

## Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR  
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**Client:** ROCP LIMITED, Commercial Wharf 6 Commercial Street, Castlefield,  
Manchester, M15 4PZ

**Project:** Plots N702-04

**Clients Project No:** 4328

**Project No:** 23/10955

**Date Received:** 06/11/2023 (pm)

**Cool Box Temperatures (°C):** 9.8

|                               |                  |
|-------------------------------|------------------|
| <b>Lab Sample ID</b>          | 23/10955/1       |
| <b>Client Sample No</b>       |                  |
| <b>Client Sample ID/Depth</b> | RBH403<br>15.50m |
| <b>Date Sampled</b>           | 06/11/23         |
| <b>Deviation Code</b>         |                  |
| A7 (no HNO3)                  | ✓                |

*Key*  
A7 (no HNO3) No HNO3 preserved bottle provided (dissolved metals 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.*

## Envirolab Analysis Dates

|                               |                  |
|-------------------------------|------------------|
| <b>Lab Sample ID</b>          | 23/10955/1       |
| <b>Client Sample No</b>       |                  |
| <b>Client Sample ID/Depth</b> | RBH403<br>15.50m |
| <b>Date Sampled</b>           | 06/11/23         |
| A-T-006w                      | 14/11/2023       |
| A-T-019w                      | 10/11/2023       |
| A-T-022w                      | 10/11/2023       |
| A-T-025w                      | 16/11/2023       |
| A-T-026w                      | 17/11/2023       |
| A-T-031w                      | 08/11/2023       |
| A-T-032w                      | 09/11/2023       |
| A-T-034w                      | 15/11/2023       |
| A-T-048                       | 13/11/2023       |
| A-T-049w                      | 13/11/2023       |
| A-T-050w                      | 17/11/2023       |
| A-T-052w                      | 13/11/2023       |
| A-T-055w                      | 10/11/2023       |
| Calc-As Recd                  | 10/11/2023       |

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

**End of Report**

## FINAL ANALYTICAL TEST REPORT

**Envirolab Job Number:** 23/11040  
**Issue Number:** 1

**Date:** 21 November, 2023

**Client:** ROCP LIMITED  
Commercial Wharf 6 Commercial Street  
Castlefield  
Manchester  
M15 4PZ

**Project Manager:** Reece McGuinness  
**Project Name:** Plots NT02-04  
**Project Ref:** 4328  
**Order No:** 1920  
**Date Samples Received:** 07/11/23  
**Date Instructions Received:** 08/11/23  
**Date Analysis Completed:** 21/11/23

**Approved by:**



Sophie France  
Client Manager

Envirolab Job Number: 23/11040

Client Project Name: Plots NT02-04

Client Project Ref: 4328

| Lab Sample ID                                           | 23/11040/1 | 23/11040/4 |  |  |  |  |  | Units | Limit of Detection | Method ref  |
|---------------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|-------------|
| Client Sample No                                        |            |            |  |  |  |  |  |       |                    |             |
| Client Sample ID                                        | RBH502     | RBH502     |  |  |  |  |  |       |                    |             |
| Depth to Top                                            | 1          | 4.5        |  |  |  |  |  |       |                    |             |
| Depth To Bottom                                         |            |            |  |  |  |  |  |       |                    |             |
| Date Sampled                                            | 03-Nov-23  | 07-Nov-23  |  |  |  |  |  |       |                    |             |
| Sample Type                                             | SOIL - ES  | SOIL - ES  |  |  |  |  |  |       |                    |             |
| Sample Matrix Code                                      | 4AB        | 4A         |  |  |  |  |  |       |                    |             |
| % Stones >10mm <sub>A</sub>                             | 14.4       | 8.0        |  |  |  |  |  | % w/w | 0.1                | A-T-044     |
| pH <sub>D</sub> <sup>M#</sup>                           | 10.59      | 7.24       |  |  |  |  |  | pH    | 0.01               | A-T-031s    |
| Sulphate BRE (water sol 2:1) <sub>D</sub> <sup>M#</sup> | 115        | 34         |  |  |  |  |  | mg/l  | 10                 | A-T-026s    |
| Cyanide (total) <sub>A</sub> <sup>M#</sup>              | <1         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-042sTCN |
| Phenols - Total by HPLC <sub>A</sub>                    | <0.2       | <0.2       |  |  |  |  |  | mg/kg | 0.2                | A-T-050s    |
| Fraction of organic carbon <sub>D</sub> <sup>#</sup>    | 0.0180     | 0.0038     |  |  |  |  |  | N/A   | 0.0003             | A-T-032s    |
| Antimony <sub>D</sub>                                   | 26         | <5         |  |  |  |  |  | mg/kg | 5                  | A-T-024s    |
| Arsenic <sub>D</sub> <sup>M#</sup>                      | 13         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Barium <sub>D</sub>                                     | 98         | 24         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Beryllium <sub>D</sub>                                  | 0.7        | <0.5       |  |  |  |  |  | mg/kg | 0.5                | A-T-024s    |
| Boron (water soluble) <sub>D</sub> <sup>M#</sup>        | <1.0       | <1.0       |  |  |  |  |  | mg/kg | 1                  | A-T-027s    |
| Cadmium <sub>D</sub> <sup>M#</sup>                      | 0.6        | <0.5       |  |  |  |  |  | mg/kg | 0.5                | A-T-024s    |
| Copper <sub>D</sub> <sup>M#</sup>                       | 71         | 5          |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium <sub>D</sub> <sup>M#</sup>                     | 20         | 7          |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium (hexavalent) <sub>D</sub>                      | <1         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-040s    |
| Chromium (trivalent)                                    | 20         | 7          |  |  |  |  |  | mg/kg | 1                  | Calc        |
| Lead <sub>D</sub> <sup>M#</sup>                         | 3610       | 6          |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Mercury <sub>D</sub>                                    | <0.17      | <0.17      |  |  |  |  |  | mg/kg | 0.17               | A-T-024s    |
| Molybdenum <sub>D</sub> <sup>M#</sup>                   | 2          | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Nickel <sub>D</sub> <sup>M#</sup>                       | 25         | 7          |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Selenium <sub>D</sub> <sup>M#</sup>                     | <1         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Vanadium <sub>D</sub> <sup>M#</sup>                     | 21         | 10         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Zinc <sub>D</sub> <sup>M#</sup>                         | 158        | 16         |  |  |  |  |  | mg/kg | 5                  | A-T-024s    |

Envirolab Job Number: 23/11040

Client Project Name: Plots NT02-04

Client Project Ref: 4328

|                                                                 |            |            |  |  |  |  |  |       |                    |            |
|-----------------------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|------------|
| Lab Sample ID                                                   | 23/11040/1 | 23/11040/4 |  |  |  |  |  | Units | Limit of Detection | Method ref |
| Client Sample No                                                |            |            |  |  |  |  |  |       |                    |            |
| Client Sample ID                                                | RBH502     | RBH502     |  |  |  |  |  |       |                    |            |
| Depth to Top                                                    | 1          | 4.5        |  |  |  |  |  |       |                    |            |
| Depth To Bottom                                                 |            |            |  |  |  |  |  |       |                    |            |
| Date Sampled                                                    | 03-Nov-23  | 07-Nov-23  |  |  |  |  |  |       |                    |            |
| Sample Type                                                     | SOIL - ES  | SOIL - ES  |  |  |  |  |  |       |                    |            |
| Sample Matrix Code                                              | 4AB        | 4A         |  |  |  |  |  |       |                    |            |
| Asbestos in Soil (inc. matrix)                                  |            |            |  |  |  |  |  |       |                    |            |
| Asbestos in soil <sub>D</sub> <sup>#</sup>                      | NAD        | -          |  |  |  |  |  |       |                    | A-T-045    |
| Asbestos Matrix (visual) <sub>D</sub>                           | -          | -          |  |  |  |  |  |       |                    | A-T-045    |
| Asbestos Matrix (microscope) <sub>D</sub>                       | -          | -          |  |  |  |  |  |       |                    | A-T-045    |
| Asbestos ACM - Suitable for Water Absorption Test? <sub>D</sub> | N/A        | -          |  |  |  |  |  |       |                    | A-T-045    |

Envirolab Job Number: 23/11040

Client Project Name: Plots NT02-04

Client Project Ref: 4328

| Lab Sample ID                                   | 23/11040/1        | 23/11040/4 |  |  |  |  |  | Units | Limit of Detection | Method ref |
|-------------------------------------------------|-------------------|------------|--|--|--|--|--|-------|--------------------|------------|
| Client Sample No                                |                   |            |  |  |  |  |  |       |                    |            |
| Client Sample ID                                | RBH502            | RBH502     |  |  |  |  |  |       |                    |            |
| Depth to Top                                    | 1                 | 4.5        |  |  |  |  |  |       |                    |            |
| Depth To Bottom                                 |                   |            |  |  |  |  |  |       |                    |            |
| Date Sampled                                    | 03-Nov-23         | 07-Nov-23  |  |  |  |  |  |       |                    |            |
| Sample Type                                     | SOIL - ES         | SOIL - ES  |  |  |  |  |  |       |                    |            |
| Sample Matrix Code                              | 4AB               | 4A         |  |  |  |  |  |       |                    |            |
| PAH-16MS                                        |                   |            |  |  |  |  |  |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>M#</sup>         | 1.02              | 0.05       |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Acenaphthylene <sub>A</sub> <sup>M#</sup>       | 0.05              | 0.17       |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Anthracene <sub>A</sub> <sup>M#</sup>           | 1.27              | 0.56       |  |  |  |  |  | mg/kg | 0.02               | A-T-019s   |
| Benzo(a)anthracene <sub>A</sub> <sup>M#</sup>   | 2.51 <sup>U</sup> | 0.09       |  |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(a)pyrene <sub>A</sub> <sup>M#</sup>       | 1.86              | 0.46       |  |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>M#</sup> | 2.31              | 0.32       |  |  |  |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(ghi)perylene <sub>A</sub> <sup>M#</sup>   | 0.94              | 0.46       |  |  |  |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>M#</sup> | 0.81              | 0.07       |  |  |  |  |  | mg/kg | 0.07               | A-T-019s   |
| Chrysene <sub>A</sub> <sup>M#</sup>             | 2.51              | 0.14       |  |  |  |  |  | mg/kg | 0.06               | A-T-019s   |
| Dibenzo(ah)anthracene <sub>A</sub>              | 0.20              | 0.07       |  |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Fluoranthene <sub>A</sub> <sup>M#</sup>         | 5.83              | 0.21       |  |  |  |  |  | mg/kg | 0.08               | A-T-019s   |
| Fluorene <sub>A</sub> <sup>M#</sup>             | 0.70              | 0.08       |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>M#</sup> | 1.06              | 0.54       |  |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Naphthalene <sub>A</sub> <sup>M#</sup>          | 1.10              | 0.13       |  |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Phenanthrene <sub>A</sub> <sup>M#</sup>         | 5.43              | 0.26       |  |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Pyrene <sub>A</sub> <sup>M#</sup>               | 4.94              | 0.17       |  |  |  |  |  | mg/kg | 0.07               | A-T-019s   |
| Total PAH-16MS <sub>A</sub>                     | 32.5              | 3.78       |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |

Envirolab Job Number: 23/11040

Client Project Name: Plots NT02-04

Client Project Ref: 4328

| Lab Sample ID                            | 23/11040/1 | 23/11040/4 |  |  |  |  |  |       |     |          |
|------------------------------------------|------------|------------|--|--|--|--|--|-------|-----|----------|
| Client Sample No                         |            |            |  |  |  |  |  |       |     |          |
| Client Sample ID                         | RBH502     | RBH502     |  |  |  |  |  |       |     |          |
| Depth to Top                             | 1          | 4.5        |  |  |  |  |  |       |     |          |
| Depth To Bottom                          |            |            |  |  |  |  |  |       |     |          |
| Date Sampled                             | 03-Nov-23  | 07-Nov-23  |  |  |  |  |  |       |     |          |
| Sample Type                              | SOIL - ES  | SOIL - ES  |  |  |  |  |  |       |     |          |
| Sample Matrix Code                       | 4AB        | 4A         |  |  |  |  |  |       |     |          |
| SVOC excluding PAH-16                    |            |            |  |  |  |  |  |       |     |          |
| 4-Bromophenyl phenyl ether <sub>A</sub>  | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Hexachlorobenzene <sub>A</sub>           | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Diethyl phthalate <sub>A</sub>           | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Dimethyl phthalate <sub>A</sub>          | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Dibenzofuran <sub>A</sub>                | 868        | 333        |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Carbazole <sub>A</sub>                   | 614        | 280        |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Butylbenzyl phthalate <sub>A</sub>       | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Bis(2-ethylhexyl)phthalate <sub>A</sub>  | <500       | <500       |  |  |  |  |  | µg/kg | 500 | A-T-052s |
| Bis(2-chloroethoxy)methane <sub>A</sub>  | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Bis(2-chloroethyl)ether <sub>A</sub>     | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 4-Nitrophenol <sub>A</sub>               | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 3+4-Methylphenol <sub>A</sub>            | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 4-Chloro-3-methylphenol <sub>A</sub>     | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2-Nitrophenol <sub>A</sub>               | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2-Methylphenol <sub>A</sub>              | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 1,2,4-Trichlorobenzene <sub>A</sub>      | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2-Chlorophenol <sub>A</sub>              | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2,6-Dinitrotoluene <sub>A</sub>          | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2,4-Dinitrotoluene <sub>A</sub>          | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2,4-Dimethylphenol <sub>A</sub>          | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2,4-Dichlorophenol <sub>A</sub>          | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2,4,6-Trichlorophenol <sub>A</sub>       | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2,4,5-Trichlorophenol <sub>A</sub>       | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 1,4-Dichlorobenzene <sub>A</sub>         | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 1,3-Dichlorobenzene <sub>A</sub>         | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 1,2-Dichlorobenzene <sub>A</sub>         | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2-Chloronaphthalene <sub>A</sub>         | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| 2-Methylnaphthalene <sub>A</sub>         | 868        | 318        |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Bis(2-chloroisopropyl)ether <sub>A</sub> | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Phenol <sub>A</sub>                      | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| Pentachlorophenol <sub>A</sub>           | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |
| n-Nitroso-n-dipropylamine <sub>A</sub>   | <100       | <100       |  |  |  |  |  | µg/kg | 100 | A-T-052s |

