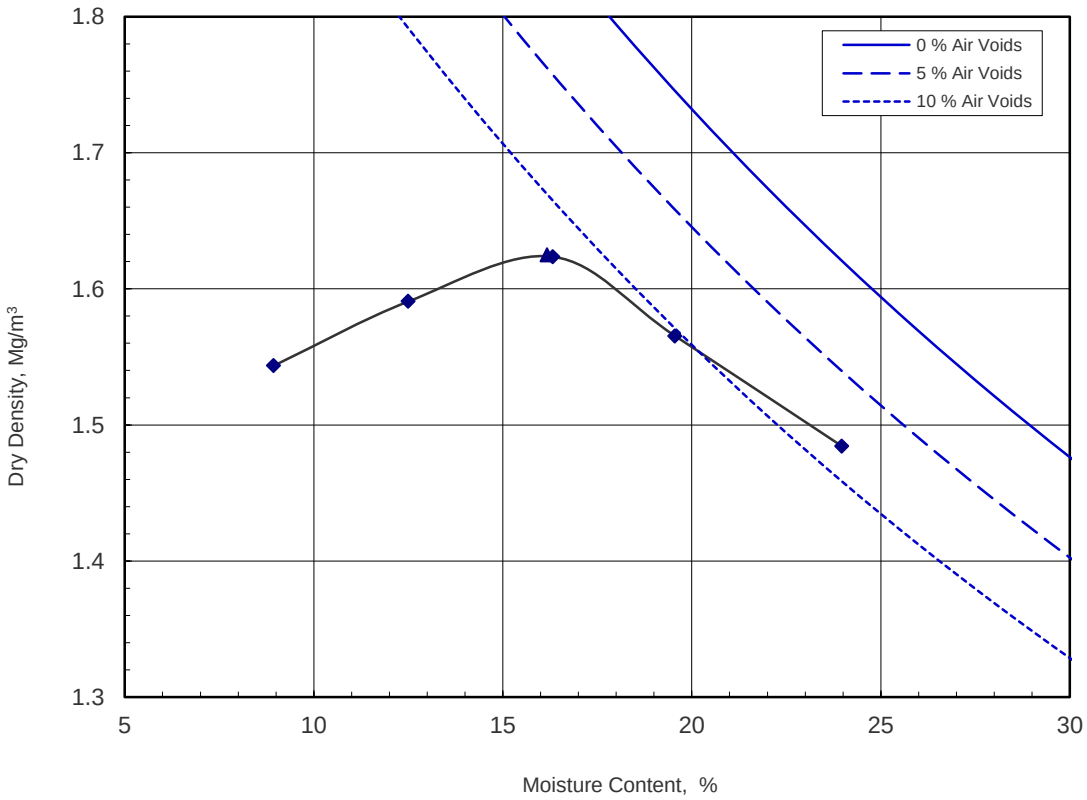
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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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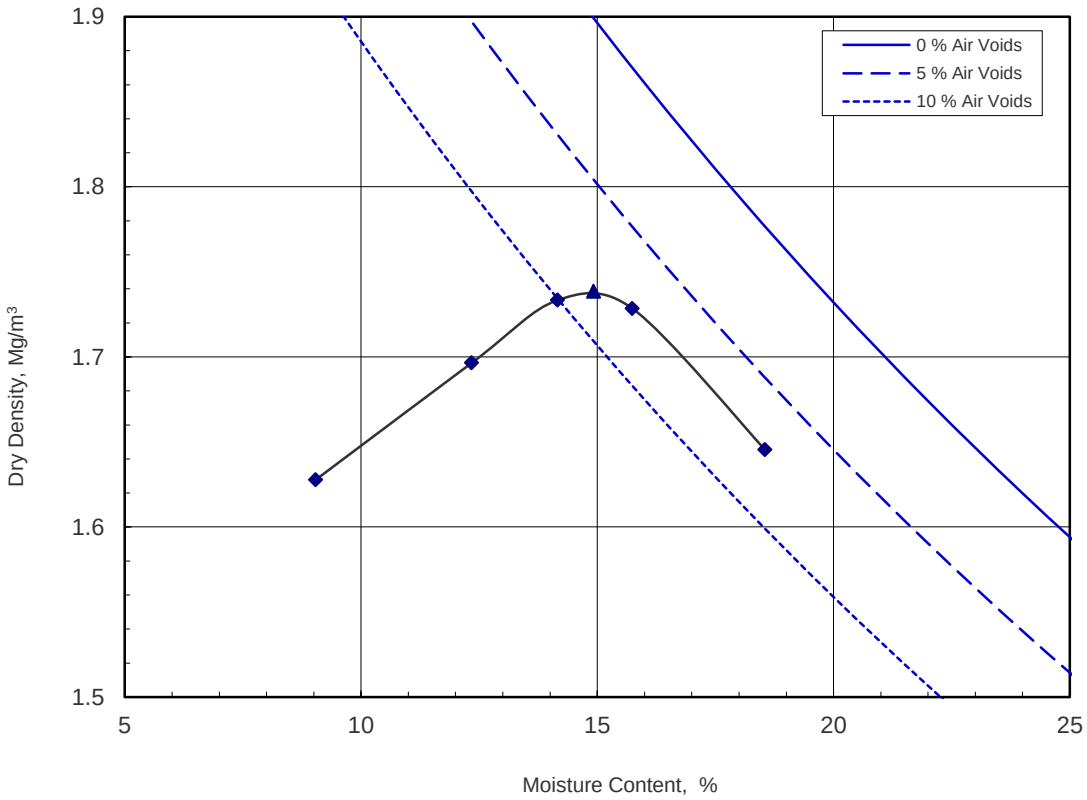
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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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Project Number:

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Project Name:

**MAYFIELD**
**4153**



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 1605007420)

BS1377:Part 4:1990 Clause 3.3

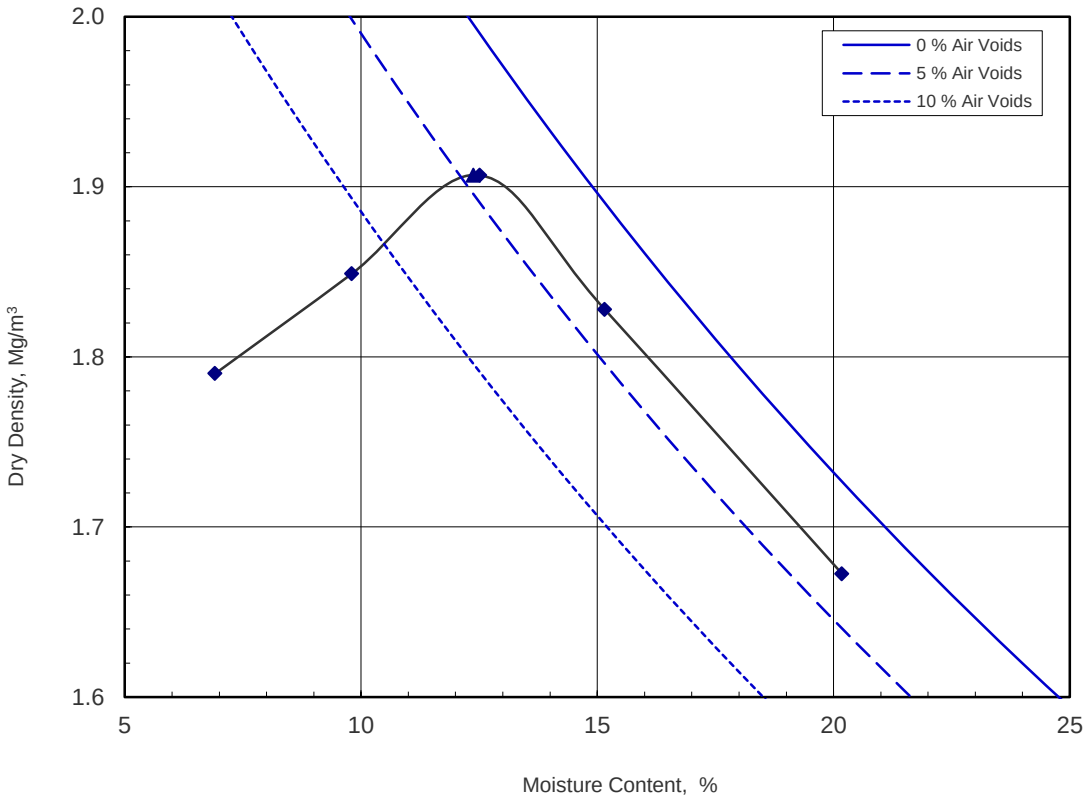
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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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Project Name:

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BS1377:Part 4:1990 Clause 3.4

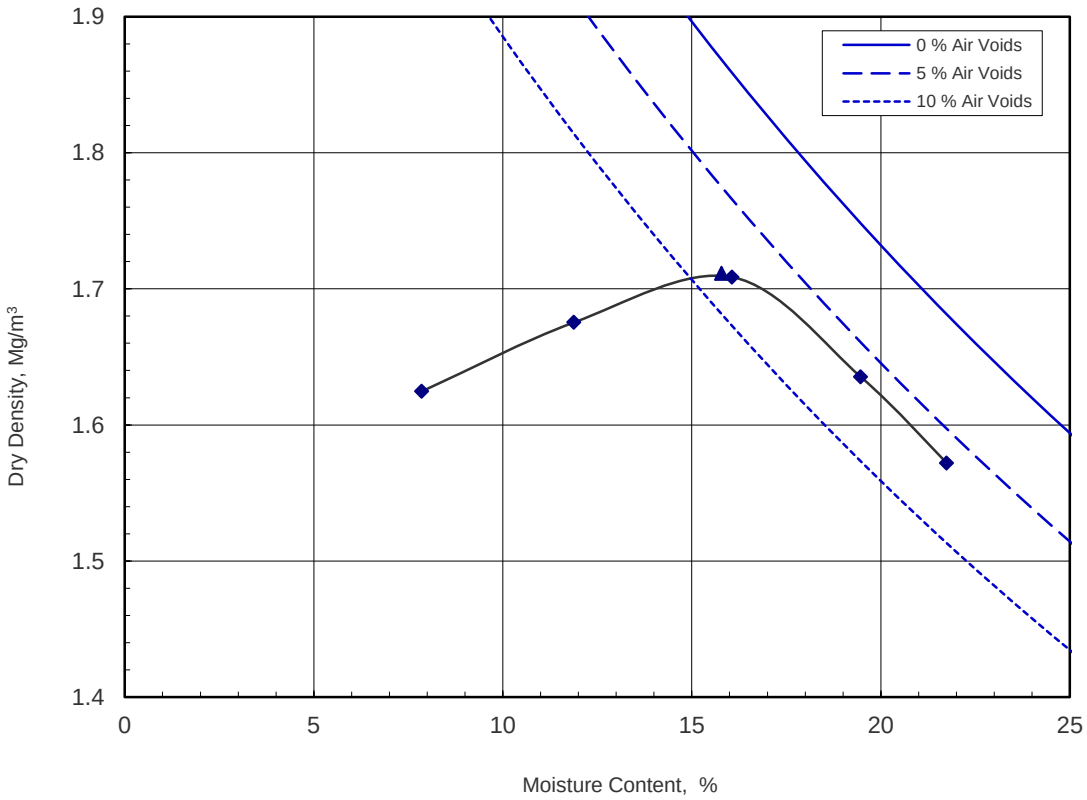
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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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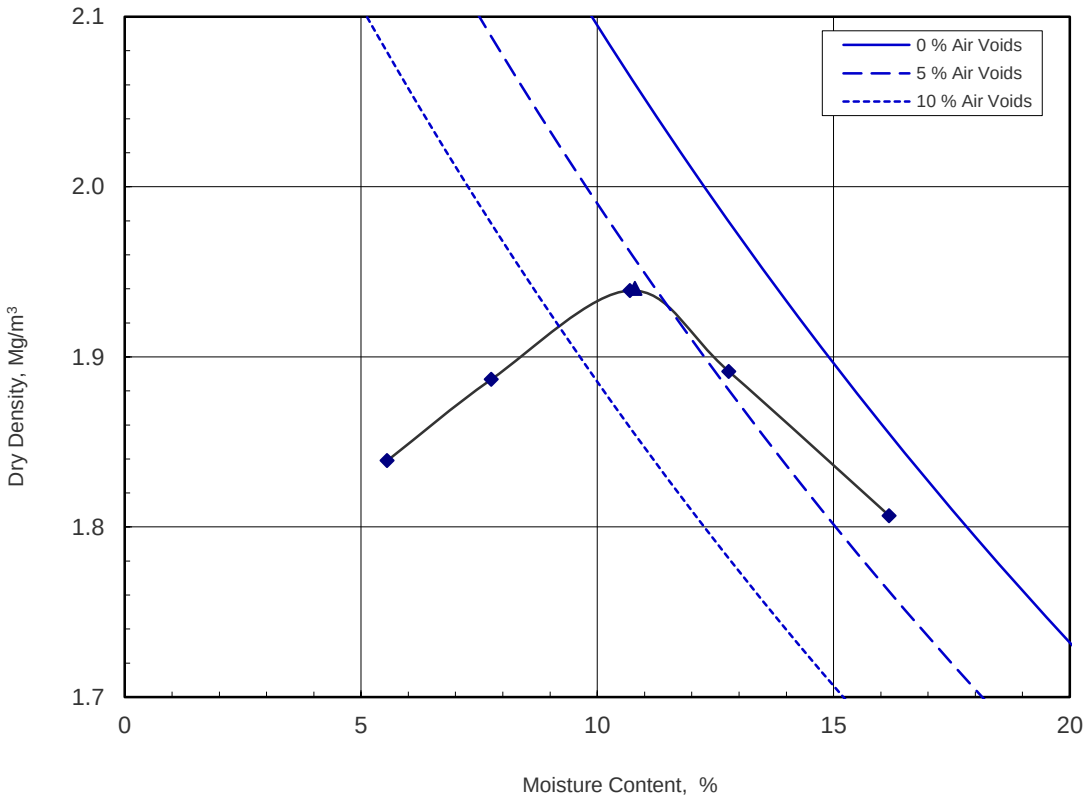
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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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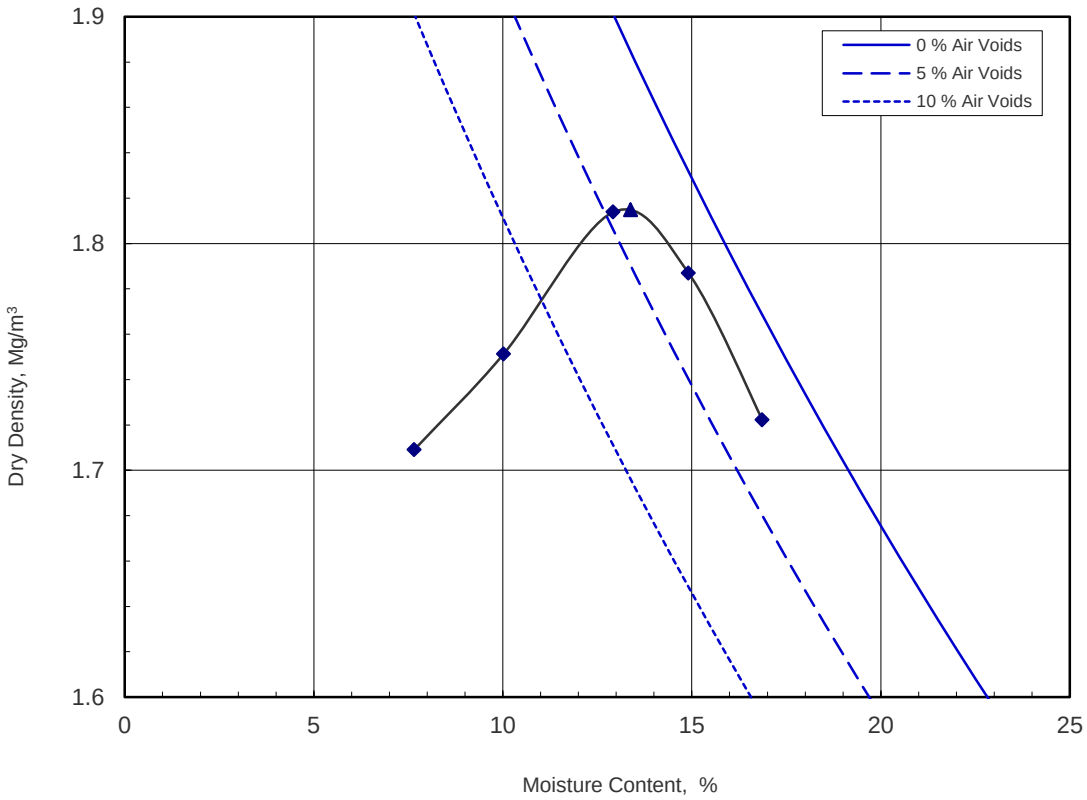
# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