Envirolab Job Number: 23/11040

Client Project Name: Plots NT02-04

Client Project Ref: 4328

| Lab Sample ID                    | 23/11040/1 | 23/11040/4 |  |  |  |  |  | Units | Limit of Detection | Method ref |
|----------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|------------|
| Client Sample No                 |            |            |  |  |  |  |  |       |                    |            |
| Client Sample ID                 | RBH502     | RBH502     |  |  |  |  |  |       |                    |            |
| Depth to Top                     | 1          | 4.5        |  |  |  |  |  |       |                    |            |
| Depth To Bottom                  |            |            |  |  |  |  |  |       |                    |            |
| Date Sampled                     | 03-Nov-23  | 07-Nov-23  |  |  |  |  |  |       |                    |            |
| Sample Type                      | SOIL - ES  | SOIL - ES  |  |  |  |  |  |       |                    |            |
| Sample Matrix Code               | 4AB        | 4A         |  |  |  |  |  |       |                    |            |
| n-Dioctylphthalate <sub>A</sub>  | <500       | <500       |  |  |  |  |  | µg/kg | 500                | A-T-052s   |
| n-Dibutylphthalate <sub>A</sub>  | <100       | <100       |  |  |  |  |  | µg/kg | 100                | A-T-052s   |
| Nitrobenzene <sub>A</sub>        | <100       | <100       |  |  |  |  |  | µg/kg | 100                | A-T-052s   |
| Isophorone <sub>A</sub>          | <100       | <100       |  |  |  |  |  | µg/kg | 100                | A-T-052s   |
| Hexachloroethane <sub>A</sub>    | <100       | <100       |  |  |  |  |  | µg/kg | 100                | A-T-052s   |
| Hexachlorobutadiene <sub>A</sub> | <100       | <100       |  |  |  |  |  | µg/kg | 100                | A-T-052s   |
| Perylene <sub>A</sub>            | 698        | 575        |  |  |  |  |  | µg/kg | 100                | A-T-052s   |

Envirolab Job Number: 23/11040

Client Project Name: Plots NT02-04

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| Lab Sample ID                                           | 23/11040/1 | 23/11040/4      |  |  |  |  |  |       |    |          |
|---------------------------------------------------------|------------|-----------------|--|--|--|--|--|-------|----|----------|
| Client Sample No                                        |            |                 |  |  |  |  |  |       |    |          |
| Client Sample ID                                        | RBH502     | RBH502          |  |  |  |  |  |       |    |          |
| Depth to Top                                            | 1          | 4.5             |  |  |  |  |  |       |    |          |
| Depth To Bottom                                         |            |                 |  |  |  |  |  |       |    |          |
| Date Sampled                                            | 03-Nov-23  | 07-Nov-23       |  |  |  |  |  |       |    |          |
| Sample Type                                             | SOIL - ES  | SOIL - ES       |  |  |  |  |  |       |    |          |
| Sample Matrix Code                                      | 4AB        | 4A              |  |  |  |  |  |       |    |          |
| VOC                                                     |            |                 |  |  |  |  |  |       |    |          |
| Dichlorodifluoromethane <sub>A</sub>                    | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Chloromethane <sub>A</sub>                              | <10        | <10             |  |  |  |  |  | µg/kg | 10 | A-T-006s |
| Vinyl Chloride (Chloroethene) <sub>A</sub> <sup>#</sup> | <1         | <1 <sup>U</sup> |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Bromomethane <sub>A</sub> <sup>#</sup>                  | <1         | <1 <sup>U</sup> |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Chloroethane <sub>A</sub> <sup>#</sup>                  | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Trichlorofluoromethane <sub>A</sub> <sup>#</sup>        | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| 1,1-Dichloroethene <sub>A</sub> <sup>#</sup>            | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Carbon Disulphide <sub>A</sub> <sup>#</sup>             | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Dichloromethane <sub>A</sub>                            | <5         | <5              |  |  |  |  |  | µg/kg | 5  | A-T-006s |
| trans 1,2-Dichloroethene <sub>A</sub> <sup>#</sup>      | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| 1,1-Dichloroethane <sub>A</sub> <sup>#</sup>            | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| cis 1,2-Dichloroethene <sub>A</sub> <sup>#</sup>        | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| 2,2-Dichloropropane <sub>A</sub> <sup>#</sup>           | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Bromochloromethane <sub>A</sub> <sup>#</sup>            | <5         | <5              |  |  |  |  |  | µg/kg | 5  | A-T-006s |
| Chloroform <sub>A</sub> <sup>#</sup>                    | <1         | 5               |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| 1,1,1-Trichloroethane <sub>A</sub> <sup>#</sup>         | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| 1,1-Dichloropropene <sub>A</sub> <sup>#</sup>           | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Carbon Tetrachloride <sub>A</sub> <sup>#</sup>          | 2          | 28              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| 1,2-Dichloroethane <sub>A</sub> <sup>#</sup>            | <2         | <2              |  |  |  |  |  | µg/kg | 2  | A-T-006s |
| Benzene <sub>A</sub> <sup>#</sup>                       | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Trichloroethene <sub>A</sub> <sup>#</sup>               | 18         | 11              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| 1,2-Dichloropropane <sub>A</sub> <sup>#</sup>           | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Dibromomethane <sub>A</sub> <sup>#</sup>                | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Bromodichloromethane <sub>A</sub> <sup>#</sup>          | <10        | <10             |  |  |  |  |  | µg/kg | 10 | A-T-006s |
| cis 1,3-Dichloropropene <sub>A</sub> <sup>#</sup>       | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Toluene <sub>A</sub> <sup>#</sup>                       | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| trans 1,3-Dichloropropene <sub>A</sub> <sup>#</sup>     | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| 1,1,2-Trichloroethane <sub>A</sub> <sup>#</sup>         | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| 1,3-Dichloropropane <sub>A</sub> <sup>#</sup>           | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Tetrachloroethene <sub>A</sub> <sup>#</sup>             | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |
| Dibromochloromethane <sub>A</sub> <sup>#</sup>          | <3         | <3              |  |  |  |  |  | µg/kg | 3  | A-T-006s |
| 1,2-Dibromoethane <sub>A</sub> <sup>#</sup>             | <1         | <1              |  |  |  |  |  | µg/kg | 1  | A-T-006s |

Envirolab Job Number: 23/11040

Client Project Name: Plots NT02-04

Client Project Ref: 4328

| Lab Sample ID                                    | 23/11040/1 | 23/11040/4 |  |  |  |  |  | Units | Limit of Detection | Method ref |
|--------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|------------|
| Client Sample No                                 |            |            |  |  |  |  |  |       |                    |            |
| Client Sample ID                                 | RBH502     | RBH502     |  |  |  |  |  |       |                    |            |
| Depth to Top                                     | 1          | 4.5        |  |  |  |  |  |       |                    |            |
| Depth To Bottom                                  |            |            |  |  |  |  |  |       |                    |            |
| Date Sampled                                     | 03-Nov-23  | 07-Nov-23  |  |  |  |  |  |       |                    |            |
| Sample Type                                      | SOIL - ES  | SOIL - ES  |  |  |  |  |  |       |                    |            |
| Sample Matrix Code                               | 4AB        | 4A         |  |  |  |  |  |       |                    |            |
| Chlorobenzene <sub>A</sub> <sup>#</sup>          | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 1,1,1,2-Tetrachloroethane <sub>A</sub>           | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| Ethylbenzene <sub>A</sub> <sup>#</sup>           | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| m & p Xylene <sub>A</sub> <sup>#</sup>           | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| o-Xylene <sub>A</sub> <sup>#</sup>               | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| Styrene <sub>A</sub> <sup>#</sup>                | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| Bromoform <sub>A</sub> <sup>#</sup>              | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| Isopropylbenzene <sub>A</sub> <sup>#</sup>       | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 1,1,1,2,2-Tetrachloroethane <sub>A</sub>         | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 1,2,3-Trichloropropane <sub>A</sub> <sup>#</sup> | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| Bromobenzene <sub>A</sub> <sup>#</sup>           | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| n-Propylbenzene <sub>A</sub> <sup>#</sup>        | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 2-Chlorotoluene <sub>A</sub> <sup>#</sup>        | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 1,3,5-Trimethylbenzene <sub>A</sub> <sup>#</sup> | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 4-Chlorotoluene <sub>A</sub> <sup>#</sup>        | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| tert-Butylbenzene <sub>A</sub> <sup>#</sup>      | <2         | <2         |  |  |  |  |  | µg/kg | 2                  | A-T-006s   |
| 1,2,4-Trimethylbenzene <sub>A</sub> <sup>#</sup> | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| sec-Butylbenzene <sub>A</sub> <sup>#</sup>       | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 4-Isopropyltoluene <sub>A</sub> <sup>#</sup>     | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 1,3-Dichlorobenzene <sub>A</sub>                 | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 1,4-Dichlorobenzene <sub>A</sub> <sup>#</sup>    | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| n-Butylbenzene <sub>A</sub> <sup>#</sup>         | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 1,2-Dichlorobenzene <sub>A</sub> <sup>#</sup>    | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 1,2-Dibromo-3-chloropropane (DCBP) <sub>A</sub>  | <2         | <2         |  |  |  |  |  | µg/kg | 2                  | A-T-006s   |
| 1,2,4-Trichlorobenzene <sub>A</sub>              | <3         | <3         |  |  |  |  |  | µg/kg | 3                  | A-T-006s   |
| Hexachlorobutadiene <sub>A</sub> <sup>#</sup>    | <1         | <1         |  |  |  |  |  | µg/kg | 1                  | A-T-006s   |
| 1,2,3-Trichlorobenzene <sub>A</sub>              | <3         | <3         |  |  |  |  |  | µg/kg | 3                  | A-T-006s   |

Envirolab Job Number: 23/11040

Client Project Name: Plots NT02-04

Client Project Ref: 4328

| Lab Sample ID                                  | 23/11040/1 | 23/11040/4 |  |  |  |  |  | Units | Limit of Detection | Method ref   |
|------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|--------------|
| Client Sample No                               |            |            |  |  |  |  |  |       |                    |              |
| Client Sample ID                               | RBH502     | RBH502     |  |  |  |  |  |       |                    |              |
| Depth to Top                                   | 1          | 4.5        |  |  |  |  |  |       |                    |              |
| Depth To Bottom                                |            |            |  |  |  |  |  |       |                    |              |
| Date Sampled                                   | 03-Nov-23  | 07-Nov-23  |  |  |  |  |  |       |                    |              |
| Sample Type                                    | SOIL - ES  | SOIL - ES  |  |  |  |  |  |       |                    |              |
| Sample Matrix Code                             | 4AB        | 4A         |  |  |  |  |  |       |                    |              |
| TPH UKCWG with Clean Up                        |            |            |  |  |  |  |  |       |                    |              |
| Ali >C5-C6 <sub>A</sub>                        | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| Ali >C6-C8 <sub>A</sub>                        | 0.06       | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| Ali >C8-C10 <sub>A</sub>                       | 11         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C10-C12 <sub>A</sub> <sup>M#</sup>        | 9          | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C12-C16 <sub>A</sub> <sup>M#</sup>        | 2          | 3          |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C16-C21 <sub>A</sub> <sup>M#</sup>        | 4          | 21         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C21-C35 <sub>A</sub> <sup>M#</sup>        | 21         | 26         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C35-C44 <sub>A</sub>                      | 24         | 7          |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Total Aliphatics <sub>A</sub>                  | 71         | 58         |  |  |  |  |  | mg/kg | 1                  | Calc-As Recd |
| Aro >C5-C7 <sub>A</sub> <sup>#</sup>           | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| Aro >C7-C8 <sub>A</sub> <sup>#</sup>           | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| Aro >C8-C10 <sub>A</sub>                       | 4          | 3          |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C10-C12 <sub>A</sub>                      | 8          | 3          |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C12-C16 <sub>A</sub>                      | 26         | 21         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C16-C21 <sub>A</sub> <sup>M#</sup>        | 83         | 63         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C21-C35 <sub>A</sub> <sup>M#</sup>        | 194        | 168        |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C35-C44 <sub>A</sub>                      | 9          | 11         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Total Aromatics <sub>A</sub>                   | 324        | 269        |  |  |  |  |  | mg/kg | 1                  | Calc-As Recd |
| TPH (Ali & Aro >C5-C44) <sub>A</sub>           | 395        | 327        |  |  |  |  |  | mg/kg | 1                  | Calc-As Recd |
| BTEX - Benzene <sub>A</sub> <sup>#</sup>       | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| BTEX - Toluene <sub>A</sub> <sup>#</sup>       | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| BTEX - Ethyl Benzene <sub>A</sub> <sup>#</sup> | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| BTEX - m & p Xylene <sub>A</sub> <sup>#</sup>  | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| BTEX - o Xylene <sub>A</sub> <sup>#</sup>      | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| MTBE <sub>A</sub> <sup>#</sup>                 | <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 within the same delivery, will be disposed of **six weeks** after the 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 our scope of accreditation.  
 The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client.  
 A deviating sample 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.