| | |
|---|---|
| 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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# MOISTURE CONTENT / DRY DENSITY RELATIONSHIP

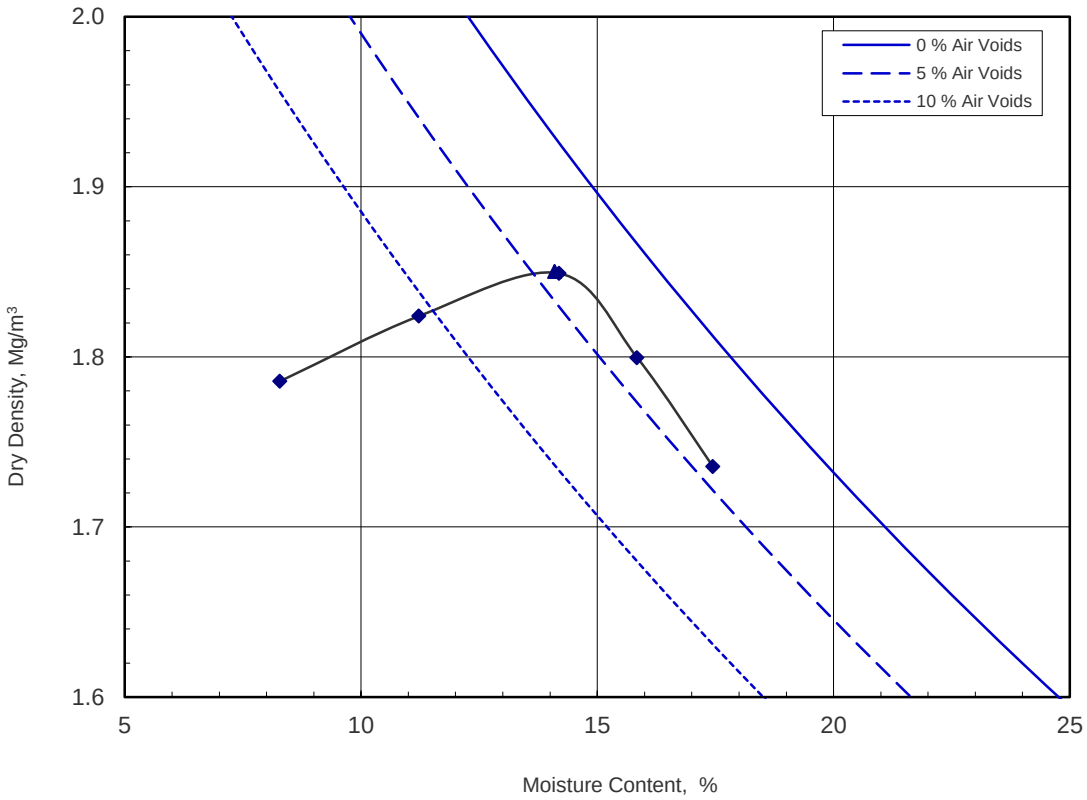
| | |
|---|---|
| Location | TP409 |
| Depth (m) | 1.10-1.20 |
| Sample Type | B |

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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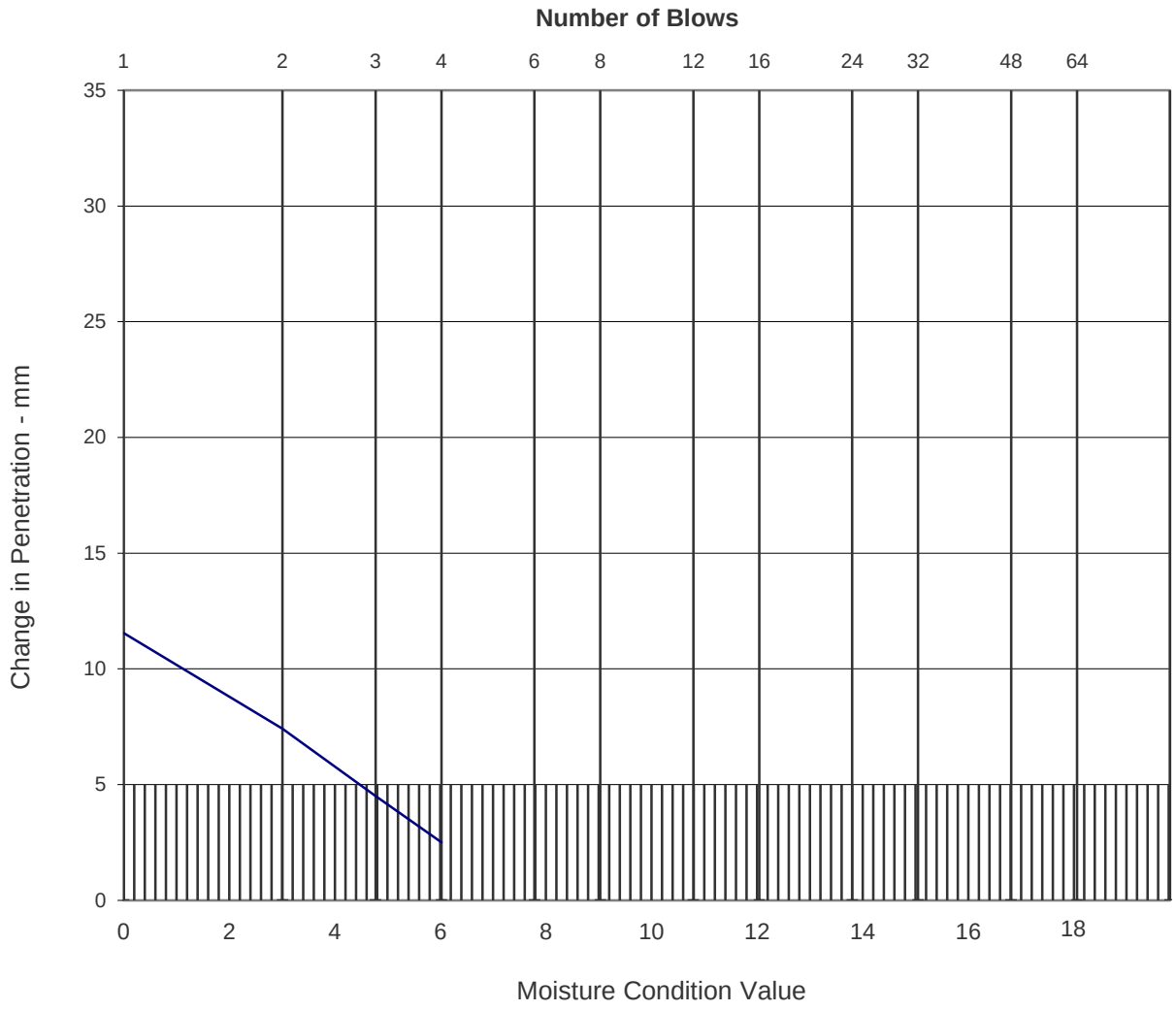
**MAYFIELD**
**4153**