### Key

|                           |                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------|
| Superscript "#"           | Accredited to ISO 17025                                                                               |
| Superscript "M"           | Accredited to MCertS                                                                                  |
| Superscript "U"           | Individual result not accredited                                                                      |
| None of the above symbols | Analysis unaccredited                                                                                 |
| Subscript "A"             | Analysis performed on as-received Sample                                                              |
| Subscript "D"             | Analysis performed on the dried sample, crushed to pass 2mm sieve.                                    |
| Subscript "A"             | Analysis has dependant options against results. Details appear in the comments of your Sample receipt |
| IS                        | Insufficient Sample for analysis                                                                      |
| US                        | Unsuitable Sample for analysis                                                                        |
| NDP                       | No Determination Possible                                                                             |
| NAD                       | No Asbestos Detected                                                                                  |
| N/A                       | Not applicable                                                                                        |

### 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.

### Assigned Matrix Codes

|   |           |   |                                             |   |                               |
|---|-----------|---|---------------------------------------------|---|-------------------------------|
| 1 | SAND      | 6 | CLAY/LOAM                                   | A | Contains Stones               |
| 2 | LOAM      | 7 | OTHER                                       | B | Contains Construction Rubble  |
| 3 | CLAY      | 8 | Asbestos Bulk (Only Asbestos ID accredited) | C | Contains visible hydrocarbons |
| 4 | LOAM/SAND | 9 | Incinerator Ash (some Metals accredited)    | D | Contains glass / metal        |
| 5 | SAND/CLAY |   |                                             | E | Contains roots / twigs        |

**Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.**

### 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 by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.  
 Results "with Clean up" indicates samples cleaned up with Silica during extraction.

### EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.  
 Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

### Electrical Conductivity of water by method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the accreditation range and as such are unaccredited.

Please contact your client manager if you require 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 NT02-04

**Clients Project No:** 4328

**Project No:** 23/11040

**Date Received:** 08/11/2023 (am)

**Cool Box Temperatures (°C):** 7.0

### 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 Analysis Dates

|                               |            |             |
|-------------------------------|------------|-------------|
| <b>Lab Sample ID</b>          | 23/11040/1 | 23/11040/4  |
| <b>Client Sample No</b>       |            |             |
| <b>Client Sample ID/Depth</b> | RBH502 1m  | RBH502 4.5m |
| <b>Date Sampled</b>           | 03/11/23   | 07/11/23    |
| A-T-006s                      | 16/11/2023 | 16/11/2023  |
| A-T-019s                      | 21/11/2023 | 16/11/2023  |
| A-T-022s                      | 16/11/2023 | 15/11/2023  |
| A-T-024s                      | 17/11/2023 | 17/11/2023  |
| A-T-026s                      | 16/11/2023 | 16/11/2023  |
| A-T-027s                      | 16/11/2023 | 16/11/2023  |
| A-T-031s                      | 16/11/2023 | 16/11/2023  |
| A-T-032s                      | 16/11/2023 | 16/11/2023  |
| A-T-040s                      | 16/11/2023 | 16/11/2023  |
| A-T-042sTCN                   | 16/11/2023 | 16/11/2023  |
| A-T-044                       | 16/11/2023 | 16/11/2023  |
| A-T-045                       | 13/11/2023 |             |
| A-T-050s                      | 16/11/2023 | 16/11/2023  |
| A-T-052s                      | 16/11/2023 | 16/11/2023  |
| A-T-055s                      | 16/11/2023 | 16/11/2023  |
| Calc                          | 16/11/2023 | 17/11/2023  |
| Calc-As Recd                  | 16/11/2023 | 16/11/2023  |

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

**End of Report**

## FINAL ANALYTICAL TEST REPORT

**Envirolab Job Number:** 23/11247  
**Issue Number:** 1

**Date:** 01 December, 2023

**Client:** ROCP LIMITED  
Commercial Wharf 6 Commercial Street  
Castlefield  
Manchester  
M15 4PZ

**Project Manager:** Reece McGuinness  
**Project Name:** Plots N702-04  
**Project Ref:** 4328  
**Order No:** 1920  
**Date Samples Received:** 13/11/23  
**Date Instructions Received:** 14/11/23  
**Date Analysis Completed:** 23/11/23

**Approved by:**



Gemma Berrisford  
Deputy Client Services Supervisor

Envirolab Job Number: 23/11247

Client Project Name: Plots N702-04

Client Project Ref: 4328

| Lab Sample ID                                                | 23/11247/1 | 23/11247/2 | 23/11247/3 | 23/11247/4 | 23/11247/5 | 23/11247/6 | 23/11247/7 | Units | Limit of Detection | Method ref |
|--------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No                                             |            |            |            |            |            |            |            |       |                    |            |
| Client Sample ID                                             | RBH203     | RBH302     | RBH501     | RBH502 P1  | RBH503     | RBH504     | RBH505 P1  |       |                    |            |
| Depth to Top                                                 | 14.90      | 10.65      | 13.70      | 15.80      | 8.70       | 10.70      | 11.20      |       |                    |            |
| Depth To Bottom                                              |            |            |            |            |            |            |            |       |                    |            |
| Date Sampled                                                 | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  |       |                    |            |
| Sample Type                                                  | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW |       |                    |            |
| Sample Matrix Code                                           | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        |       |                    |            |
| pH (w) <sub>A</sub> <sup>#</sup>                             | 7.10       | 7.15       | 7.63       | 7.69       | 6.91       | 6.91       | 6.84       | pH    | 0.01               | A-T-031w   |
| Dissolved Oxygen <sub>A</sub>                                | 7.4        | 9.5        | 9.6        | 9.5        | 9.4        | 9.5        | 9.1        | mg/l  | 0.5                | A-T-048    |
| COD (settled) <sub>A</sub> <sup>#</sup>                      | <5         | 5          | 25         | 14         | 13         | 22         | 13         | mg/l  | 5                  | A-T-034w   |
| BOD (settled, 5 day) <sub>A</sub>                            | <1         | <1         | <1         | 9          | 2          | <1         | 3          | mg/l  | 1                  | A-T-048    |
| Sulphate (w) <sub>A</sub> <sup>#</sup>                       | 81         | 123        | 57         | 70         | 278        | 254        | 223        | mg/l  | 1                  | A-T-026w   |
| DOC - Dissolved Organic Carbon (w) <sub>A</sub> <sup>#</sup> | 2.4        | 4.2        | <2.0       | 4.8        | 4.1        | 8.9        | 4.2        | mg/l  | 2                  | A-T-032w   |
| Arsenic (dissolved) <sub>A</sub> <sup>#</sup>                | <1         | <1         | <1         | 4          | 11         | <1         | 5          | µg/l  | 1                  | A-T-025w   |
| Cadmium (dissolved) <sub>A</sub> <sup>#</sup>                | <0.2       | <0.2       | <0.2       | 0.2        | <0.2       | 0.2        | <0.2       | µg/l  | 0.2                | A-T-025w   |
| Calcium (dissolved) <sub>A</sub> <sup>#</sup>                | 121        | 131        | 102        | 46         | 236        | 221        | 226        | mg/l  | 1                  | A-T-049w   |
| Copper (dissolved) <sub>A</sub>                              | <4         | <4         | <4         | 6          | <4         | <4         | <4         | µg/l  | 4                  | A-T-025w   |
| Chromium (dissolved) <sub>A</sub> <sup>#</sup>               | 4          | 8          | 2          | 2          | <1         | 4          | <1         | µg/l  | 1                  | A-T-025w   |
| Lead (dissolved) <sub>A</sub> <sup>#</sup>                   | <1         | <1         | <1         | 4          | <1         | 11         | <1         | µg/l  | 1                  | A-T-025w   |
| Mercury (dissolved) <sub>A</sub> <sup>#</sup>                | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       | <0.1       | µg/l  | 0.1                | A-T-025w   |
| Nickel (dissolved) <sub>A</sub> <sup>#</sup>                 | <2         | <2         | 13         | 5          | <2         | 8          | <2         | µg/l  | 2                  | A-T-025w   |
| Selenium (dissolved) <sub>A</sub> <sup>#</sup>               | 2          | 4          | 1          | 2          | <1         | 1          | <1         | µg/l  | 1                  | A-T-025w   |
| Zinc (dissolved) <sub>A</sub> <sup>#</sup>                   | 6          | 9          | 9          | 9          | 4          | 5          | 4          | µg/l  | 2                  | A-T-025w   |

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Client Project Name: Plots N702-04

Client Project Ref: 4328

| Lab Sample ID                                       | 23/11247/1 | 23/11247/2 | 23/11247/3 | 23/11247/4 | 23/11247/5 | 23/11247/6 | 23/11247/7 | Units | Limit of Detection | Method ref |
|-----------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No                                    |            |            |            |            |            |            |            |       |                    |            |
| Client Sample ID                                    | RBH203     | RBH302     | RBH501     | RBH502 P1  | RBH503     | RBH504     | RBH505 P1  |       |                    |            |
| Depth to Top                                        | 14.90      | 10.65      | 13.70      | 15.80      | 8.70       | 10.70      | 11.20      |       |                    |            |
| Depth To Bottom                                     |            |            |            |            |            |            |            |       |                    |            |
| Date Sampled                                        | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  |       |                    |            |
| Sample Type                                         | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW |       |                    |            |
| Sample Matrix Code                                  | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        |       |                    |            |
| PAH 16MS (w)                                        |            |            |            |            |            |            |            |       |                    |            |
| Acenaphthene (w) <sub>A</sub> <sup>#</sup>          | 0.33       | <0.01      | <0.01      | 0.03       | 0.15       | 1.22       | 0.12       | µg/l  | 0.01               | A-T-019w   |
| Acenaphthylene (w) <sub>A</sub> <sup>#</sup>        | <0.02      | 0.02       | <0.02      | <0.02      | <0.02      | 0.04       | <0.02      | µg/l  | 0.01               | A-T-019w   |
| Anthracene (w) <sub>A</sub> <sup>#</sup>            | 0.10       | <0.01      | <0.01      | <0.01      | 0.08       | 0.05       | 0.04       | µg/l  | 0.01               | A-T-019w   |
| Benzo(a)anthracene (w) <sub>A</sub> <sup>#</sup>    | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | µg/l  | 0.01               | A-T-019w   |
| Benzo(a)pyrene (w) <sub>A</sub> <sup>#</sup>        | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | µg/l  | 0.01               | A-T-019w   |
| Benzo(b)fluoranthene (w) <sub>A</sub> <sup>#</sup>  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | µg/l  | 0.01               | A-T-019w   |
| Benzo(ghi)perylene (w) <sub>A</sub> <sup>#</sup>    | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | µg/l  | 0.01               | A-T-019w   |
| Benzo(k)fluoranthene (w) <sub>A</sub> <sup>#</sup>  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | µg/l  | 0.01               | A-T-019w   |
| Chrysene (w) <sub>A</sub> <sup>#</sup>              | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | µg/l  | 0.01               | A-T-019w   |
| Dibenzo(ah)anthracene (w) <sub>A</sub> <sup>#</sup> | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | µg/l  | 0.01               | A-T-019w   |
| Fluoranthene (w) <sub>A</sub> <sup>#</sup>          | 0.17       | <0.01      | <0.01      | 0.01       | 0.01       | 0.15       | <0.01      | µg/l  | 0.01               | A-T-019w   |
| Fluorene (w) <sub>A</sub> <sup>#</sup>              | 0.19       | <0.01      | <0.01      | 0.02       | 0.01       | 0.04       | 0.03       | µg/l  | 0.01               | A-T-019w   |
| Indeno(123-cd)pyrene (w) <sub>A</sub> <sup>#</sup>  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | µg/l  | 0.01               | A-T-019w   |
| Naphthalene (w) <sub>A</sub> <sup>#</sup>           | 0.06       | 0.02       | 0.07       | <0.01      | 0.01       | <0.01      | 0.21       | µg/l  | 0.01               | A-T-019w   |
| Phenanthrene (w) <sub>A</sub> <sup>#</sup>          | 0.46       | <0.01      | <0.01      | 0.02       | <0.01      | <0.01      | 0.03       | µg/l  | 0.01               | A-T-019w   |
| Pyrene (w) <sub>A</sub> <sup>#</sup>                | 0.13       | <0.01      | <0.01      | 0.02       | <0.01      | 0.14       | 0.02       | µg/l  | 0.01               | A-T-019w   |
| Total PAH 16MS (w) <sub>A</sub> <sup>#</sup>        | 1.44       | 0.04       | 0.07       | 0.10       | 0.26       | 1.64       | 0.45       | µg/l  | 0.01               | A-T-019w   |