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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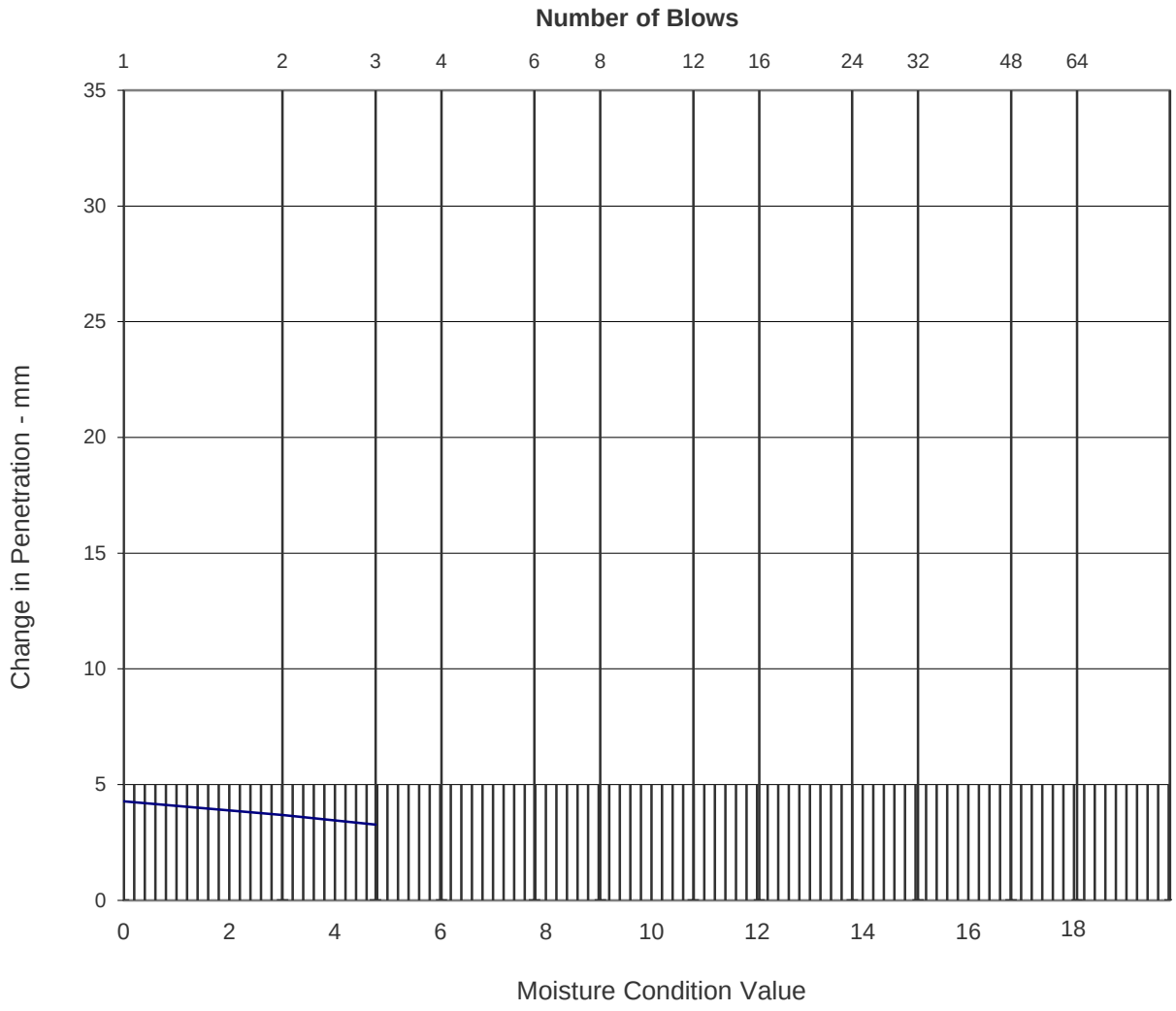
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BS1377:Part 4:1990 Clause 5.4

# 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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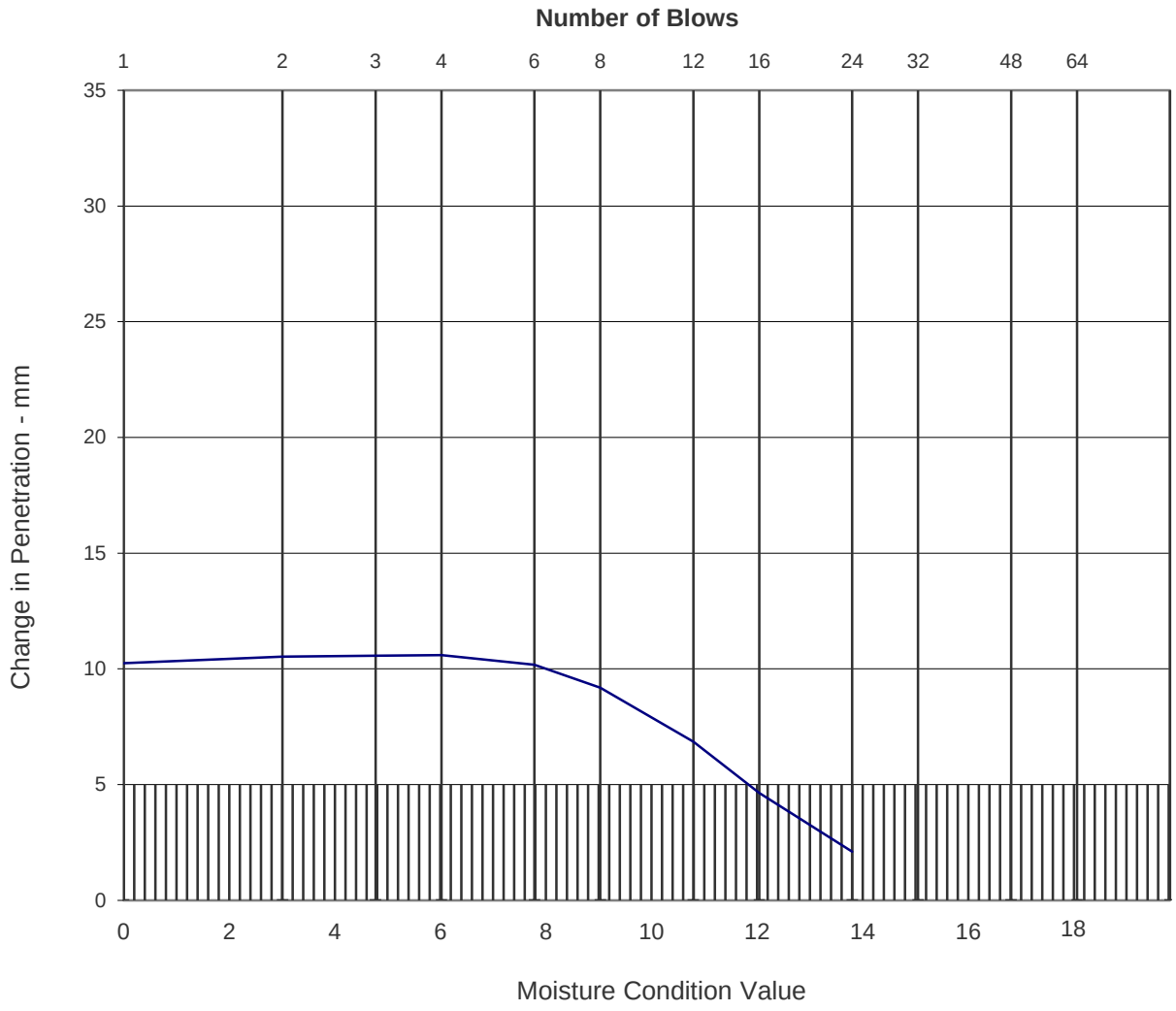
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**4153**

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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Project Number:

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Project Name:

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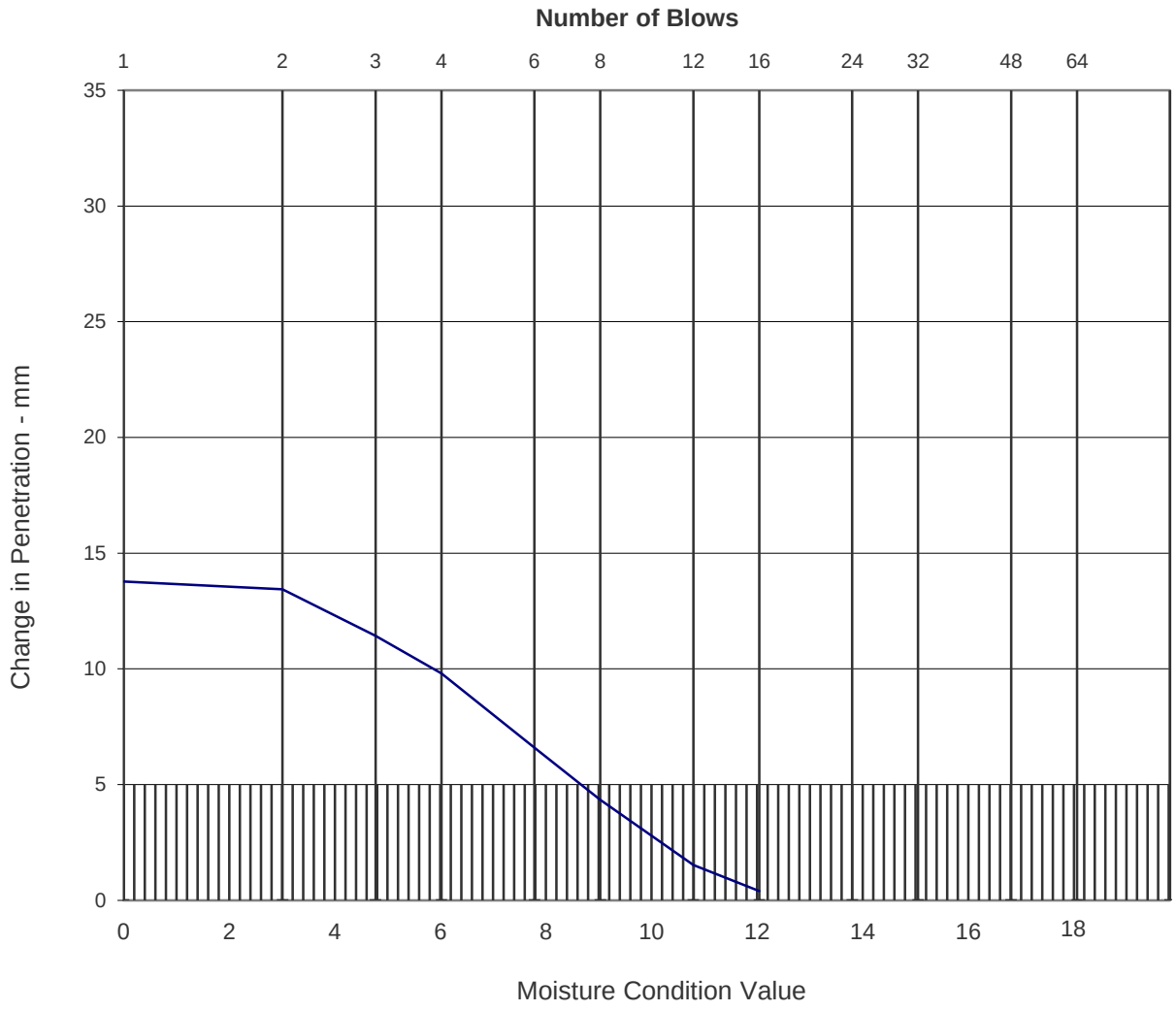
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# MOISTURE CONDITION VALUE

| | |
|---|---|
| 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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Project Number:

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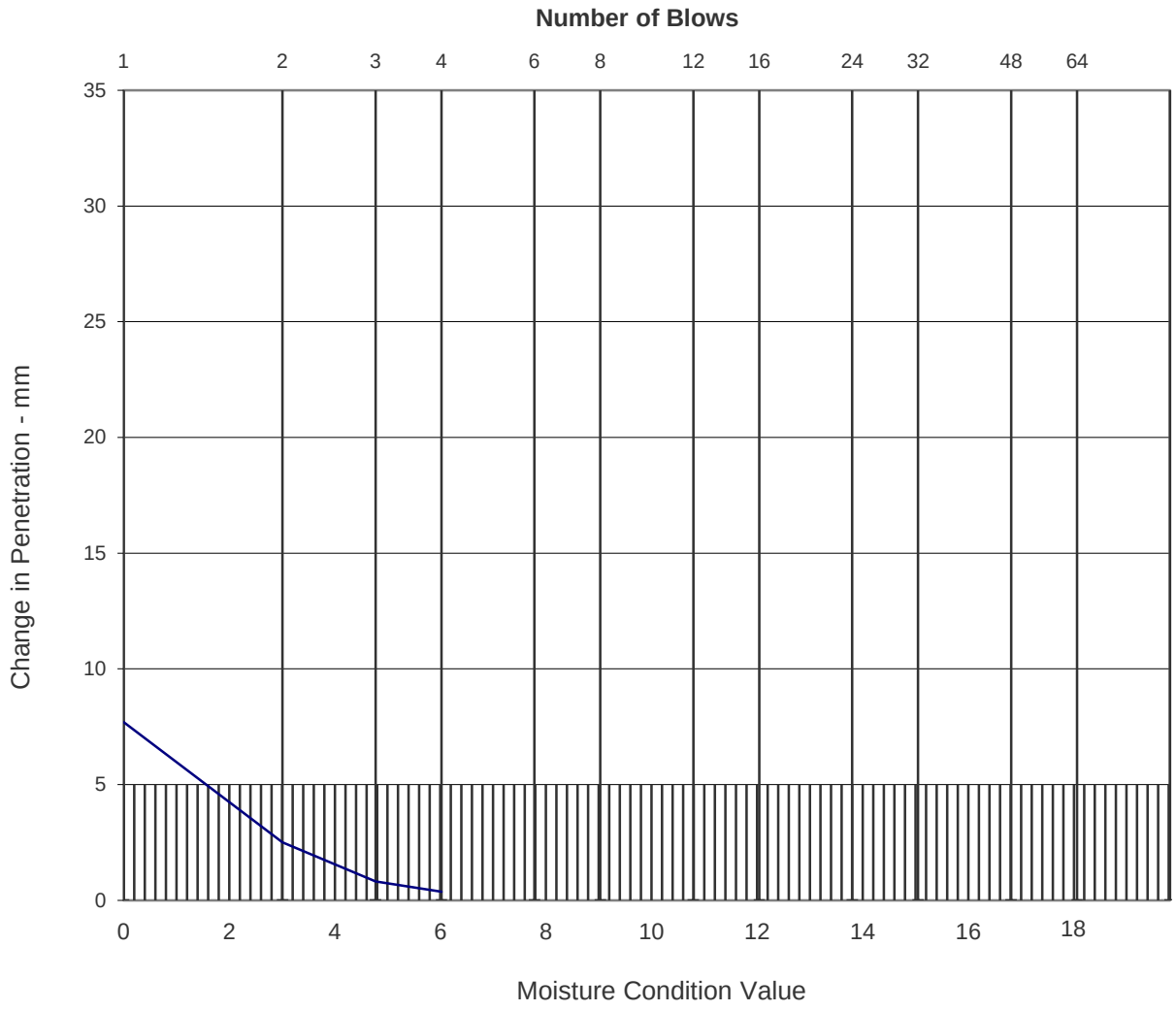
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BS1377:Part 4:1990 Clause 5.4