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Client Project Ref: 4328

| Lab Sample ID                                       | 23/11247/1 | 23/11247/2 | 23/11247/3 | 23/11247/4 | 23/11247/5 | 23/11247/6 | 23/11247/7 | Units | Limit of Detection | Method ref |
|-----------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No                                    |            |            |            |            |            |            |            |       |                    |            |
| Client Sample ID                                    | RBH203     | RBH302     | RBH501     | RBH502 P1  | RBH503     | RBH504     | RBH505 P1  |       |                    |            |
| Depth to Top                                        | 14.90      | 10.65      | 13.70      | 15.80      | 8.70       | 10.70      | 11.20      |       |                    |            |
| Depth To Bottom                                     |            |            |            |            |            |            |            |       |                    |            |
| Date Sampled                                        | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  |       |                    |            |
| Sample Type                                         | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW |       |                    |            |
| Sample Matrix Code                                  | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        |       |                    |            |
| VOC (w)                                             |            |            |            |            |            |            |            |       |                    |            |
| Dichlorodifluoromethane <sub>A</sub>                | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Chloromethane <sub>A</sub>                          | <10        | <10        | <10        | <10        | <10        | <10        | <10        | µg/l  | 10                 | A-T-006w   |
| Vinyl Chloride <sub>A</sub> <sup>#</sup>            | <1         | <1         | <1         | <1         | 44         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Bromomethane <sub>A</sub> <sup>#</sup>              | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Chloroethane <sub>A</sub> <sup>#</sup>              | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Trichlorofluoromethane <sub>A</sub> <sup>#</sup>    | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| trans 1,2-Dichloroethene <sub>A</sub> <sup>#</sup>  | <1         | <1         | <1         | <1         | 27         | 3          | <1         | µg/l  | 1                  | A-T-006w   |
| Dichloromethane <sub>A</sub>                        | <5         | <5         | <5         | <5         | <5         | <5         | <5         | µg/l  | 5                  | A-T-006w   |
| Carbon Disulphide <sub>A</sub> <sup>#</sup>         | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,1-Dichloroethene <sub>A</sub> <sup>#</sup>        | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,1-Dichloroethane <sub>A</sub> <sup>#</sup>        | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| cis 1,2-Dichloroethene <sub>A</sub> <sup>#</sup>    | 4          | <1         | 2          | <1         | 73         | 148        | <1         | µg/l  | 1                  | A-T-006w   |
| Bromochloromethane <sub>A</sub> <sup>#</sup>        | <5         | <5         | <5         | <5         | <5         | <5         | <5         | µg/l  | 5                  | A-T-006w   |
| Chloroform <sub>A</sub> <sup>#</sup>                | 59         | 17         | 40         | 21         | <1         | 13         | <1         | µg/l  | 1                  | A-T-006w   |
| 2,2-Dichloropropane <sub>A</sub> <sup>#</sup>       | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,2-Dichloroethane <sub>A</sub> <sup>#</sup>        | <2         | <2         | <2         | <2         | <2         | <2         | <2         | µg/l  | 2                  | A-T-006w   |
| 1,1,1-Trichloroethane <sub>A</sub> <sup>#</sup>     | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,1-Dichloropropene <sub>A</sub> <sup>#</sup>       | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Benzene <sub>A</sub> <sup>#</sup>                   | 1          | <1         | <1         | <1         | 21         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Carbon Tetrachloride <sub>A</sub> <sup>#</sup>      | 84         | 142        | 17         | 24         | <1         | 14         | <1         | µg/l  | 1                  | A-T-006w   |
| Dibromomethane <sub>A</sub> <sup>#</sup>            | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,2-Dichloropropane <sub>A</sub> <sup>#</sup>       | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Bromodichloromethane <sub>A</sub> <sup>#</sup>      | <10        | <10        | <10        | <10        | <10        | <10        | <10        | µg/l  | 10                 | A-T-006w   |
| Trichloroethene <sub>A</sub> <sup>#</sup>           | 215        | 2          | 27         | 3          | <1         | 17         | <1         | µg/l  | 1                  | A-T-006w   |
| cis 1,3-Dichloropropene <sub>A</sub> <sup>#</sup>   | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| trans 1,3-Dichloropropene <sub>A</sub> <sup>#</sup> | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,1,2-Trichloroethane <sub>A</sub> <sup>#</sup>     | 1          | <1         | <1         | <1         | <1         | 2          | <1         | µg/l  | 1                  | A-T-006w   |
| Toluene <sub>A</sub> <sup>#</sup>                   | <1         | <1         | 2          | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,3-Dichloropropane <sub>A</sub> <sup>#</sup>       | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Dibromochloromethane <sub>A</sub> <sup>#</sup>      | <3         | <3         | <3         | <3         | <3         | <3         | <3         | µg/l  | 3                  | A-T-006w   |
| 1,2-Dibromoethane <sub>A</sub> <sup>#</sup>         | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Tetrachloroethene <sub>A</sub>                      | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |

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Client Project Name: Plots N702-04

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| Lab Sample ID                                         | 23/11247/1 | 23/11247/2 | 23/11247/3 | 23/11247/4 | 23/11247/5 | 23/11247/6 | 23/11247/7 | Units | Limit of Detection | Method ref |
|-------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No                                      |            |            |            |            |            |            |            |       |                    |            |
| Client Sample ID                                      | RBH203     | RBH302     | RBH501     | RBH502 P1  | RBH503     | RBH504     | RBH505 P1  |       |                    |            |
| Depth to Top                                          | 14.90      | 10.65      | 13.70      | 15.80      | 8.70       | 10.70      | 11.20      |       |                    |            |
| Depth To Bottom                                       |            |            |            |            |            |            |            |       |                    |            |
| Date Sampled                                          | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  |       |                    |            |
| Sample Type                                           | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW |       |                    |            |
| Sample Matrix Code                                    | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        |       |                    |            |
| 1,1,1,2-Tetrachloroethane <sub>A</sub>                | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Chlorobenzene <sub>A</sub> <sup>#</sup>               | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Ethylbenzene <sub>A</sub> <sup>#</sup>                | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| m & p Xylene <sub>A</sub> <sup>#</sup>                | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Bromoform <sub>A</sub> <sup>#</sup>                   | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 3                  | A-T-006w   |
| Styrene <sub>A</sub> <sup>#</sup>                     | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,1,2,2-Tetrachloroethane <sub>A</sub>                | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| o-Xylene <sub>A</sub> <sup>#</sup>                    | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,2,3-Trichloropropane <sub>A</sub> <sup>#</sup>      | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Isopropylbenzene <sub>A</sub> <sup>#</sup>            | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| Bromobenzene <sub>A</sub> <sup>#</sup>                | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 2-Chlorotoluene <sub>A</sub> <sup>#</sup>             | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| n-propylbenzene <sub>A</sub> <sup>#</sup>             | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 4-Chlorotoluene <sub>A</sub> <sup>#</sup>             | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,2,4-Trimethylbenzene <sub>A</sub> <sup>#</sup>      | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 4-Isopropyltoluene <sub>A</sub> <sup>#</sup>          | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,3,5-Trimethylbenzene <sub>A</sub> <sup>#</sup>      | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,2-Dichlorobenzene <sub>A</sub> <sup>#</sup>         | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,4-Dichlorobenzene <sub>A</sub> <sup>#</sup>         | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| sec-Butylbenzene <sub>A</sub> <sup>#</sup>            | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| tert-Butylbenzene <sub>A</sub> <sup>#</sup>           | <2         | <2         | <2         | <2         | <2         | <2         | <2         | µg/l  | 2                  | A-T-006w   |
| 1,3-Dichlorobenzene <sub>A</sub> <sup>#</sup>         | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| n-butylbenzene <sub>A</sub> <sup>#</sup>              | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |
| 1,2-Dibromo-3-chloropropane <sub>A</sub> <sup>#</sup> | <2         | <2         | <2         | <2         | <2         | <2         | <2         | µg/l  | 2                  | A-T-006w   |
| 1,2,4-Trichlorobenzene <sub>A</sub> <sup>#</sup>      | <3         | <3         | <3         | <3         | <3         | <3         | <3         | µg/l  | 3                  | A-T-006w   |
| 1,2,3-Trichlorobenzene <sub>A</sub> <sup>#</sup>      | <3         | <3         | <3         | <3         | <3         | <3         | <3         | µg/l  | 3                  | A-T-006w   |
| Hexachlorobutadiene <sub>A</sub> <sup>#</sup>         | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-006w   |

Envirolab Job Number: 23/11247

Client Project Name: Plots N702-04

Client Project Ref: 4328

| Lab Sample ID                                      | 23/11247/1 | 23/11247/2 | 23/11247/3 | 23/11247/4 | 23/11247/5 | 23/11247/6 | 23/11247/7 | Units | Limit of Detection | Method ref   |
|----------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|--------------|
| Client Sample No                                   |            |            |            |            |            |            |            |       |                    |              |
| Client Sample ID                                   | RBH203     | RBH302     | RBH501     | RBH502 P1  | RBH503     | RBH504     | RBH505 P1  |       |                    |              |
| Depth to Top                                       | 14.90      | 10.65      | 13.70      | 15.80      | 8.70       | 10.70      | 11.20      |       |                    |              |
| Depth To Bottom                                    |            |            |            |            |            |            |            |       |                    |              |
| Date Sampled                                       | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  | 13-Nov-23  |       |                    |              |
| Sample Type                                        | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW | WATER - GW |       |                    |              |
| Sample Matrix Code                                 | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        |       |                    |              |
| TPH CWG (w) with Clean Up                          |            |            |            |            |            |            |            |       |                    |              |
| Ali >C5-C6 (w) <sub>A</sub> <sup>#</sup>           | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-022w     |
| Ali >C6-C8 (w) <sub>A</sub> <sup>#</sup>           | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-022w     |
| Ali >C8-C10 (w) <sub>A</sub> <sup>#</sup>          | <5         | <5         | <5         | <5         | <5         | <5         | <5         | µg/l  | 5                  | A-T-055w     |
| Ali >C10-C12 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         | <5         | <5         | <5         | <5         | <5         | µg/l  | 5                  | A-T-055w     |
| Ali >C12-C16 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         | <5         | 1080       | <5         | <5         | <5         | µg/l  | 5                  | A-T-055w     |
| Ali >C16-C21 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         | <5         | 8          | <5         | <5         | <5         | µg/l  | 5                  | A-T-055w     |
| Ali >C21-C35 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         | <5         | 99         | <5         | <5         | <5         | µg/l  | 5                  | A-T-055w     |
| Total Aliphatics (w) <sub>A</sub> <sup>#</sup>     | <5         | <5         | <5         | 1190       | <5         | <5         | <5         | µg/l  | 5                  | Calc-As Recd |
| Aro >C5-C7 (w) <sub>A</sub> <sup>#</sup>           | 1          | <1         | <1         | <1         | 19         | <1         | <1         | µg/l  | 1                  | A-T-022w     |
| Aro >C7-C8 (w) <sub>A</sub> <sup>#</sup>           | <1         | <1         | 2          | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-022w     |
| Aro >C8-C10 (w) <sub>A</sub>                       | <5         | <5         | <5         | 8          | <5         | <5         | <5         | µg/l  | 5                  | A-T-055w     |
| Aro >C10-C12 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         | <5         | 15         | <5         | 6          | <5         | µg/l  | 5                  | A-T-055w     |
| Aro >C12-C16 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         | <5         | 340        | <5         | 17         | <5         | µg/l  | 5                  | A-T-055w     |
| Aro >C16-C21 (w) <sub>A</sub> <sup>#</sup>         | 6          | <5         | <5         | 76         | 7          | 26         | <5         | µg/l  | 5                  | A-T-055w     |
| Aro >C21-C35 (w) <sub>A</sub>                      | <10        | <10        | <10        | 15         | <10        | 12         | <10        | µg/l  | 10                 | A-T-055w     |
| Total Aromatics (w) <sub>A</sub>                   | <10        | <10        | <10        | 454        | 26         | 61         | <10        | µg/l  | 10                 | Calc-As Recd |
| TPH (Ali & Aro >C5-C35) (w) <sub>A</sub>           | <10        | <10        | <10        | 1640       | 26         | 61         | <10        | µg/l  | 10                 | Calc-As Recd |
| BTEX - Benzene (w) <sub>A</sub> <sup>#</sup>       | 1          | <1         | <1         | <1         | 19         | <1         | <1         | µg/l  | 1                  | A-T-022w     |
| BTEX - Toluene (w) <sub>A</sub> <sup>#</sup>       | <1         | <1         | 2          | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-022w     |
| BTEX - Ethyl Benzene (w) <sub>A</sub> <sup>#</sup> | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-022w     |
| BTEX - m & p Xylene (w) <sub>A</sub> <sup>#</sup>  | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-022w     |
| BTEX - o Xylene (w) <sub>A</sub> <sup>#</sup>      | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-022w     |
| MTBE (w) <sub>A</sub> <sup>#</sup>                 | <1         | <1         | <1         | <1         | <1         | <1         | <1         | µg/l  | 1                  | A-T-022w     |

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Client Project Name: Plots N702-04

Client Project Ref: 4328

| Lab Sample ID                                                | 23/11247/8 | 23/11247/9 | 23/11247/10 | 23/11247/11 |  |  |  | Units | Limit of Detection | Method ref |
|--------------------------------------------------------------|------------|------------|-------------|-------------|--|--|--|-------|--------------------|------------|
| Client Sample No                                             |            |            |             |             |  |  |  |       |                    |            |
| Client Sample ID                                             | WS311      | RBH502 P2  | RBH505 P2   | RBH305      |  |  |  |       |                    |            |
| Depth to Top                                                 | 1.00       | 18.90      | 13.70       | 7.00        |  |  |  |       |                    |            |
| Depth To Bottom                                              |            |            |             |             |  |  |  |       |                    |            |
| Date Sampled                                                 | 13-Nov-23  | 13-Nov-23  | 13-Nov-23   | 13-Nov-23   |  |  |  |       |                    |            |
| Sample Type                                                  | WATER - GW | WATER - GW | WATER - GW  | WATER - GW  |  |  |  |       |                    |            |
| Sample Matrix Code                                           | N/A        | N/A        | N/A         | N/A         |  |  |  |       |                    |            |
| pH (w) <sub>A</sub> <sup>#</sup>                             | 8.59       | 12.73      | 7.75        | 7.49        |  |  |  | pH    | 0.01               | A-T-031w   |
| Dissolved Oxygen <sub>A</sub>                                | 9.4        | 10         | 9.4         | 9.4         |  |  |  | mg/l  | 0.5                | A-T-048    |
| COD (settled) <sub>A</sub> <sup>#</sup>                      | 551        | 8          | <5          | 9           |  |  |  | mg/l  | 5                  | A-T-034w   |
| BOD (settled, 5 day) <sub>A</sub>                            | 30         | -          | <1          | <1          |  |  |  | mg/l  | 1                  | A-T-048    |
| Sulphate (w) <sub>A</sub> <sup>#</sup>                       | 2650       | 2370       | 68          | 63          |  |  |  | mg/l  | 1                  | A-T-026w   |
| DOC - Dissolved Organic Carbon (w) <sub>A</sub> <sup>#</sup> | 176        | 5.7        | <2.0        | 3.6         |  |  |  | mg/l  | 2                  | A-T-032w   |
| Arsenic (dissolved) <sub>A</sub> <sup>#</sup>                | 17         | -          | 120         | 2           |  |  |  | µg/l  | 1                  | A-T-025w   |
| Cadmium (dissolved) <sub>A</sub> <sup>#</sup>                | <10.0      | -          | <0.2        | <0.2        |  |  |  | µg/l  | 0.2                | A-T-025w   |
| Calcium (dissolved) <sub>A</sub> <sup>#</sup>                | 145        | -          | 91          | 122         |  |  |  | mg/l  | 1                  | A-T-049w   |
| Copper (dissolved) <sub>A</sub>                              | <20        | -          | <4          | <4          |  |  |  | µg/l  | 4                  | A-T-025w   |
| Chromium (dissolved) <sub>A</sub> <sup>#</sup>               | 52         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-025w   |
| Lead (dissolved) <sub>A</sub> <sup>#</sup>                   | <5         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-025w   |
| Mercury (dissolved) <sub>A</sub> <sup>#</sup>                | <0.5       | -          | <0.1        | <0.1        |  |  |  | µg/l  | 0.1                | A-T-025w   |
| Nickel (dissolved) <sub>A</sub> <sup>#</sup>                 | 33         | -          | <2          | 3           |  |  |  | µg/l  | 2                  | A-T-025w   |
| Selenium (dissolved) <sub>A</sub> <sup>#</sup>               | <5         | -          | 1           | 1           |  |  |  | µg/l  | 1                  | A-T-025w   |
| Zinc (dissolved) <sub>A</sub> <sup>#</sup>                   | 21         | -          | 11          | 7           |  |  |  | µg/l  | 2                  | A-T-025w   |

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|                                                     |            |            |             |             |  |  |  |       |                    |            |
|-----------------------------------------------------|------------|------------|-------------|-------------|--|--|--|-------|--------------------|------------|
| Lab Sample ID                                       | 23/11247/8 | 23/11247/9 | 23/11247/10 | 23/11247/11 |  |  |  | Units | Limit of Detection | Method ref |
| Client Sample No                                    |            |            |             |             |  |  |  |       |                    |            |
| Client Sample ID                                    | WS311      | RBH502 P2  | RBH505 P2   | RBH305      |  |  |  |       |                    |            |
| Depth to Top                                        | 1.00       | 18.90      | 13.70       | 7.00        |  |  |  |       |                    |            |
| Depth To Bottom                                     |            |            |             |             |  |  |  |       |                    |            |
| Date Sampled                                        | 13-Nov-23  | 13-Nov-23  | 13-Nov-23   | 13-Nov-23   |  |  |  |       |                    |            |
| Sample Type                                         | WATER - GW | WATER - GW | WATER - GW  | WATER - GW  |  |  |  |       |                    |            |
| Sample Matrix Code                                  | N/A        | N/A        | N/A         | N/A         |  |  |  |       |                    |            |
| PAH 16MS (w)                                        |            |            |             |             |  |  |  |       |                    |            |
| Acenaphthene (w) <sub>A</sub> <sup>#</sup>          | 0.22       | -          | <0.01       | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Acenaphthylene (w) <sub>A</sub> <sup>#</sup>        | <0.02      | -          | <0.02       | <0.02       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Anthracene (w) <sub>A</sub> <sup>#</sup>            | 0.04       | -          | <0.01       | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Benzo(a)anthracene (w) <sub>A</sub> <sup>#</sup>    | 0.02       | -          | <0.01       | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Benzo(a)pyrene (w) <sub>A</sub> <sup>#</sup>        | <0.01      | -          | <0.01       | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Benzo(b)fluoranthene (w) <sub>A</sub> <sup>#</sup>  | 0.01       | -          | <0.01       | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Benzo(ghi)perylene (w) <sub>A</sub> <sup>#</sup>    | <0.01      | -          | <0.01       | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Benzo(k)fluoranthene (w) <sub>A</sub> <sup>#</sup>  | <0.01      | -          | <0.01       | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Chrysene (w) <sub>A</sub> <sup>#</sup>              | 0.02       | -          | 0.01        | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Dibenzo(ah)anthracene (w) <sub>A</sub> <sup>#</sup> | <0.01      | -          | <0.01       | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Fluoranthene (w) <sub>A</sub> <sup>#</sup>          | 0.15       | -          | 0.03        | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Fluorene (w) <sub>A</sub> <sup>#</sup>              | 0.12       | -          | <0.01       | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Indeno(123-cd)pyrene (w) <sub>A</sub> <sup>#</sup>  | <0.01      | -          | <0.01       | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Naphthalene (w) <sub>A</sub> <sup>#</sup>           | 1.06       | -          | 0.29        | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Phenanthrene (w) <sub>A</sub> <sup>#</sup>          | 0.22       | -          | 0.02        | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Pyrene (w) <sub>A</sub> <sup>#</sup>                | 0.13       | -          | 0.03        | <0.01       |  |  |  | µg/l  | 0.01               | A-T-019w   |
| Total PAH 16MS (w) <sub>A</sub> <sup>#</sup>        | 1.99       | -          | 0.38        | <0.02       |  |  |  | µg/l  | 0.01               | A-T-019w   |
|                                                     |            |            |             |             |  |  |  |       |                    |            |
| Phenols (speciated HPLC) (w)                        |            |            |             |             |  |  |  |       |                    |            |
| Phenol (w) <sub>A</sub>                             | <0.10      | -          | -           | -           |  |  |  | mg/l  | 0.01               | A-T-050w   |
| Cresols (w) <sub>A</sub>                            | <0.10      | -          | -           | -           |  |  |  | mg/l  | 0.01               | A-T-050w   |
| Xylenols (w) <sub>A</sub>                           | <0.10      | -          | -           | -           |  |  |  | mg/l  | 0.01               | A-T-050w   |
| Resorcinol (w) <sub>A</sub>                         | <0.10      | -          | -           | -           |  |  |  | mg/l  | 0.01               | A-T-050w   |
| Phenols - Total by HPLC (w) <sub>A</sub>            | <0.10      | -          | -           | -           |  |  |  | mg/l  | 0.01               | A-T-050w   |

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| Lab Sample ID                            | 23/11247/8 | 23/11247/9 | 23/11247/10 | 23/11247/11 |  |  |  | Units | Limit of Detection | Method ref |
|------------------------------------------|------------|------------|-------------|-------------|--|--|--|-------|--------------------|------------|
| Client Sample No                         |            |            |             |             |  |  |  |       |                    |            |
| Client Sample ID                         | WS311      | RBH502 P2  | RBH505 P2   | RBH305      |  |  |  |       |                    |            |
| Depth to Top                             | 1.00       | 18.90      | 13.70       | 7.00        |  |  |  |       |                    |            |
| Depth To Bottom                          |            |            |             |             |  |  |  |       |                    |            |
| Date Sampled                             | 13-Nov-23  | 13-Nov-23  | 13-Nov-23   | 13-Nov-23   |  |  |  |       |                    |            |
| Sample Type                              | WATER - GW | WATER - GW | WATER - GW  | WATER - GW  |  |  |  |       |                    |            |
| Sample Matrix Code                       | N/A        | N/A        | N/A         | N/A         |  |  |  |       |                    |            |
| SVOC (excluding PAH-16) (w)              |            |            |             |             |  |  |  |       |                    |            |
| 1,2,4-Trichlorobenzene <sub>A</sub>      | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 1,2-Dichlorobenzene <sub>A</sub>         | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 1,3-Dichlorobenzene <sub>A</sub>         | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 1,4-Dichlorobenzene <sub>A</sub>         | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2,4,5-Trichlorophenol <sub>A</sub>       | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2,4,6-Trichlorophenol <sub>A</sub>       | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2,4-Dichlorophenol <sub>A</sub>          | 2          | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2,4-Dimethylphenol <sub>A</sub>          | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2,4-Dinitrotoluene <sub>A</sub>          | 1          | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2,6-Dinitrotoluene <sub>A</sub>          | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2-Chloronaphthalene <sub>A</sub>         | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2-Chlorophenol <sub>A</sub>              | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2-Methylnaphthalene <sub>A</sub>         | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2-Methylphenol <sub>A</sub>              | 1          | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 2-Nitrophenol <sub>A</sub>               | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 4-Bromophenyl phenyl ether <sub>A</sub>  | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 4-Chloro-3-methylphenol <sub>A</sub>     | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Bis(2-chloroisopropyl)ether <sub>A</sub> | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 3+4-Methylphenol <sub>A</sub>            | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| 4-Nitrophenol <sub>A</sub>               | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Bis(2-chloroethyl)ether <sub>A</sub>     | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Bis(2-chloroethoxy)methane <sub>A</sub>  | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Bis(2-ethylhexyl)phthalate <sub>A</sub>  | <10        | -          | -           | -           |  |  |  | µg/l  | 10                 | A-T-052w   |
| Butylbenzyl phthalate <sub>A</sub>       | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Carbazole <sub>A</sub>                   | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Dibenzofuran <sub>A</sub>                | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| n-Dibutylphthalate <sub>A</sub>          | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| n-Diethylphthalate <sub>A</sub>          | <10        | -          | -           | -           |  |  |  | µg/l  | 10                 | A-T-052w   |
| n-Nitroso-n-dipropylamine <sub>A</sub>   | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Diethyl phthalate <sub>A</sub>           | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Dimethyl phthalate <sub>A</sub>          | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Hexachlorobutadiene <sub>A</sub>         | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |

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| Lab Sample ID                       | 23/11247/8 | 23/11247/9 | 23/11247/10 | 23/11247/11 |  |  |  | Units | Limit of Detection | Method ref |
|-------------------------------------|------------|------------|-------------|-------------|--|--|--|-------|--------------------|------------|
| Client Sample No                    |            |            |             |             |  |  |  |       |                    |            |
| Client Sample ID                    | WS311      | RBH502 P2  | RBH505 P2   | RBH305      |  |  |  |       |                    |            |
| Depth to Top                        | 1.00       | 18.90      | 13.70       | 7.00        |  |  |  |       |                    |            |
| Depth To Bottom                     |            |            |             |             |  |  |  |       |                    |            |
| Date Sampled                        | 13-Nov-23  | 13-Nov-23  | 13-Nov-23   | 13-Nov-23   |  |  |  |       |                    |            |
| Sample Type                         | WATER - GW | WATER - GW | WATER - GW  | WATER - GW  |  |  |  |       |                    |            |
| Sample Matrix Code                  | N/A        | N/A        | N/A         | N/A         |  |  |  |       |                    |            |
| Hexachlorobenzene SVOC <sub>A</sub> | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Pentachlorophenol SVOC <sub>A</sub> | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Phenol <sub>A</sub>                 | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Hexachloroethane <sub>A</sub>       | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Nitrobenzene <sub>A</sub>           | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Isophorone <sub>A</sub>             | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |
| Perylene <sub>A</sub>               | <1         | -          | -           | -           |  |  |  | µg/l  | 1                  | A-T-052w   |

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Client Project Name: Plots N702-04

Client Project Ref: 4328

| Lab Sample ID                                       | 23/11247/8 | 23/11247/9 | 23/11247/10 | 23/11247/11 |  |  |  | Units | Limit of Detection | Method ref |
|-----------------------------------------------------|------------|------------|-------------|-------------|--|--|--|-------|--------------------|------------|
| Client Sample No                                    |            |            |             |             |  |  |  |       |                    |            |
| Client Sample ID                                    | WS311      | RBH502 P2  | RBH505 P2   | RBH305      |  |  |  |       |                    |            |
| Depth to Top                                        | 1.00       | 18.90      | 13.70       | 7.00        |  |  |  |       |                    |            |
| Depth To Bottom                                     |            |            |             |             |  |  |  |       |                    |            |
| Date Sampled                                        | 13-Nov-23  | 13-Nov-23  | 13-Nov-23   | 13-Nov-23   |  |  |  |       |                    |            |
| Sample Type                                         | WATER - GW | WATER - GW | WATER - GW  | WATER - GW  |  |  |  |       |                    |            |
| Sample Matrix Code                                  | N/A        | N/A        | N/A         | N/A         |  |  |  |       |                    |            |
| VOC (w)                                             |            |            |             |             |  |  |  |       |                    |            |
| Dichlorodifluoromethane <sub>A</sub>                | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Chloromethane <sub>A</sub>                          | <10        | -          | <10         | <10         |  |  |  | µg/l  | 10                 | A-T-006w   |
| Vinyl Chloride <sub>A</sub> <sup>#</sup>            | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Bromomethane <sub>A</sub> <sup>#</sup>              | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Chloroethane <sub>A</sub> <sup>#</sup>              | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Trichlorofluoromethane <sub>A</sub> <sup>#</sup>    | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| trans 1,2-Dichloroethene <sub>A</sub> <sup>#</sup>  | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Dichloromethane <sub>A</sub>                        | <5         | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-006w   |
| Carbon Disulphide <sub>A</sub> <sup>#</sup>         | 1          | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,1-Dichloroethene <sub>A</sub> <sup>#</sup>        | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,1-Dichloroethane <sub>A</sub> <sup>#</sup>        | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| cis 1,2-Dichloroethene <sub>A</sub> <sup>#</sup>    | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Bromochloromethane <sub>A</sub> <sup>#</sup>        | <5         | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-006w   |
| Chloroform <sub>A</sub> <sup>#</sup>                | <1         | -          | 1           | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 2,2-Dichloropropane <sub>A</sub> <sup>#</sup>       | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,2-Dichloroethane <sub>A</sub> <sup>#</sup>        | <2         | -          | <2          | <2          |  |  |  | µg/l  | 2                  | A-T-006w   |
| 1,1,1-Trichloroethane <sub>A</sub> <sup>#</sup>     | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,1-Dichloropropene <sub>A</sub> <sup>#</sup>       | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Benzene <sub>A</sub> <sup>#</sup>                   | 1          | -          | 137         | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Carbon Tetrachloride <sub>A</sub> <sup>#</sup>      | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Dibromomethane <sub>A</sub> <sup>#</sup>            | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,2-Dichloropropane <sub>A</sub> <sup>#</sup>       | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Bromodichloromethane <sub>A</sub> <sup>#</sup>      | <10        | -          | <10         | <10         |  |  |  | µg/l  | 10                 | A-T-006w   |
| Trichloroethene <sub>A</sub> <sup>#</sup>           | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| cis 1,3-Dichloropropene <sub>A</sub> <sup>#</sup>   | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| trans 1,3-Dichloropropene <sub>A</sub> <sup>#</sup> | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,1,2-Trichloroethane <sub>A</sub> <sup>#</sup>     | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Toluene <sub>A</sub> <sup>#</sup>                   | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,3-Dichloropropane <sub>A</sub> <sup>#</sup>       | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Dibromochloromethane <sub>A</sub> <sup>#</sup>      | <3         | -          | <3          | <3          |  |  |  | µg/l  | 3                  | A-T-006w   |
| 1,2-Dibromoethane <sub>A</sub> <sup>#</sup>         | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Tetrachloroethene <sub>A</sub>                      | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |

Envirolab Job Number: 23/11247

Client Project Name: Plots N702-04

Client Project Ref: 4328

| Lab Sample ID                                         | 23/11247/8 | 23/11247/9 | 23/11247/10 | 23/11247/11 |  |  |  | Units | Limit of Detection | Method ref |
|-------------------------------------------------------|------------|------------|-------------|-------------|--|--|--|-------|--------------------|------------|
| Client Sample No                                      |            |            |             |             |  |  |  |       |                    |            |
| Client Sample ID                                      | WS311      | RBH502 P2  | RBH505 P2   | RBH305      |  |  |  |       |                    |            |
| Depth to Top                                          | 1.00       | 18.90      | 13.70       | 7.00        |  |  |  |       |                    |            |
| Depth To Bottom                                       |            |            |             |             |  |  |  |       |                    |            |
| Date Sampled                                          | 13-Nov-23  | 13-Nov-23  | 13-Nov-23   | 13-Nov-23   |  |  |  |       |                    |            |
| Sample Type                                           | WATER - GW | WATER - GW | WATER - GW  | WATER - GW  |  |  |  |       |                    |            |
| Sample Matrix Code                                    | N/A        | N/A        | N/A         | N/A         |  |  |  |       |                    |            |
| 1,1,1,2-Tetrachloroethane <sub>A</sub>                | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Chlorobenzene <sub>A</sub> <sup>#</sup>               | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Ethylbenzene <sub>A</sub> <sup>#</sup>                | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| m & p Xylene <sub>A</sub> <sup>#</sup>                | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Bromoform <sub>A</sub> <sup>#</sup>                   | <1         | -          | <1          | <1          |  |  |  | µg/l  | 3                  | A-T-006w   |
| Styrene <sub>A</sub> <sup>#</sup>                     | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,1,2,2-Tetrachloroethane <sub>A</sub>                | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| o-Xylene <sub>A</sub> <sup>#</sup>                    | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,2,3-Trichloropropane <sub>A</sub> <sup>#</sup>      | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Isopropylbenzene <sub>A</sub> <sup>#</sup>            | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| Bromobenzene <sub>A</sub> <sup>#</sup>                | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 2-Chlorotoluene <sub>A</sub> <sup>#</sup>             | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| n-propylbenzene <sub>A</sub> <sup>#</sup>             | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 4-Chlorotoluene <sub>A</sub> <sup>#</sup>             | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,2,4-Trimethylbenzene <sub>A</sub> <sup>#</sup>      | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 4-Isopropyltoluene <sub>A</sub> <sup>#</sup>          | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,3,5-Trimethylbenzene <sub>A</sub> <sup>#</sup>      | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,2-Dichlorobenzene <sub>A</sub> <sup>#</sup>         | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,4-Dichlorobenzene <sub>A</sub> <sup>#</sup>         | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| sec-Butylbenzene <sub>A</sub> <sup>#</sup>            | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| tert-Butylbenzene <sub>A</sub> <sup>#</sup>           | <2         | -          | <2          | <2          |  |  |  | µg/l  | 2                  | A-T-006w   |
| 1,3-Dichlorobenzene <sub>A</sub> <sup>#</sup>         | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| n-butylbenzene <sub>A</sub> <sup>#</sup>              | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,2-Dibromo-3-chloropropane <sub>A</sub> <sup>#</sup> | <2         | -          | <2          | <2          |  |  |  | µg/l  | 2                  | A-T-006w   |
| 1,2,4-Trichlorobenzene <sub>A</sub> <sup>#</sup>      | <3         | -          | <3          | <3          |  |  |  | µg/l  | 3                  | A-T-006w   |
| 1,2,3-Trichlorobenzene <sub>A</sub> <sup>#</sup>      | <3         | -          | <3          | <3          |  |  |  | µg/l  | 3                  | A-T-006w   |
| Hexachlorobutadiene <sub>A</sub> <sup>#</sup>         | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-006w   |

Envirolab Job Number: 23/11247

Client Project Name: Plots N702-04

Client Project Ref: 4328

| Lab Sample ID                                      | 23/11247/8 | 23/11247/9 | 23/11247/10 | 23/11247/11 |  |  |  | Units | Limit of Detection | Method ref   |
|----------------------------------------------------|------------|------------|-------------|-------------|--|--|--|-------|--------------------|--------------|
| Client Sample No                                   |            |            |             |             |  |  |  |       |                    |              |
| Client Sample ID                                   | WS311      | RBH502 P2  | RBH505 P2   | RBH305      |  |  |  |       |                    |              |
| Depth to Top                                       | 1.00       | 18.90      | 13.70       | 7.00        |  |  |  |       |                    |              |
| Depth To Bottom                                    |            |            |             |             |  |  |  |       |                    |              |
| Date Sampled                                       | 13-Nov-23  | 13-Nov-23  | 13-Nov-23   | 13-Nov-23   |  |  |  |       |                    |              |
| Sample Type                                        | WATER - GW | WATER - GW | WATER - GW  | WATER - GW  |  |  |  |       |                    |              |
| Sample Matrix Code                                 | N/A        | N/A        | N/A         | N/A         |  |  |  |       |                    |              |
| TPH CWG (w) with Clean Up                          |            |            |             |             |  |  |  |       |                    |              |
| Ali >C5-C6 (w) <sub>A</sub> <sup>#</sup>           | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-022w     |
| Ali >C6-C8 (w) <sub>A</sub> <sup>#</sup>           | <1         | -          | 2           | <1          |  |  |  | µg/l  | 1                  | A-T-022w     |
| Ali >C8-C10 (w) <sub>A</sub> <sup>#</sup>          | 7          | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-055w     |
| Ali >C10-C12 (w) <sub>A</sub> <sup>#</sup>         | <5         | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-055w     |
| Ali >C12-C16 (w) <sub>A</sub> <sup>#</sup>         | <5         | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-055w     |
| Ali >C16-C21 (w) <sub>A</sub> <sup>#</sup>         | <5         | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-055w     |
| Ali >C21-C35 (w) <sub>A</sub> <sup>#</sup>         | <5         | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-055w     |
| Total Aliphatics (w) <sub>A</sub> <sup>#</sup>     | 7          | -          | <5          | <5          |  |  |  | µg/l  | 5                  | Calc-As Recd |
| Aro >C5-C7 (w) <sub>A</sub> <sup>#</sup>           | 1          | -          | 126         | <1          |  |  |  | µg/l  | 1                  | A-T-022w     |
| Aro >C7-C8 (w) <sub>A</sub> <sup>#</sup>           | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-022w     |
| Aro >C8-C10 (w) <sub>A</sub>                       | 15         | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-055w     |
| Aro >C10-C12 (w) <sub>A</sub> <sup>#</sup>         | 41         | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-055w     |
| Aro >C12-C16 (w) <sub>A</sub> <sup>#</sup>         | 60         | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-055w     |
| Aro >C16-C21 (w) <sub>A</sub> <sup>#</sup>         | 30         | -          | <5          | <5          |  |  |  | µg/l  | 5                  | A-T-055w     |
| Aro >C21-C35 (w) <sub>A</sub>                      | 14         | -          | <10         | <10         |  |  |  | µg/l  | 10                 | A-T-055w     |
| Total Aromatics (w) <sub>A</sub>                   | 161        | -          | 126         | <10         |  |  |  | µg/l  | 10                 | Calc-As Recd |
| TPH (Ali & Aro >C5-C35) (w) <sub>A</sub>           | 168        | -          | 128         | <10         |  |  |  | µg/l  | 10                 | Calc-As Recd |
| BTEX - Benzene (w) <sub>A</sub> <sup>#</sup>       | 1          | -          | 126         | <1          |  |  |  | µg/l  | 1                  | A-T-022w     |
| BTEX - Toluene (w) <sub>A</sub> <sup>#</sup>       | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-022w     |
| BTEX - Ethyl Benzene (w) <sub>A</sub> <sup>#</sup> | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-022w     |
| BTEX - m & p Xylene (w) <sub>A</sub> <sup>#</sup>  | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-022w     |
| BTEX - o Xylene (w) <sub>A</sub> <sup>#</sup>      | <1         | -          | <1          | <1          |  |  |  | µg/l  | 1                  | A-T-022w     |
| MTBE (w) <sub>A</sub> <sup>#</sup>                 | <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 within the same delivery, will be disposed of **six weeks** after the 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 our scope of accreditation.  
 The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client.  
 A deviating sample 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.

### Key

|                           |                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------|
| Superscript "#"           | Accredited to ISO 17025                                                                               |
| Superscript "M"           | Accredited to MCertS                                                                                  |
| Superscript "U"           | Individual result not accredited                                                                      |
| None of the above symbols | Analysis unaccredited                                                                                 |
| Subscript "A"             | Analysis performed on as-received Sample                                                              |
| Subscript "D"             | Analysis performed on the dried sample, crushed to pass 2mm sieve.                                    |
| Subscript "A"             | Analysis has dependant options against results. Details appear in the comments of your Sample receipt |
| IS                        | Insufficient Sample for analysis                                                                      |
| US                        | Unsuitable Sample for analysis                                                                        |
| NDP                       | No Determination Possible                                                                             |
| NAD                       | No Asbestos Detected                                                                                  |
| N/A                       | Not applicable                                                                                        |

### 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.

### Assigned Matrix Codes

|   |           |   |                                             |   |                               |
|---|-----------|---|---------------------------------------------|---|-------------------------------|
| 1 | SAND      | 6 | CLAY/LOAM                                   | A | Contains Stones               |
| 2 | LOAM      | 7 | OTHER                                       | B | Contains Construction Rubble  |
| 3 | CLAY      | 8 | Asbestos Bulk (Only Asbestos ID accredited) | C | Contains visible hydrocarbons |
| 4 | LOAM/SAND | 9 | Incinerator Ash (some Metals accredited)    | D | Contains glass / metal        |
| 5 | SAND/CLAY |   |                                             | E | Contains roots / twigs        |

**Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.**

### 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 by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.  
 Results "with Clean up" indicates samples cleaned up with Silica during extraction.

### EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.  
 Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

### Electrical Conductivity of water by method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the accreditation range and as such are unaccredited.