# 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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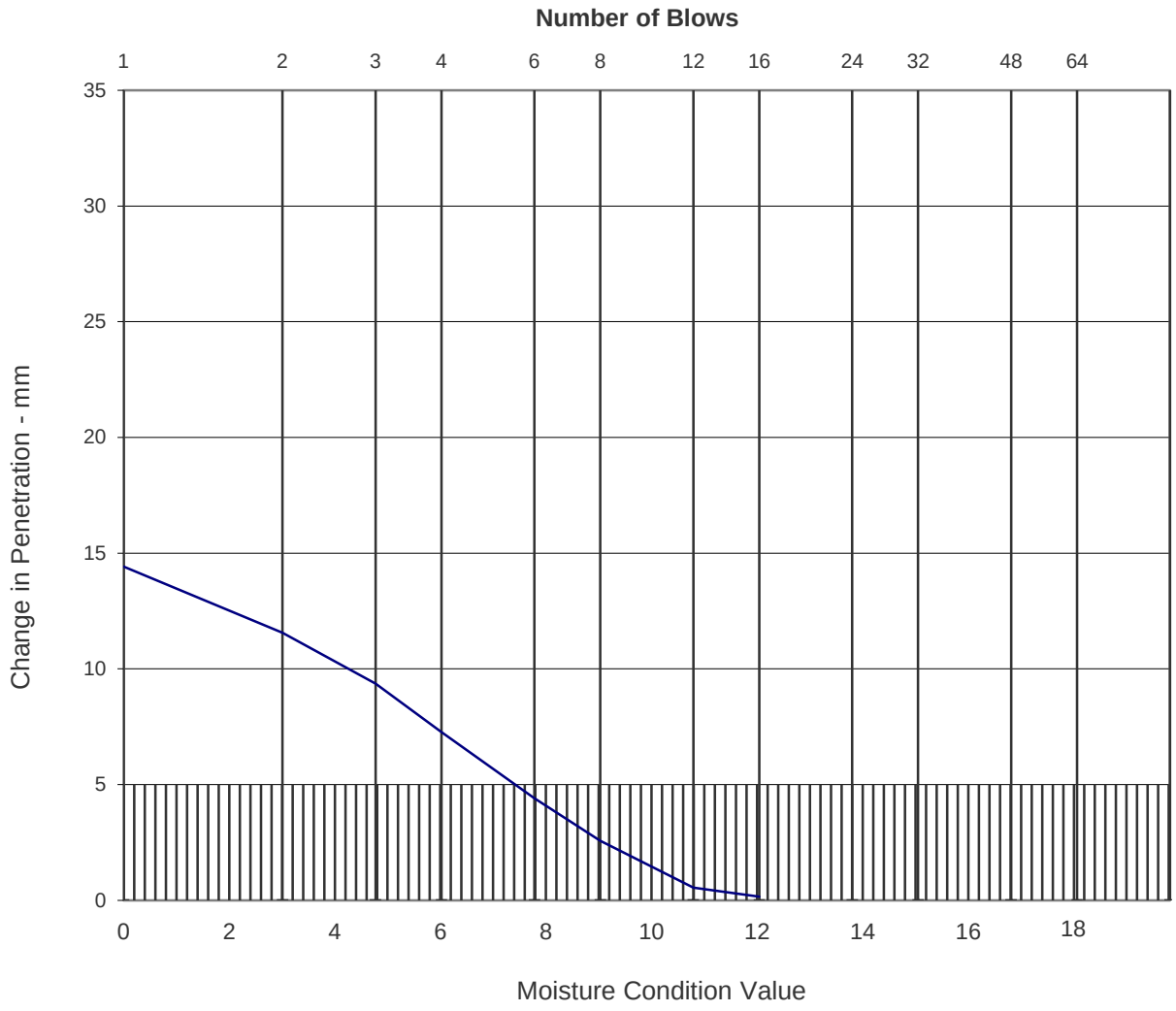
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BS1377:Part 4:1990 Clause 5.4

# 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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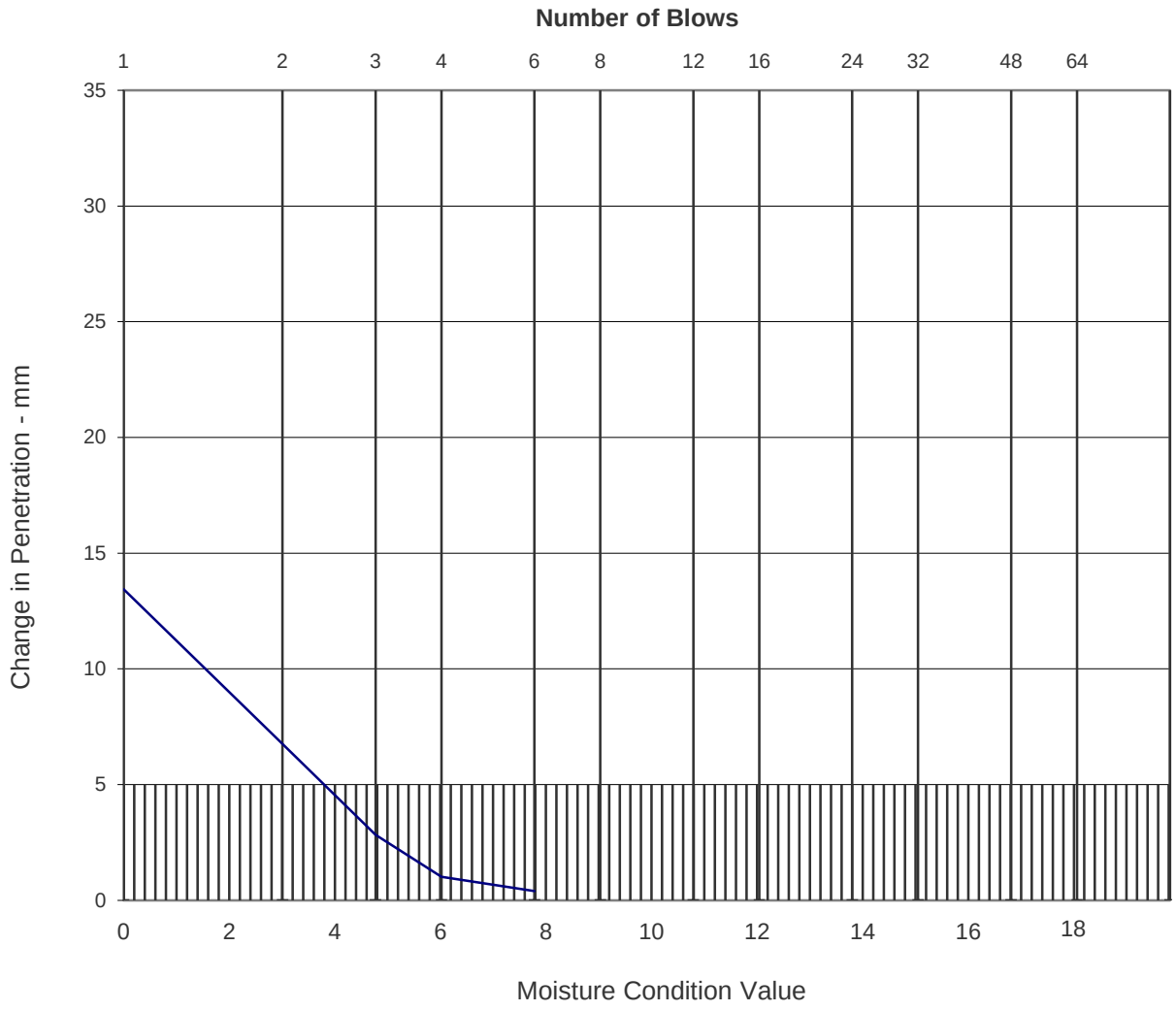
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BS1377:Part 4:1990 Clause 5.4

# 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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Project Number:

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Project Name:

**MAYFIELD**
**4153**

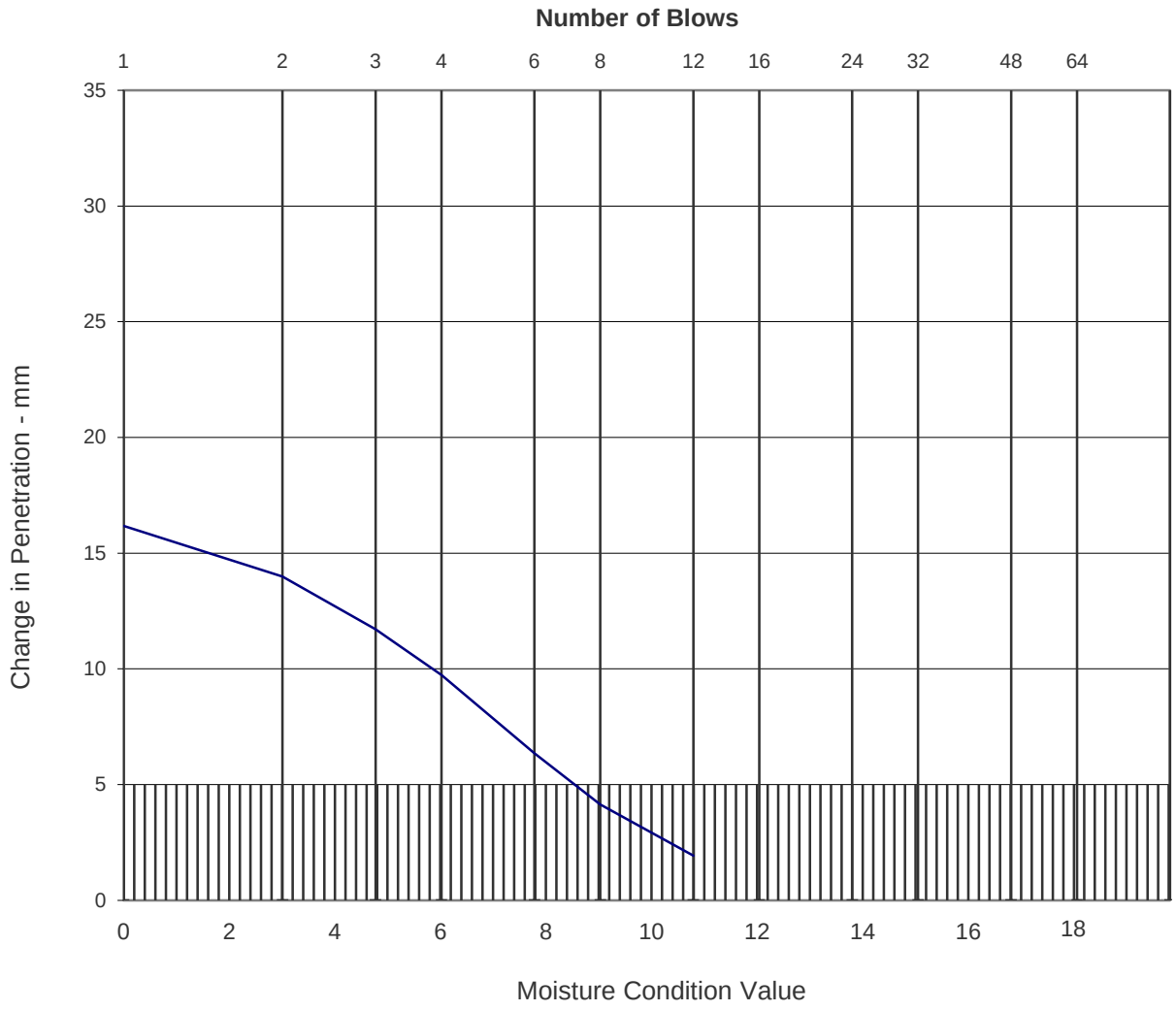
GEOLABS

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 | | | | |

Checked and Approved by:

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

**GEO/31876**

Project Name:

**MAYFIELD**
**4153**

GEOLABS

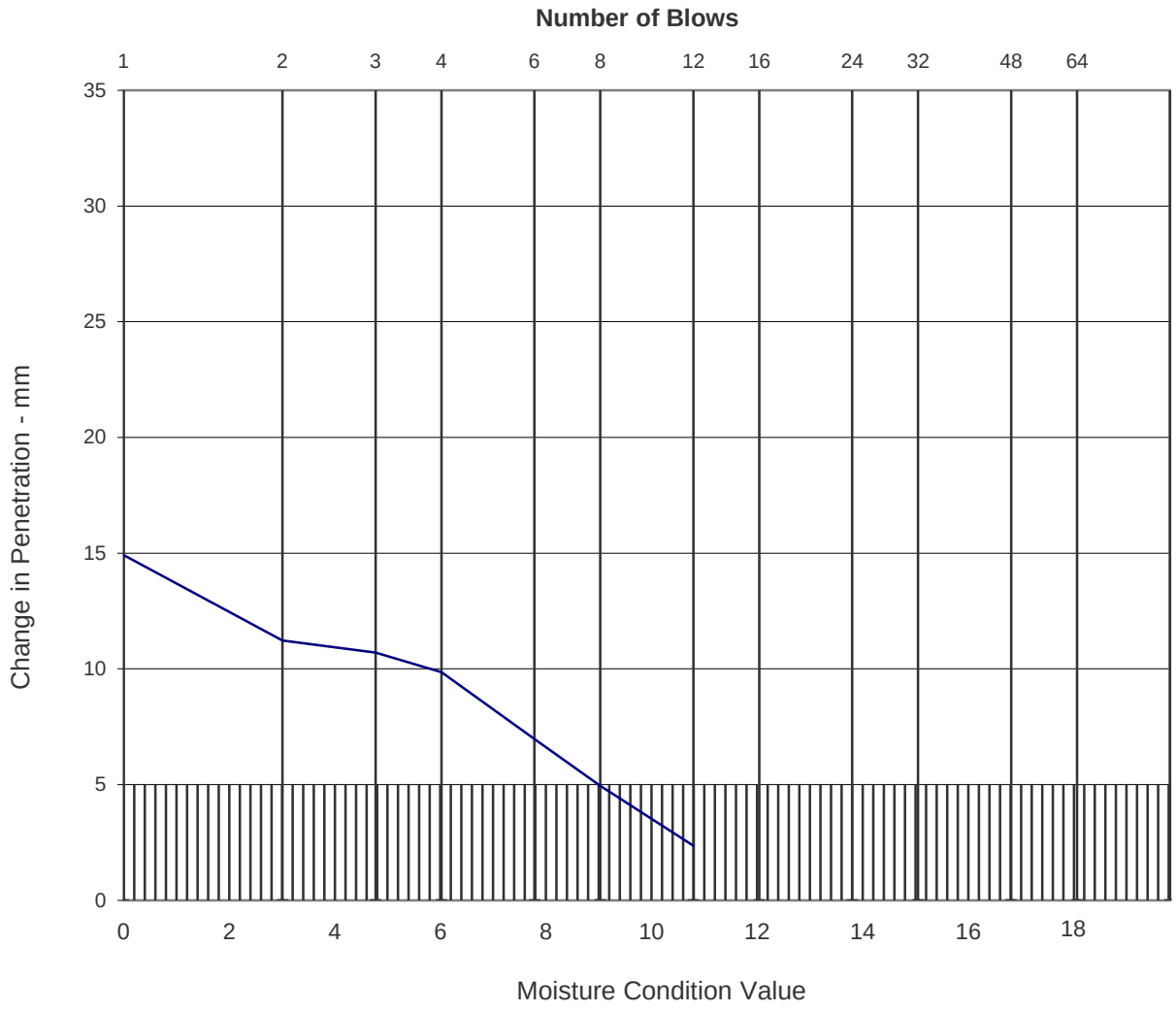
BS1377:Part 4:1990 Clause 5.4

# 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 | | | | |

Checked and Approved by:

J A Reynolds - Laboratory Manager
10/11/2020

Project Number:

**GEO/31876**

Project Name:

**MAYFIELD**
**4153**

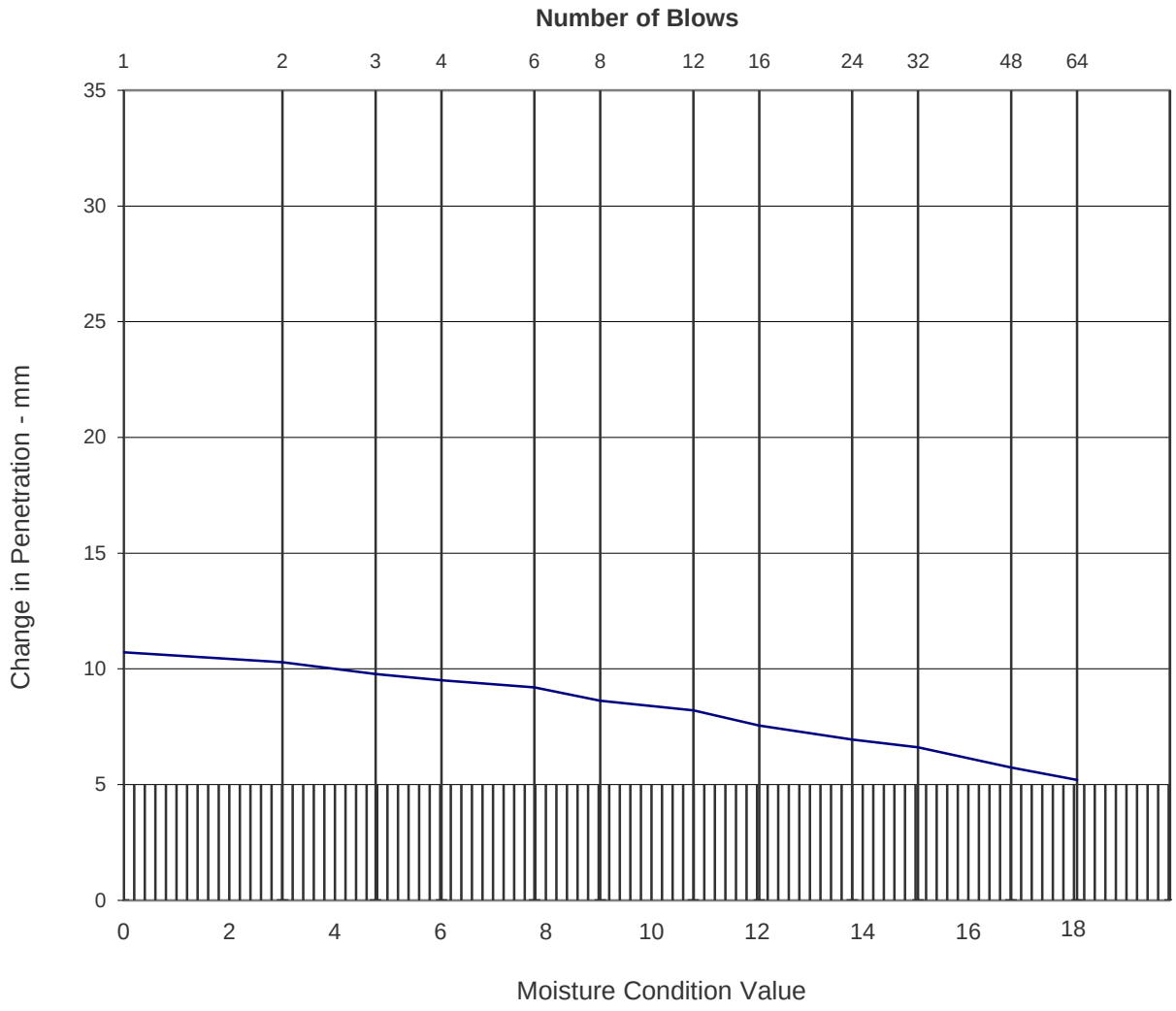
BS1377:Part 4:1990 Clause 5.4

# MOISTURE CONDITION VALUE

| | |
|---|---|
| Location | 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:

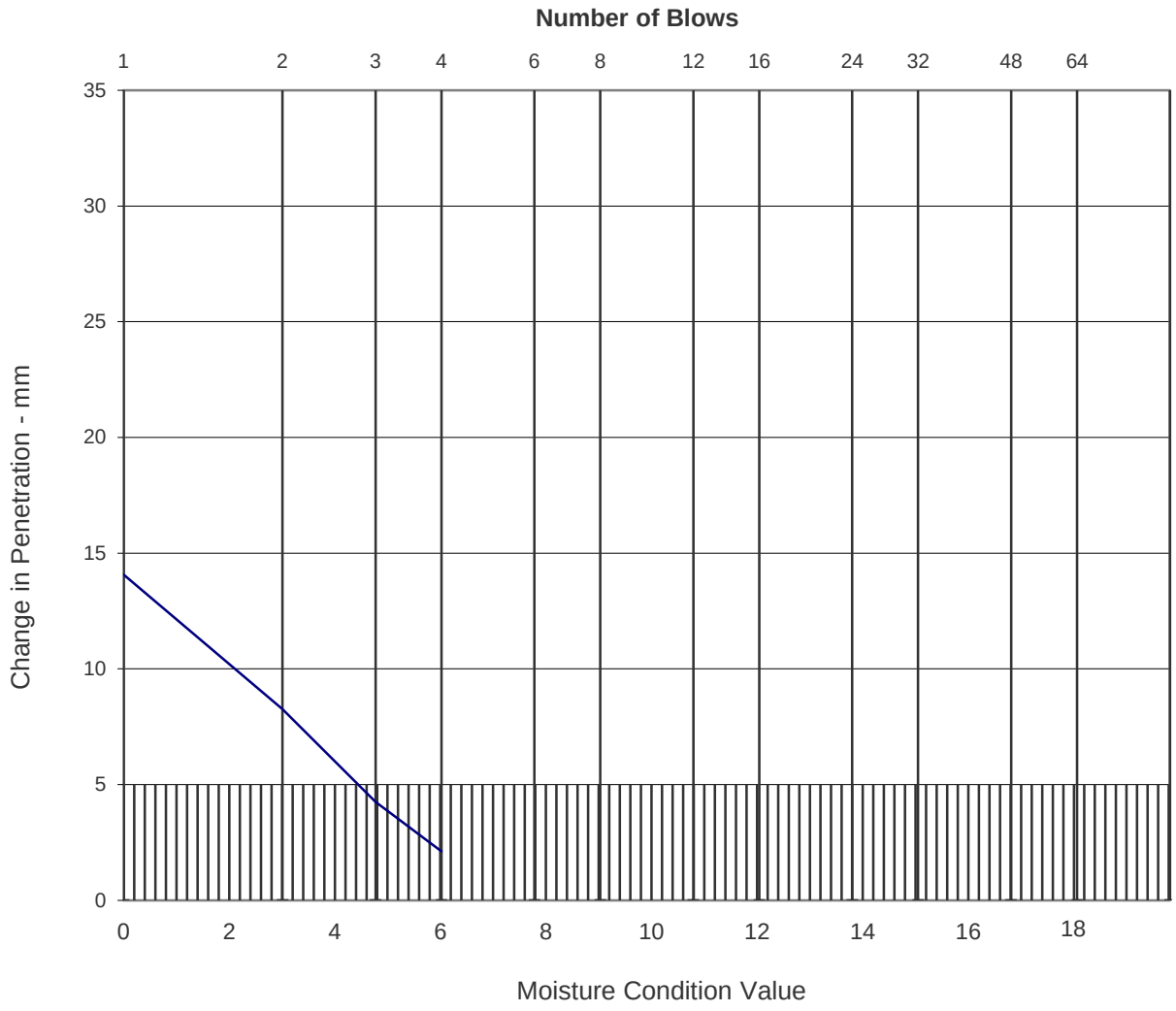
**MAYFIELD**
**4153**

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:

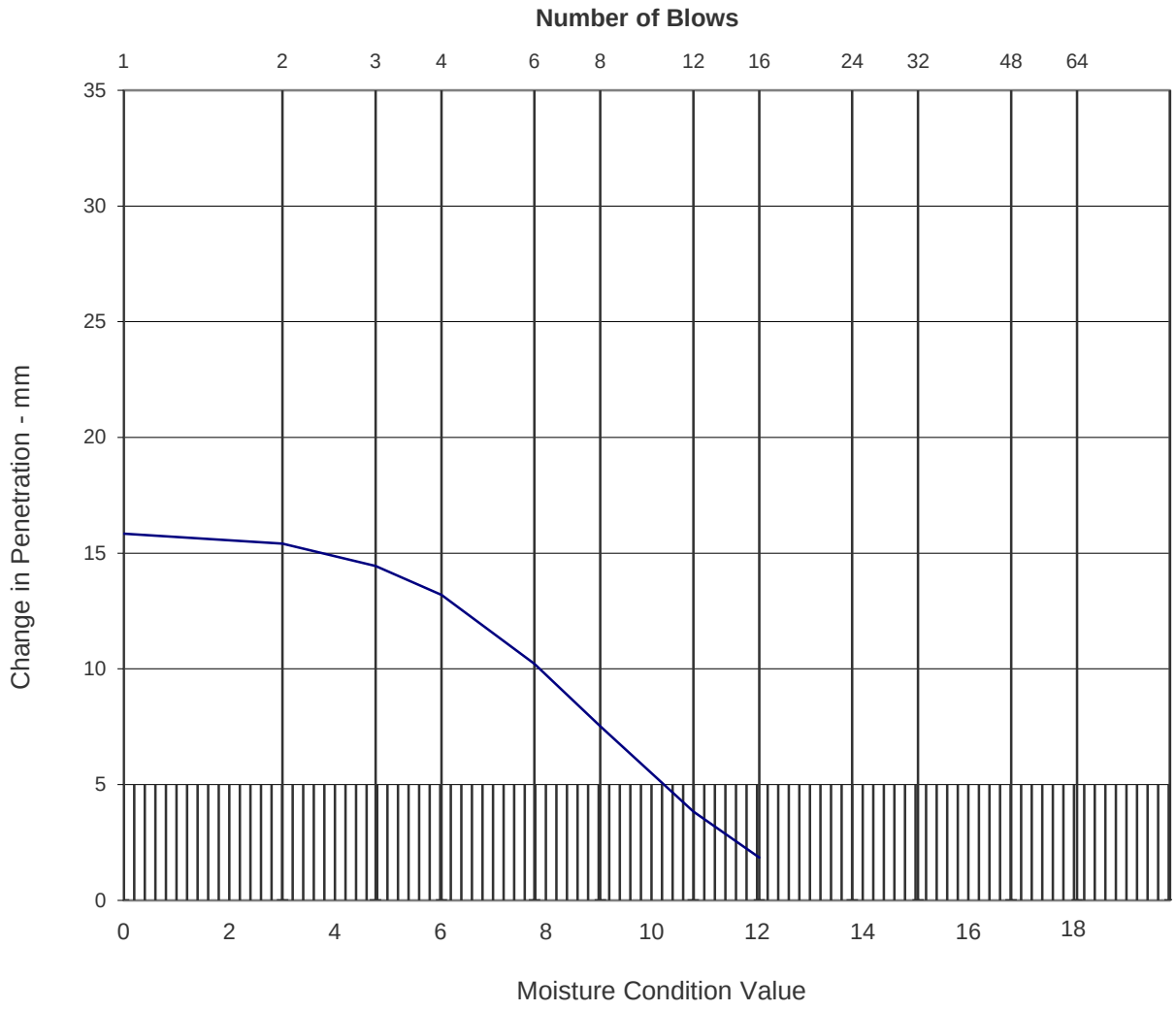
**MAYFIELD**
**4153**

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:

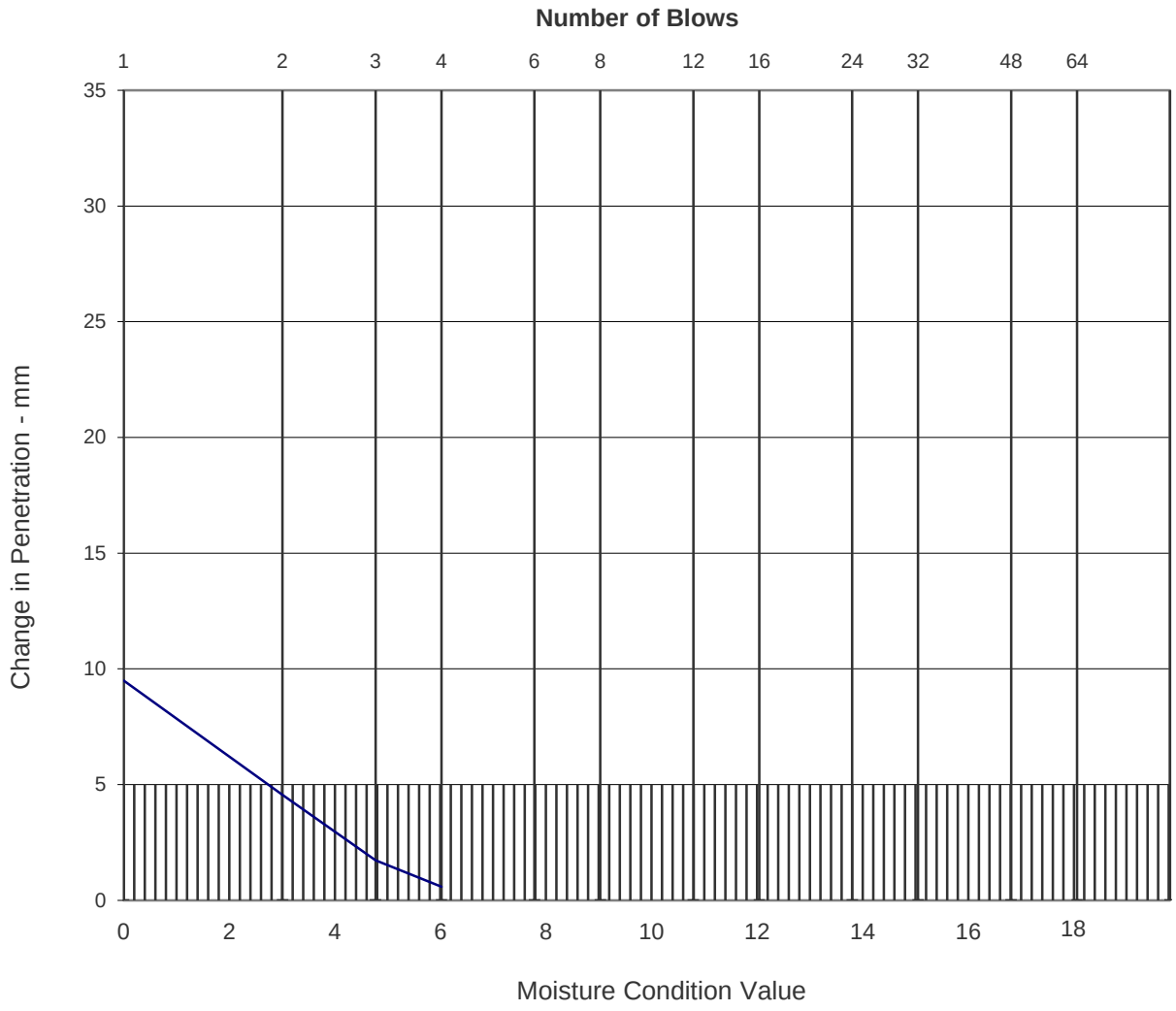
**MAYFIELD**
**4153**

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:

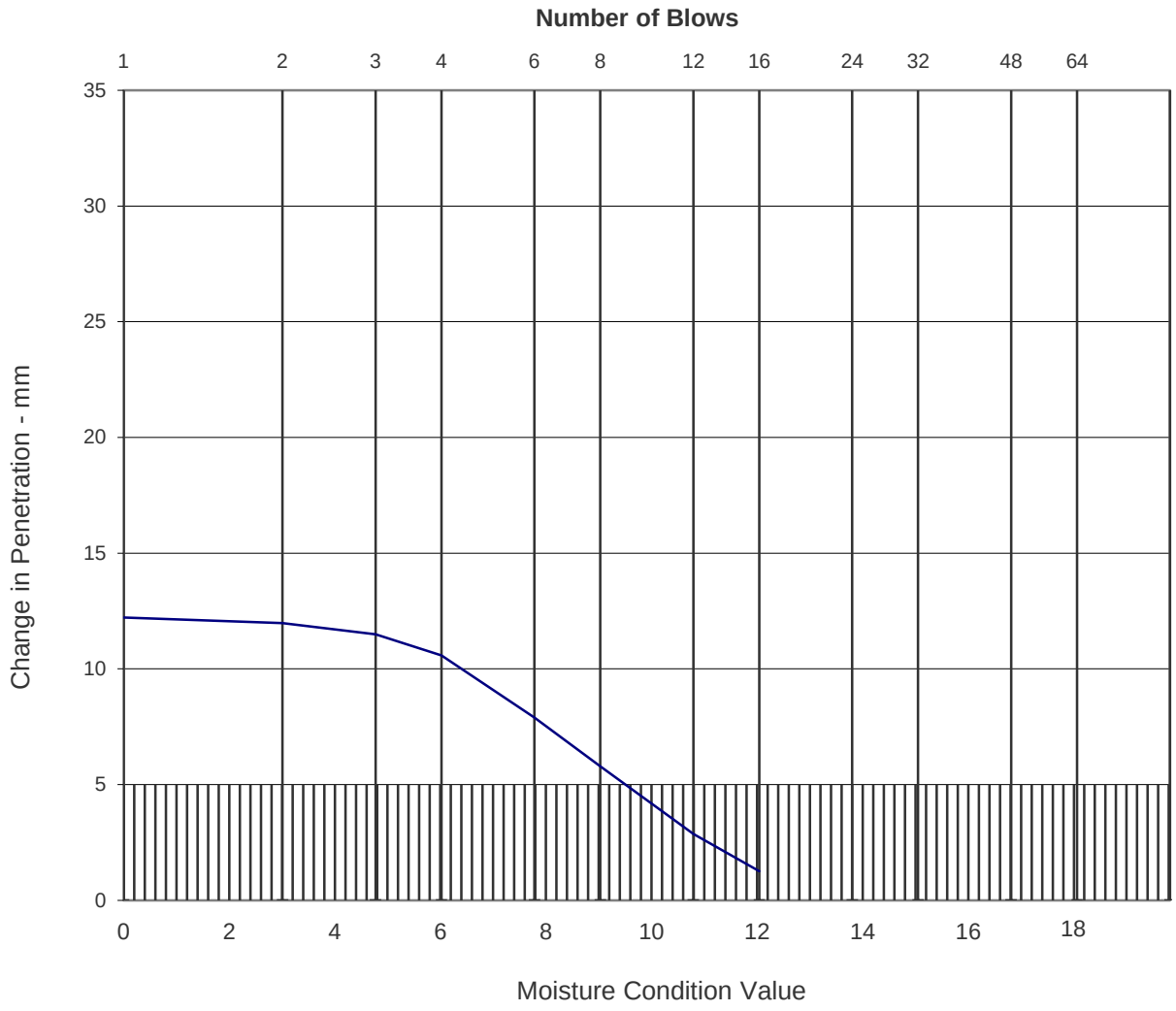
**MAYFIELD**
**4153**

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**

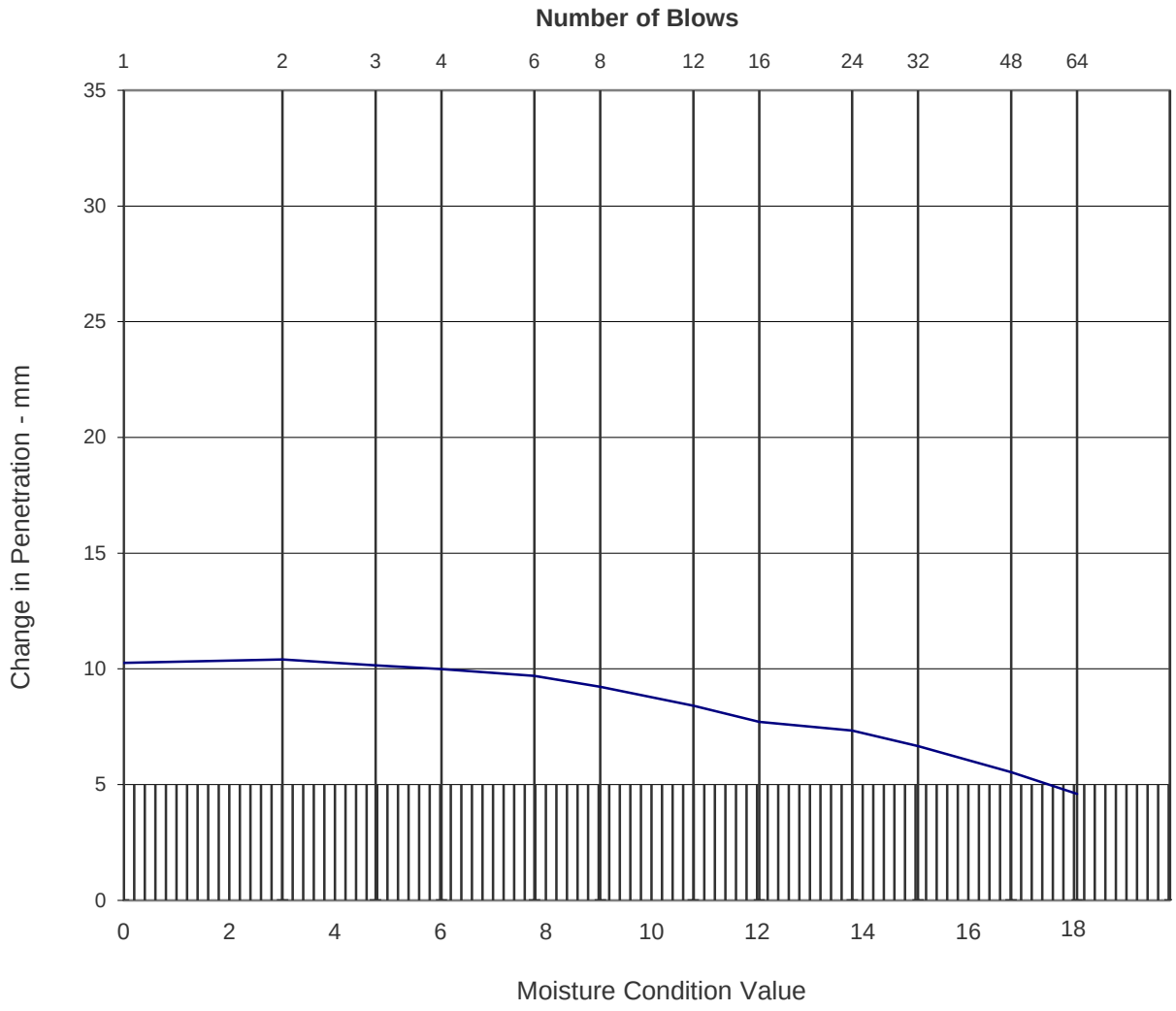
GEOLABS

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**

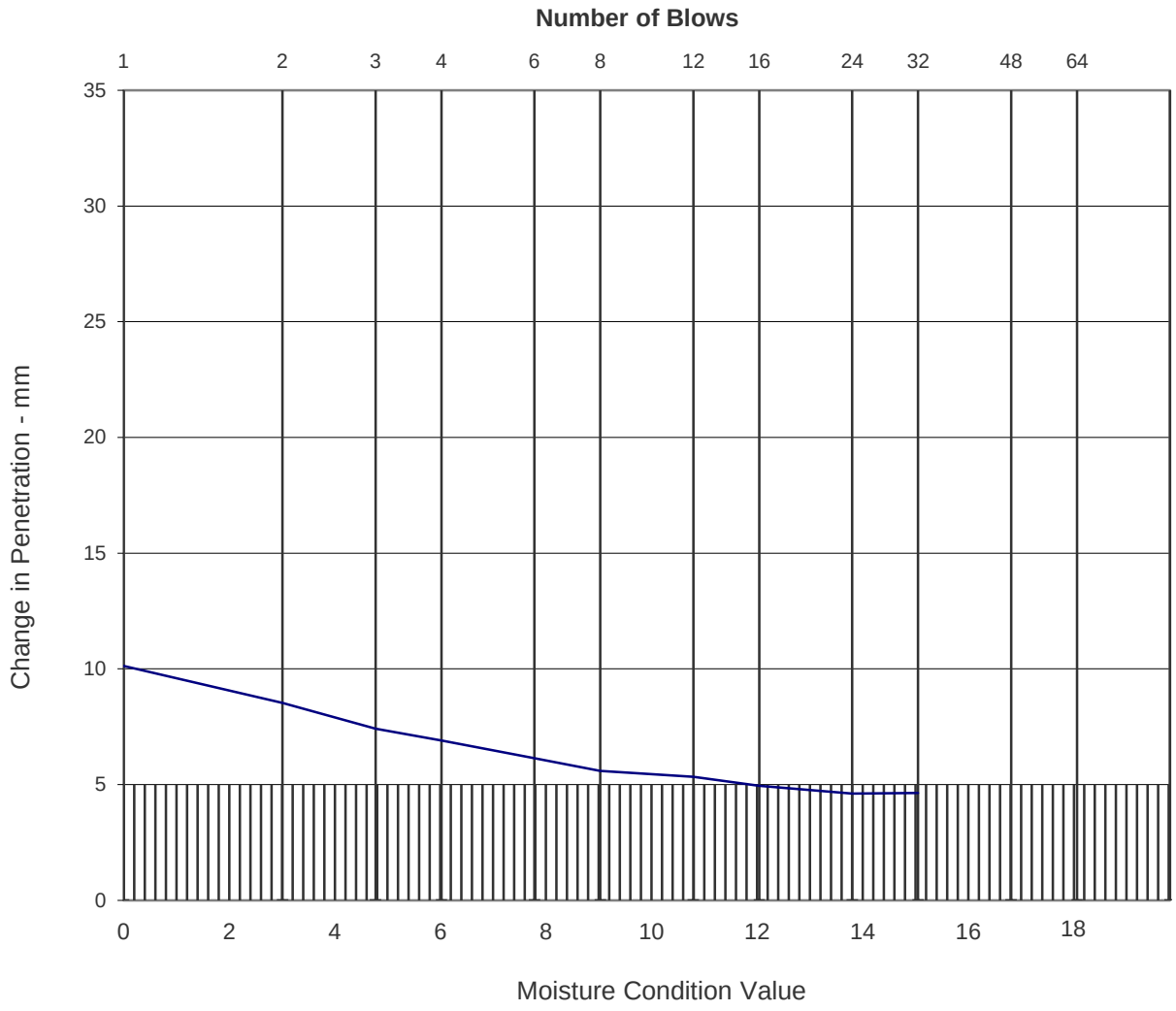
GEOLABS

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**

GEOLABS

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.










| | | | | | |
|---|---|---|---|---|---|
| RoC CONSULTING | JOB NO | 4153 | SKETCH NO | SOAK101 | DRAWN BY AS 19 11 2020 |
| | PROJECT TITLE | Mayfield Park, Manchester | SKETCH TITLE | Proposed Soakway Test Locations | |

COMPLEX CHALLENGES ... MADE SIMPLE

**Mayfield Park Soakaway Test Results**

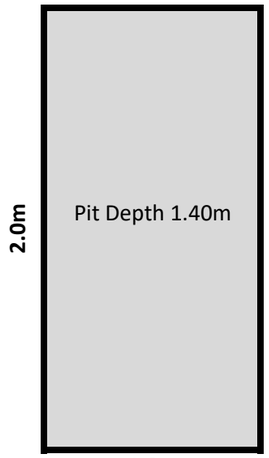

Collated by : RMG
Reviewed by : AS
04/12/2020

**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



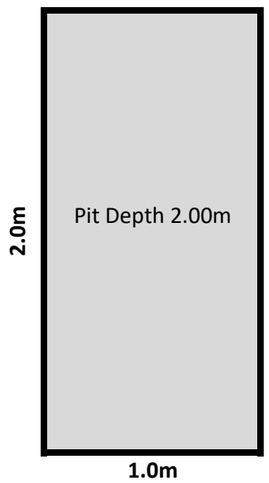
Soil sample obtained for leachate analysis in pit at depth of 1.25m

**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**

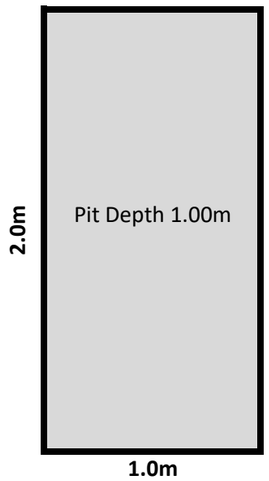

Collated by : RMG
Reviewed by : AS
04/12/2020

**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<br>**Civil, Structural & Environmental Engineers**<br>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<br>**Civil, Structural & Environmental Engineers**<br>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<br>**Civil, Structural & Environmental Engineers**<br>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<br>**Civil, Structural & Environmental Engineers**<br>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**<br>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**<br>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**<br>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* |

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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

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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

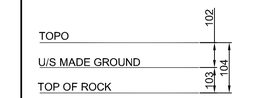
## LEGEND

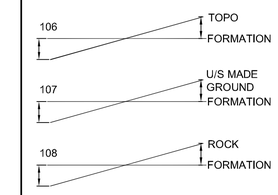
SURFACE LEVEL DATA

| NUMBER | MINIMUM LEVEL | MAXIMUM LEVEL | COLOUR |
|---|---|---|---|
| 1 | -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.

PHASE B

PHASE C

PHASE D

PHASE A

REFER TO 4153-ROC-XX-XX-DR-C-001 SERIES FOR WORKS/LEVELS TO PHASE A (PLOTS M,N AND O)

PLOT O THE POULTON

PLOT N - MSCP

PLOT M REPUBLIC

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

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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 | -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

× 33.429m ROCK LEVELS

THIS DRAWING REPLACES SK104

| REV | DATE | DETAILS | DRN | CHK |
|---|---|---|---|---|
| C1 | 23.12.20 | Issued For Construction | DJ | PW |

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FOR CONSTRUCTION

RIBA STAGE

RoC CONSULTING
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6 Commercial Street
Manchester M15 4PZ
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W rocconsulting.com

| | | |
|---|---|---|
| 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 |

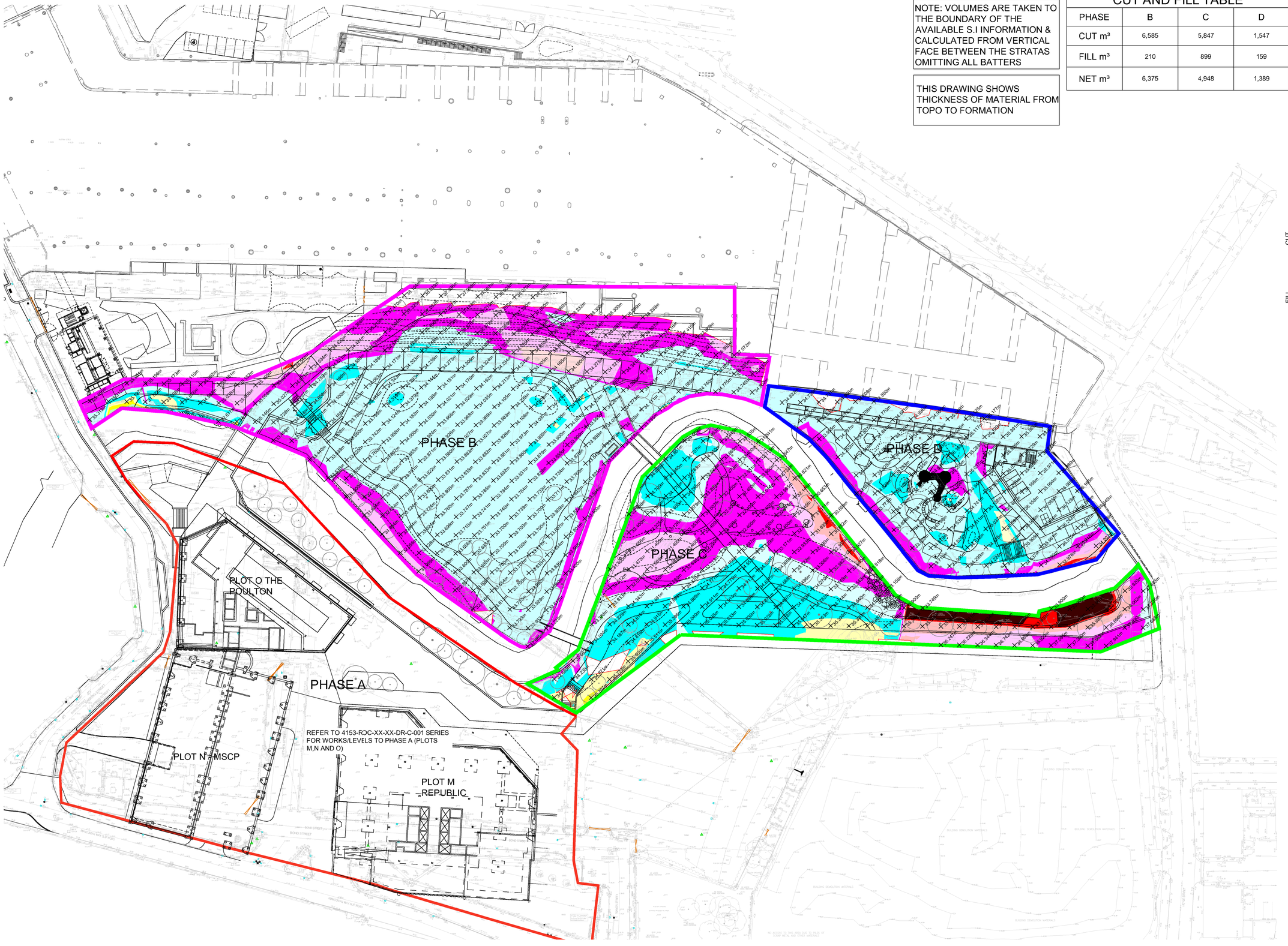
© RoCp Ltd.