Please contact your client manager if you require 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 N702-04

**Clients Project No:** 4328

**Project No:** 23/11247

**Date Received:** 14/11/2023 (am)

**Cool Box Temperatures (°C):** 13.9 - 14.6

|                               |                |                     |
|-------------------------------|----------------|---------------------|
| <b>Lab Sample ID</b>          | 23/11247/8     | 23/11247/9          |
| <b>Client Sample No</b>       |                |                     |
| <b>Client Sample ID/Depth</b> | WS311<br>1.00m | RBH502 P2<br>18.90m |
| <b>Date Sampled</b>           | 13/11/23       | 13/11/23            |
| <b>Deviation Code</b>         |                |                     |
| A10 (BOD not full)            |                | ✓                   |
| F                             | ✓              |                     |

Key

A10 (BOD not full)

Headspace included in BOD container

F

Maximum holding time exceeded between sampling date and analysis for analytes listed below

### HOLDING TIME EXCEEDANCES

|                               |                |
|-------------------------------|----------------|
| <b>Lab Sample ID</b>          | 23/11247/8     |
| <b>Client Sample No</b>       |                |
| <b>Client Sample ID/Depth</b> | WS311<br>1.00m |
| <b>Date Sampled</b>           | 13/11/23       |
| BOD (settled, 5 day)          | ✓              |

Note: 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 (for water samples  $5 \pm 3^{\circ}\text{C}$ ), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

## Envirolab Analysis Dates

| Lab Sample ID          | 23/11247/1       | 23/11247/2       | 23/11247/3       | 23/11247/4          | 23/11247/5      | 23/11247/6       | 23/11247/7          | 23/11247/8     | 23/11247/9          | 23/11247/10         | 23/11247/11     |
|------------------------|------------------|------------------|------------------|---------------------|-----------------|------------------|---------------------|----------------|---------------------|---------------------|-----------------|
| Client Sample No       |                  |                  |                  |                     |                 |                  |                     |                |                     |                     |                 |
| Client Sample ID/Depth | RBH203<br>14.90m | RBH302<br>10.65m | RBH501<br>13.70m | RBH502 P1<br>15.80m | RBH503<br>8.70m | RBH504<br>10.70m | RBH505 P1<br>11.20m | WS311<br>1.00m | RBH502 P2<br>18.90m | RBH505 P2<br>13.70m | RBH305<br>7.00m |
| Date Sampled           | 13/11/23         | 13/11/23         | 13/11/23         | 13/11/23            | 13/11/23        | 13/11/23         | 13/11/23            | 13/11/23       | 13/11/23            | 13/11/23            | 13/11/23        |
| A-T-006w               | 20/11/2023       | 20/11/2023       | 20/11/2023       | 20/11/2023          | 20/11/2023      | 20/11/2023       | 20/11/2023          | 20/11/2023     |                     | 20/11/2023          | 20/11/2023      |
| A-T-019w               | 17/11/2023       | 17/11/2023       | 17/11/2023       | 17/11/2023          | 17/11/2023      | 17/11/2023       | 17/11/2023          | 17/11/2023     |                     | 17/11/2023          | 17/11/2023      |
| A-T-022w               | 20/11/2023       | 20/11/2023       | 20/11/2023       | 20/11/2023          | 20/11/2023      | 20/11/2023       | 20/11/2023          | 20/11/2023     |                     | 20/11/2023          | 20/11/2023      |
| A-T-025w               | 16/11/2023       | 16/11/2023       | 16/11/2023       | 16/11/2023          | 16/11/2023      | 16/11/2023       | 16/11/2023          | 17/11/2023     |                     | 16/11/2023          | 16/11/2023      |
| A-T-026w               | 22/11/2023       | 22/11/2023       | 22/11/2023       | 22/11/2023          | 22/11/2023      | 22/11/2023       | 22/11/2023          | 22/11/2023     | 22/11/2023          | 22/11/2023          | 22/11/2023      |
| A-T-031w               | 16/11/2023       | 16/11/2023       | 16/11/2023       | 16/11/2023          | 16/11/2023      | 16/11/2023       | 16/11/2023          | 16/11/2023     | 16/11/2023          | 16/11/2023          | 16/11/2023      |
| A-T-032w               | 16/11/2023       | 16/11/2023       | 16/11/2023       | 16/11/2023          | 16/11/2023      | 16/11/2023       | 16/11/2023          | 22/11/2023     | 16/11/2023          | 16/11/2023          | 17/11/2023      |
| A-T-034w               | 23/11/2023       | 23/11/2023       | 23/11/2023       | 23/11/2023          | 23/11/2023      | 22/11/2023       | 23/11/2023          | 23/11/2023     | 23/11/2023          | 23/11/2023          | 22/11/2023      |
| A-T-048                | 20/11/2023       | 20/11/2023       | 20/11/2023       | 20/11/2023          | 20/11/2023      | 20/11/2023       | 20/11/2023          | 20/11/2023     | 20/11/2023          | 20/11/2023          | 20/11/2023      |
| A-T-049w               | 22/11/2023       | 22/11/2023       | 22/11/2023       | 22/11/2023          | 22/11/2023      | 22/11/2023       | 22/11/2023          | 22/11/2023     |                     | 22/11/2023          | 22/11/2023      |
| A-T-050w               |                  |                  |                  |                     |                 |                  |                     | 20/11/2023     |                     |                     |                 |
| A-T-052w               |                  |                  |                  |                     |                 |                  |                     | 21/11/2023     |                     |                     |                 |
| A-T-055w               | 20/11/2023       | 20/11/2023       | 20/11/2023       | 20/11/2023          | 20/11/2023      | 20/11/2023       | 20/11/2023          | 20/11/2023     |                     | 20/11/2023          | 20/11/2023      |
| Calc-As Recd           | 20/11/2023       | 20/11/2023       | 20/11/2023       | 20/11/2023          | 20/11/2023      | 20/11/2023       | 20/11/2023          | 20/11/2023     |                     | 20/11/2023          | 20/11/2023      |

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

**End of Report**

## FINAL ANALYTICAL TEST REPORT

**Envirolab Job Number:** 23/11487  
**Issue Number:** 1

**Date:** 04 December, 2023

**Client:** ROCP LIMITED  
Commercial Wharf 6 Commercial Street  
Castlefield  
Manchester  
M15 4PZ

**Project Manager:** Reece McGuinness  
**Project Name:** Dantzie Street  
**Project Ref:** 4328  
**Order No:** 1920  
**Date Samples Received:** 20/11/23  
**Date Instructions Received:** 21/11/23  
**Date Analysis Completed:** 02/12/23

**Approved by:**



Richard Wong  
Client Manager

Envirolab Job Number: 23/11487

Client Project Name: Dantzic Street

Client Project Ref: 4328

|                                                              |            |  |  |  |  |  |  |       |                    |            |
|--------------------------------------------------------------|------------|--|--|--|--|--|--|-------|--------------------|------------|
| Lab Sample ID                                                | 23/11487/1 |  |  |  |  |  |  | Units | Limit of Detection | Method ref |
| Client Sample No                                             |            |  |  |  |  |  |  |       |                    |            |
| Client Sample ID                                             | BH502 P2   |  |  |  |  |  |  |       |                    |            |
| Depth to Top                                                 | 18.90      |  |  |  |  |  |  |       |                    |            |
| Depth To Bottom                                              |            |  |  |  |  |  |  |       |                    |            |
| Date Sampled                                                 | 20-Nov-23  |  |  |  |  |  |  |       |                    |            |
| Sample Type                                                  | WATER - GW |  |  |  |  |  |  |       |                    |            |
| Sample Matrix Code                                           | N/A        |  |  |  |  |  |  |       |                    |            |
| pH (w) <sub>A</sub> <sup>#</sup>                             | 7.66       |  |  |  |  |  |  | pH    | 0.01               | A-T-031w   |
| Dissolved Oxygen <sub>A</sub>                                | 9.5        |  |  |  |  |  |  | mg/l  | 0.5                | A-T-048    |
| COD (settled) <sub>A</sub> <sup>#</sup>                      | 24         |  |  |  |  |  |  | mg/l  | 5                  | A-T-034w   |
| BOD (settled, 5 day) <sub>A</sub>                            | 7          |  |  |  |  |  |  | mg/l  | 1                  | A-T-048    |
| Sulphate (w) <sub>A</sub> <sup>#</sup>                       | 170        |  |  |  |  |  |  | mg/l  | 1                  | A-T-026w   |
| DOC - Dissolved Organic Carbon (w) <sub>A</sub> <sup>#</sup> | 5.7        |  |  |  |  |  |  | mg/l  | 2                  | A-T-032w   |
| Arsenic (dissolved) <sub>A</sub> <sup>#</sup>                | 9          |  |  |  |  |  |  | µg/l  | 1                  | A-T-025w   |
| Cadmium (dissolved) <sub>A</sub> <sup>#</sup>                | <0.2       |  |  |  |  |  |  | µg/l  | 0.2                | A-T-025w   |
| Calcium (dissolved) <sub>A</sub> <sup>#</sup>                | 121        |  |  |  |  |  |  | mg/l  | 1                  | A-T-049w   |
| Copper (dissolved) <sub>A</sub>                              | <4         |  |  |  |  |  |  | µg/l  | 4                  | A-T-025w   |
| Chromium (dissolved) <sub>A</sub> <sup>#</sup>               | 6          |  |  |  |  |  |  | µg/l  | 1                  | A-T-025w   |
| Lead (dissolved) <sub>A</sub> <sup>#</sup>                   | 6          |  |  |  |  |  |  | µg/l  | 1                  | A-T-025w   |
| Mercury (dissolved) <sub>A</sub> <sup>#</sup>                | <0.1       |  |  |  |  |  |  | µg/l  | 0.1                | A-T-025w   |
| Nickel (dissolved) <sub>A</sub> <sup>#</sup>                 | 6          |  |  |  |  |  |  | µg/l  | 2                  | A-T-025w   |
| Selenium (dissolved) <sub>A</sub> <sup>#</sup>               | 3          |  |  |  |  |  |  | µg/l  | 1                  | A-T-025w   |
| Zinc (dissolved) <sub>A</sub> <sup>#</sup>                   | 19         |  |  |  |  |  |  | µg/l  | 2                  | A-T-025w   |

Envirolab Job Number: 23/11487

Client Project Name: Dantzic Street

Client Project Ref: 4328

|                                                     |            |  |  |  |  |  |  |      |      |          |
|-----------------------------------------------------|------------|--|--|--|--|--|--|------|------|----------|
| Lab Sample ID                                       | 23/11487/1 |  |  |  |  |  |  |      |      |          |
| Client Sample No                                    |            |  |  |  |  |  |  |      |      |          |
| Client Sample ID                                    | BH502 P2   |  |  |  |  |  |  |      |      |          |
| Depth to Top                                        | 18.90      |  |  |  |  |  |  |      |      |          |
| Depth To Bottom                                     |            |  |  |  |  |  |  |      |      |          |
| Date Sampled                                        | 20-Nov-23  |  |  |  |  |  |  |      |      |          |
| Sample Type                                         | WATER - GW |  |  |  |  |  |  |      |      |          |
| Sample Matrix Code                                  | N/A        |  |  |  |  |  |  |      |      |          |
| PAH 16MS (w)                                        |            |  |  |  |  |  |  |      |      |          |
| Acenaphthene (w) <sub>A</sub> <sup>#</sup>          | 0.01       |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Acenaphthylene (w) <sub>A</sub> <sup>#</sup>        | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Anthracene (w) <sub>A</sub> <sup>#</sup>            | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Benzo(a)anthracene (w) <sub>A</sub> <sup>#</sup>    | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Benzo(a)pyrene (w) <sub>A</sub> <sup>#</sup>        | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Benzo(b)fluoranthene (w) <sub>A</sub> <sup>#</sup>  | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Benzo(ghi)perylene (w) <sub>A</sub> <sup>#</sup>    | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Benzo(k)fluoranthene (w) <sub>A</sub> <sup>#</sup>  | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Chrysene (w) <sub>A</sub> <sup>#</sup>              | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Dibenzo(ah)anthracene (w) <sub>A</sub> <sup>#</sup> | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Fluoranthene (w) <sub>A</sub> <sup>#</sup>          | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Fluorene (w) <sub>A</sub> <sup>#</sup>              | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Indeno(123-cd)pyrene (w) <sub>A</sub> <sup>#</sup>  | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Naphthalene (w) <sub>A</sub> <sup>#</sup>           | 0.12       |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Phenanthrene (w) <sub>A</sub> <sup>#</sup>          | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Pyrene (w) <sub>A</sub> <sup>#</sup>                | <0.01      |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |
| Total PAH 16MS (w) <sub>A</sub> <sup>#</sup>        | 0.13       |  |  |  |  |  |  | µg/l | 0.01 | A-T-019w |

Envirolab Job Number: 23/11487

Client Project Name: Dantzie Street

Client Project Ref: 4328

|                                                     |            |  |  |  |  |  |  |      |    |          |
|-----------------------------------------------------|------------|--|--|--|--|--|--|------|----|----------|
| Lab Sample ID                                       | 23/11487/1 |  |  |  |  |  |  |      |    |          |
| Client Sample No                                    |            |  |  |  |  |  |  |      |    |          |
| Client Sample ID                                    | BH502 P2   |  |  |  |  |  |  |      |    |          |
| Depth to Top                                        | 18.90      |  |  |  |  |  |  |      |    |          |
| Depth To Bottom                                     |            |  |  |  |  |  |  |      |    |          |
| Date Sampled                                        | 20-Nov-23  |  |  |  |  |  |  |      |    |          |
| Sample Type                                         | WATER - GW |  |  |  |  |  |  |      |    |          |
| Sample Matrix Code                                  | N/A        |  |  |  |  |  |  |      |    |          |
| VOC (w)                                             |            |  |  |  |  |  |  |      |    |          |
| Dichlorodifluoromethane <sub>A</sub>                | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Chloromethane <sub>A</sub>                          | <10        |  |  |  |  |  |  | µg/l | 10 | A-T-006w |
| Vinyl Chloride <sub>A</sub> <sup>#</sup>            | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Bromomethane <sub>A</sub> <sup>#</sup>              | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Chloroethane <sub>A</sub> <sup>#</sup>              | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Trichlorofluoromethane <sub>A</sub> <sup>#</sup>    | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| trans 1,2-Dichloroethene <sub>A</sub> <sup>#</sup>  | 40         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Dichloromethane <sub>A</sub>                        | <5         |  |  |  |  |  |  | µg/l | 5  | A-T-006w |
| Carbon Disulphide <sub>A</sub> <sup>#</sup>         | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| 1,1-Dichloroethene <sub>A</sub> <sup>#</sup>        | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| 1,1-Dichloroethane <sub>A</sub> <sup>#</sup>        | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| cis 1,2-Dichloroethene <sub>A</sub> <sup>#</sup>    | 40         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Bromochloromethane <sub>A</sub> <sup>#</sup>        | <5         |  |  |  |  |  |  | µg/l | 5  | A-T-006w |
| Chloroform <sub>A</sub> <sup>#</sup>                | 4          |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| 2,2-Dichloropropane <sub>A</sub> <sup>#</sup>       | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| 1,2-Dichloroethane <sub>A</sub> <sup>#</sup>        | <2         |  |  |  |  |  |  | µg/l | 2  | A-T-006w |
| 1,1,1-Trichloroethane <sub>A</sub> <sup>#</sup>     | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| 1,1-Dichloropropene <sub>A</sub> <sup>#</sup>       | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Benzene <sub>A</sub> <sup>#</sup>                   | 385        |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Carbon Tetrachloride <sub>A</sub> <sup>#</sup>      | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Dibromomethane <sub>A</sub> <sup>#</sup>            | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| 1,2-Dichloropropane <sub>A</sub> <sup>#</sup>       | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Bromodichloromethane <sub>A</sub> <sup>#</sup>      | <10        |  |  |  |  |  |  | µg/l | 10 | A-T-006w |
| Trichloroethene <sub>A</sub> <sup>#</sup>           | 4          |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| cis 1,3-Dichloropropene <sub>A</sub> <sup>#</sup>   | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| trans 1,3-Dichloropropene <sub>A</sub> <sup>#</sup> | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| 1,1,2-Trichloroethane <sub>A</sub> <sup>#</sup>     | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Toluene <sub>A</sub> <sup>#</sup>                   | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| 1,3-Dichloropropane <sub>A</sub> <sup>#</sup>       | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Dibromochloromethane <sub>A</sub> <sup>#</sup>      | <3         |  |  |  |  |  |  | µg/l | 3  | A-T-006w |
| 1,2-Dibromoethane <sub>A</sub> <sup>#</sup>         | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |
| Tetrachloroethene <sub>A</sub>                      | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-006w |