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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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

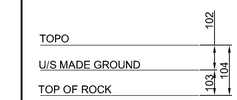
## LEGEND

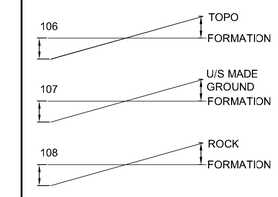
SURFACE LEVEL DATA

| 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 |

DRAWING STATUS
FOR CONSTRUCTION

RIBA STAGE

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

| DRAWN | DATE | SCALES |
|---|---|---|
| DJ | 23.12.20 | 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 FORMATION LEVELS VOLUMETRIC PLAN

| PROJECT ORIGIN ZONE LVL TYPE ROLE No. | REV |
|---|---|
| 4153-ROC-XX-XX-DR-C-106 | C1 |

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# APPENDIX G – TECHNICAL NOTE TN1.1: RESIDUAL TANNERY CONTAMINATION

# 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 ...
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**1.2** TERMS OF REFERENCE ..... 1
**1.3** OBJECTIVES ..... 1

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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.

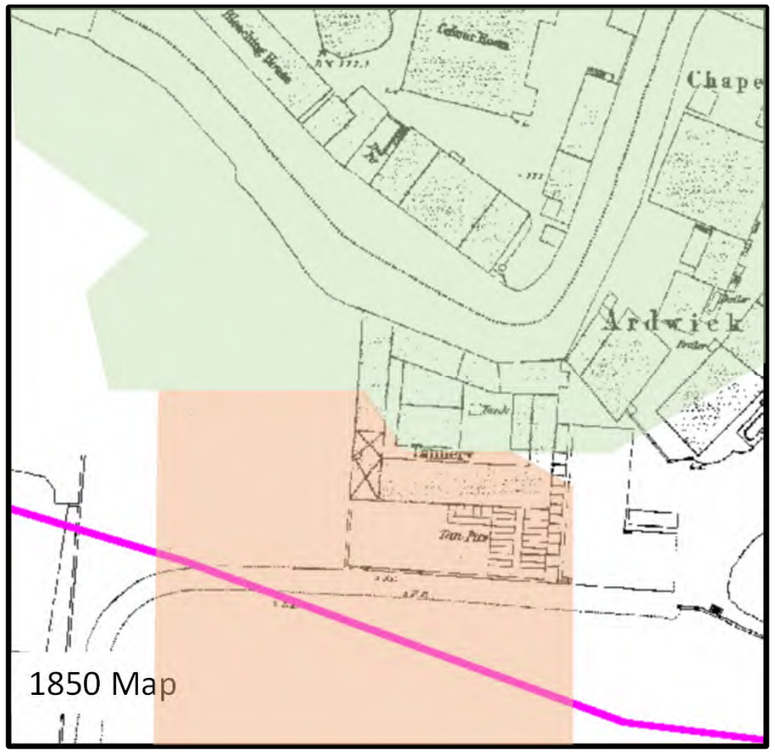
5) The redevelopment of the site to facilitate proposed park construction will see limited change in site levels and associated excavation works. Remedial works are proposed to the River Walls and Medlock culvert which will require excavation works, however across the wider site there is limited potential 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.

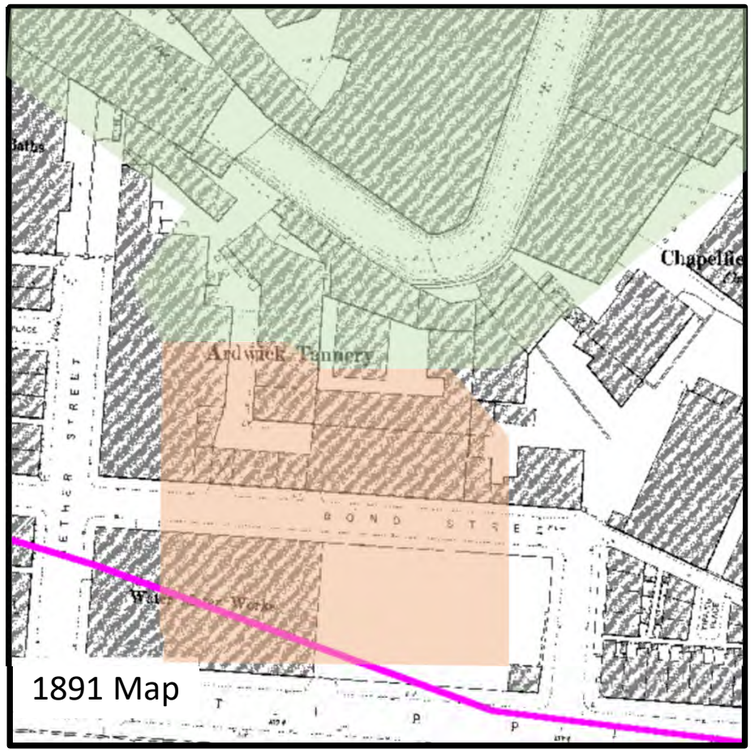
3.0.4 However, in recognition of the potential risks posed we would recommend contractors adopt a watching brief and put in place specific emergency control measures in the event tannery related contamination is observed during excavation works in this area (further details of which are provided within 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.

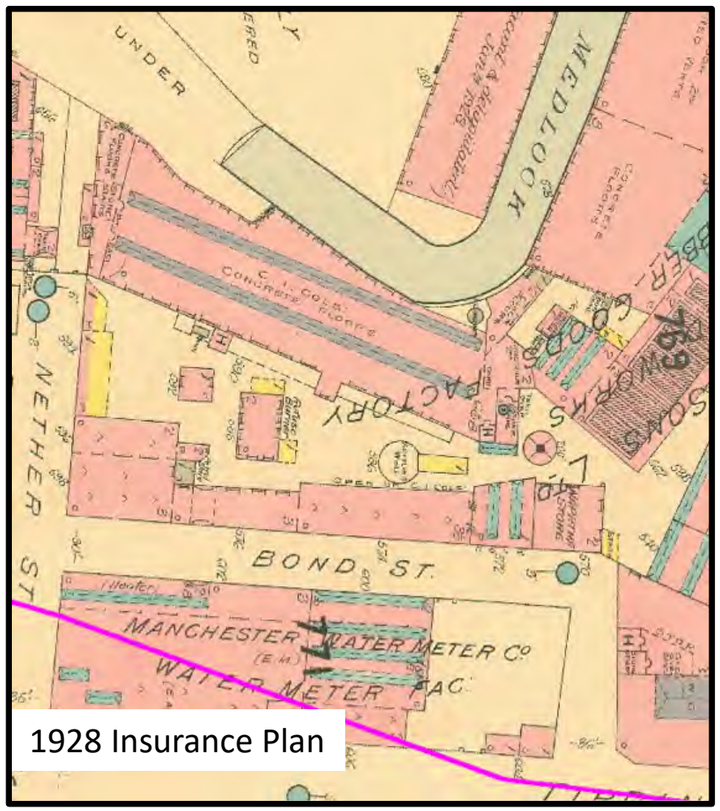
# Appendix A - Site Photos & Drawings



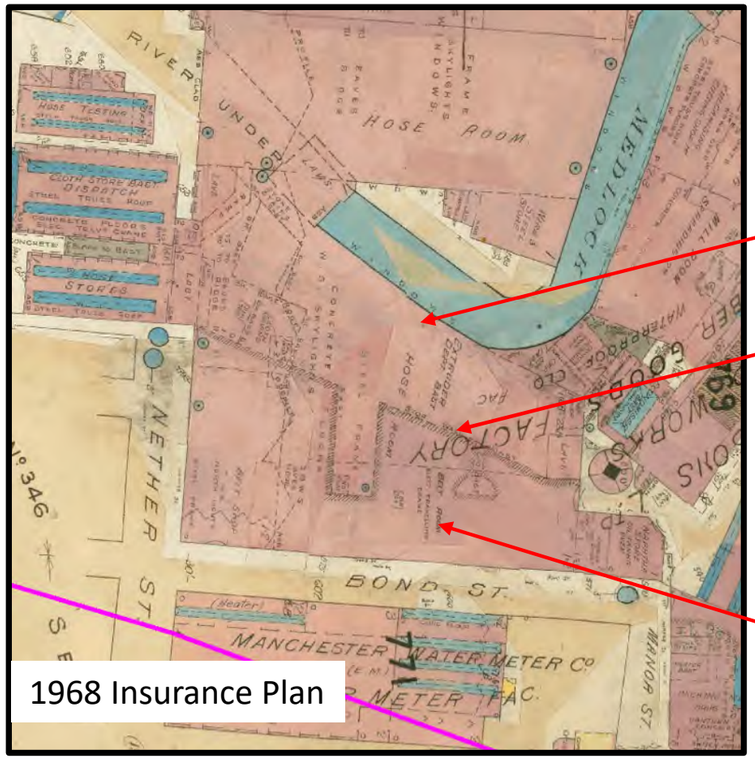

1850 Map




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

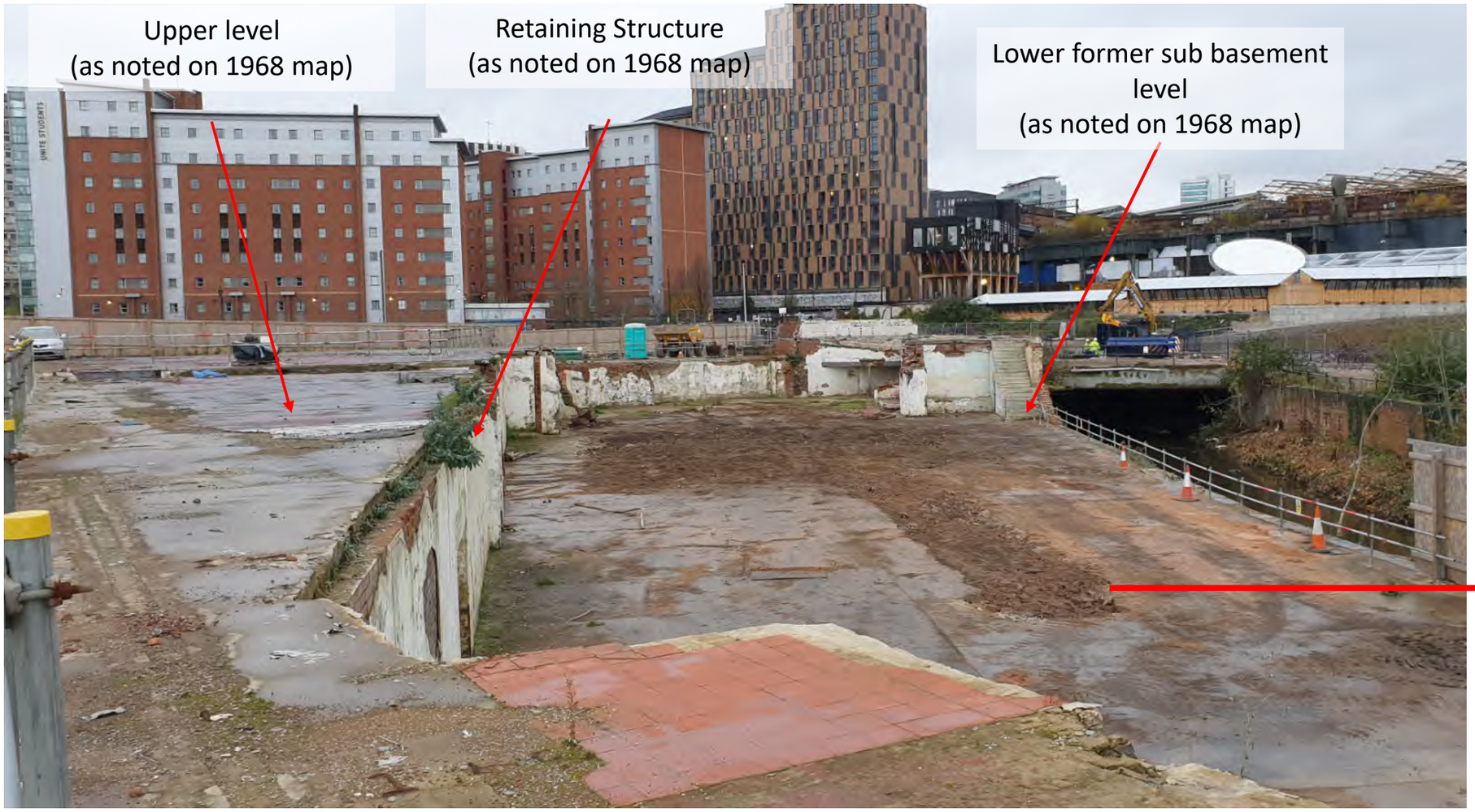
Approx. maximum extent of Tannery operations

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 | |

COMPLEX CHALLENGES ... MADE SIMPLE

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## NOTES

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DRAWING STATUS
INFORMATION

RIBA STAGE

| DRAWN | DATE | SCALES |
|---|---|---|
| AS | FEB 2021 | NTS |
| CHECKED | DATE | THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE-- |
| APPRVD. | DATE | EMAIL FOR DRAWINGS info@rocconsulting.com |

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

COMPLEX CHALLENGES ...
MADE SIMPLE

# 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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