Envirolab Job Number: 23/11487

Client Project Name: Dantzie Street

Client Project Ref: 4328

| Lab Sample ID                                         | 23/11487/1 |  |  |  |  |  |  |       |                    |            |
|-------------------------------------------------------|------------|--|--|--|--|--|--|-------|--------------------|------------|
| Client Sample No                                      |            |  |  |  |  |  |  |       |                    |            |
| Client Sample ID                                      | BH502 P2   |  |  |  |  |  |  |       |                    |            |
| Depth to Top                                          | 18.90      |  |  |  |  |  |  |       |                    |            |
| Depth To Bottom                                       |            |  |  |  |  |  |  |       |                    |            |
| Date Sampled                                          | 20-Nov-23  |  |  |  |  |  |  |       |                    |            |
| Sample Type                                           | WATER - GW |  |  |  |  |  |  |       |                    |            |
| Sample Matrix Code                                    | N/A        |  |  |  |  |  |  |       |                    |            |
|                                                       |            |  |  |  |  |  |  | Units | Limit of Detection | Method ref |
| 1,1,1,2-Tetrachloroethane <sub>A</sub>                | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| Chlorobenzene <sub>A</sub> <sup>#</sup>               | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| Ethylbenzene <sub>A</sub> <sup>#</sup>                | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| m & p Xylene <sub>A</sub> <sup>#</sup>                | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| Bromoform <sub>A</sub> <sup>#</sup>                   | <1         |  |  |  |  |  |  | µg/l  | 3                  | A-T-006w   |
| Styrene <sub>A</sub> <sup>#</sup>                     | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,1,1,2,2-Tetrachloroethane <sub>A</sub>              | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| o-Xylene <sub>A</sub> <sup>#</sup>                    | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,2,3-Trichloropropane <sub>A</sub> <sup>#</sup>      | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| Isopropylbenzene <sub>A</sub> <sup>#</sup>            | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| Bromobenzene <sub>A</sub> <sup>#</sup>                | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| 2-Chlorotoluene <sub>A</sub> <sup>#</sup>             | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| n-propylbenzene <sub>A</sub> <sup>#</sup>             | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| 4-Chlorotoluene <sub>A</sub> <sup>#</sup>             | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,2,4-Trimethylbenzene <sub>A</sub> <sup>#</sup>      | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| 4-Isopropyltoluene <sub>A</sub> <sup>#</sup>          | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,3,5-Trimethylbenzene <sub>A</sub> <sup>#</sup>      | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,2-Dichlorobenzene <sub>A</sub> <sup>#</sup>         | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,4-Dichlorobenzene <sub>A</sub> <sup>#</sup>         | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| sec-Butylbenzene <sub>A</sub> <sup>#</sup>            | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| tert-Butylbenzene <sub>A</sub> <sup>#</sup>           | <2         |  |  |  |  |  |  | µg/l  | 2                  | A-T-006w   |
| 1,3-Dichlorobenzene <sub>A</sub> <sup>#</sup>         | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| n-butylbenzene <sub>A</sub> <sup>#</sup>              | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |
| 1,2-Dibromo-3-chloropropane <sub>A</sub> <sup>#</sup> | <2         |  |  |  |  |  |  | µg/l  | 2                  | A-T-006w   |
| 1,2,4-Trichlorobenzene <sub>A</sub> <sup>#</sup>      | <3         |  |  |  |  |  |  | µg/l  | 3                  | A-T-006w   |
| 1,2,3-Trichlorobenzene <sub>A</sub> <sup>#</sup>      | <3         |  |  |  |  |  |  | µg/l  | 3                  | A-T-006w   |
| Hexachlorobutadiene <sub>A</sub> <sup>#</sup>         | <1         |  |  |  |  |  |  | µg/l  | 1                  | A-T-006w   |

Envirolab Job Number: 23/11487

Client Project Name: Dantzie Street

Client Project Ref: 4328

|                                                    |            |  |  |  |  |  |  |      |    |              |
|----------------------------------------------------|------------|--|--|--|--|--|--|------|----|--------------|
| Lab Sample ID                                      | 23/11487/1 |  |  |  |  |  |  |      |    |              |
| Client Sample No                                   |            |  |  |  |  |  |  |      |    |              |
| Client Sample ID                                   | BH502 P2   |  |  |  |  |  |  |      |    |              |
| Depth to Top                                       | 18.90      |  |  |  |  |  |  |      |    |              |
| Depth To Bottom                                    |            |  |  |  |  |  |  |      |    |              |
| Date Sampled                                       | 20-Nov-23  |  |  |  |  |  |  |      |    |              |
| Sample Type                                        | WATER - GW |  |  |  |  |  |  |      |    |              |
| Sample Matrix Code                                 | N/A        |  |  |  |  |  |  |      |    |              |
| TPH CWG (w) with Clean Up                          |            |  |  |  |  |  |  |      |    |              |
| Ali >C5-C6 (w) <sub>A</sub> <sup>#</sup>           | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-022w     |
| Ali >C6-C8 (w) <sub>A</sub> <sup>#</sup>           | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-022w     |
| Ali >C8-C10 (w) <sub>A</sub> <sup>#</sup>          | <5         |  |  |  |  |  |  | µg/l | 5  | A-T-055w     |
| Ali >C10-C12 (w) <sub>A</sub> <sup>#</sup>         | <5         |  |  |  |  |  |  | µg/l | 5  | A-T-055w     |
| Ali >C12-C16 (w) <sub>A</sub> <sup>#</sup>         | 559        |  |  |  |  |  |  | µg/l | 5  | A-T-055w     |
| Ali >C16-C21 (w) <sub>A</sub> <sup>#</sup>         | <5         |  |  |  |  |  |  | µg/l | 5  | A-T-055w     |
| Ali >C21-C35 (w) <sub>A</sub> <sup>#</sup>         | 48         |  |  |  |  |  |  | µg/l | 5  | A-T-055w     |
| Total Aliphatics (w) <sub>A</sub> <sup>#</sup>     | 607        |  |  |  |  |  |  | µg/l | 5  | Calc-As Recd |
| Aro >C5-C7 (w) <sub>A</sub> <sup>#</sup>           | 300        |  |  |  |  |  |  | µg/l | 1  | A-T-022w     |
| Aro >C7-C8 (w) <sub>A</sub> <sup>#</sup>           | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-022w     |
| Aro >C8-C10 (w) <sub>A</sub>                       | <5         |  |  |  |  |  |  | µg/l | 5  | A-T-055w     |
| Aro >C10-C12 (w) <sub>A</sub> <sup>#</sup>         | 13         |  |  |  |  |  |  | µg/l | 5  | A-T-055w     |
| Aro >C12-C16 (w) <sub>A</sub> <sup>#</sup>         | 130        |  |  |  |  |  |  | µg/l | 5  | A-T-055w     |
| Aro >C16-C21 (w) <sub>A</sub> <sup>#</sup>         | 50         |  |  |  |  |  |  | µg/l | 5  | A-T-055w     |
| Aro >C21-C35 (w) <sub>A</sub>                      | <10        |  |  |  |  |  |  | µg/l | 10 | A-T-055w     |
| Total Aromatics (w) <sub>A</sub>                   | 493        |  |  |  |  |  |  | µg/l | 10 | Calc-As Recd |
| TPH (Ali & Aro >C5-C35) (w) <sub>A</sub>           | 1100       |  |  |  |  |  |  | µg/l | 10 | Calc-As Recd |
| BTEX - Benzene (w) <sub>A</sub> <sup>#</sup>       | 300        |  |  |  |  |  |  | µg/l | 1  | A-T-022w     |
| BTEX - Toluene (w) <sub>A</sub> <sup>#</sup>       | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-022w     |
| BTEX - Ethyl Benzene (w) <sub>A</sub> <sup>#</sup> | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-022w     |
| BTEX - m & p Xylene (w) <sub>A</sub> <sup>#</sup>  | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-022w     |
| BTEX - o Xylene (w) <sub>A</sub> <sup>#</sup>      | <1         |  |  |  |  |  |  | µg/l | 1  | A-T-022w     |
| MTBE (w) <sub>A</sub> <sup>#</sup>                 | <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 within the same delivery, will be disposed of **six weeks** after the 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 our scope of accreditation.  
 The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client.  
 A deviating sample 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.

### Key

|                           |                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------|
| Superscript "#"           | Accredited to ISO 17025                                                                               |
| Superscript "M"           | Accredited to MCertS                                                                                  |
| Superscript "U"           | Individual result not accredited                                                                      |
| None of the above symbols | Analysis unaccredited                                                                                 |
| Subscript "A"             | Analysis performed on as-received Sample                                                              |
| Subscript "D"             | Analysis performed on the dried sample, crushed to pass 2mm sieve.                                    |
| Subscript "A"             | Analysis has dependant options against results. Details appear in the comments of your Sample receipt |
| IS                        | Insufficient Sample for analysis                                                                      |
| US                        | Unsuitable Sample for analysis                                                                        |
| NDP                       | No Determination Possible                                                                             |
| NAD                       | No Asbestos Detected                                                                                  |
| N/A                       | Not applicable                                                                                        |

### 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.

### Assigned Matrix Codes

|   |           |   |                                             |   |                               |
|---|-----------|---|---------------------------------------------|---|-------------------------------|
| 1 | SAND      | 6 | CLAY/LOAM                                   | A | Contains Stones               |
| 2 | LOAM      | 7 | OTHER                                       | B | Contains Construction Rubble  |
| 3 | CLAY      | 8 | Asbestos Bulk (Only Asbestos ID accredited) | C | Contains visible hydrocarbons |
| 4 | LOAM/SAND | 9 | Incinerator Ash (some Metals accredited)    | D | Contains glass / metal        |
| 5 | SAND/CLAY |   |                                             | E | Contains roots / twigs        |

**Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.**

### 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 by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.  
 Results "with Clean up" indicates samples cleaned up with Silica during extraction.

### EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.  
 Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

### Electrical Conductivity of water by method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the accreditation range and as such are unaccredited.

Please contact your client manager if you require 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:** Dantzic Street

**Clients Project No:** 4328

**Project No:** 23/11487

**Date Received:** 21/11/2023 (am)

**Cool Box Temperatures (°C):** 12.6

|                               |                    |
|-------------------------------|--------------------|
| <b>Lab Sample ID</b>          | 23/11487/1         |
| <b>Client Sample No</b>       |                    |
| <b>Client Sample ID/Depth</b> | BH502 P2<br>18.90m |
| <b>Date Sampled</b>           | 20/11/23           |
| <b>Deviation Code</b>         |                    |
| F                             | ✓                  |

Key

F Maximum holding time exceeded between sampling date and analysis for analytes listed below

### HOLDING TIME EXCEEDANCES

|                               |                    |
|-------------------------------|--------------------|
| <b>Lab Sample ID</b>          | 23/11487/1         |
| <b>Client Sample No</b>       |                    |
| <b>Client Sample ID/Depth</b> | BH502 P2<br>18.90m |
| <b>Date Sampled</b>           | 20/11/23           |
| BOD (settled, 5 day)          | ✓                  |

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 Analysis Dates

|                               |                    |
|-------------------------------|--------------------|
| <b>Lab Sample ID</b>          | 23/11487/1         |
| <b>Client Sample No</b>       |                    |
| <b>Client Sample ID/Depth</b> | BH502 P2<br>18.90m |
| <b>Date Sampled</b>           | 20/11/23           |
| A-T-006w                      | 28/11/2023         |
| A-T-019w                      | 28/11/2023         |
| A-T-022w                      | 27/11/2023         |
| A-T-025w                      | 02/12/2023         |
| A-T-026w                      | 29/11/2023         |
| A-T-031w                      | 23/11/2023         |
| A-T-032w                      | 29/11/2023         |
| A-T-034w                      | 30/11/2023         |
| A-T-048                       | 28/11/2023         |
| A-T-049w                      | 29/11/2023         |
| A-T-055w                      | 27/11/2023         |
| Calc-As Recd                  | 27/11/2023         |

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

**End of Report**



COMPLEX CHALLENGES ...  
MADE SIMPLE

# APPENDIX D – GEOTECHNICAL TESTING RESULTS

# TEST CERTIFICATE

## DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS 1377-2:1990: Clause 4.4 and 5

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB

Client: ROC Consulting Ltd  
Client Address: Commercial Wharf, 6 Commercial Street,  
Castlefield, Manchester,  
M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 30/08/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

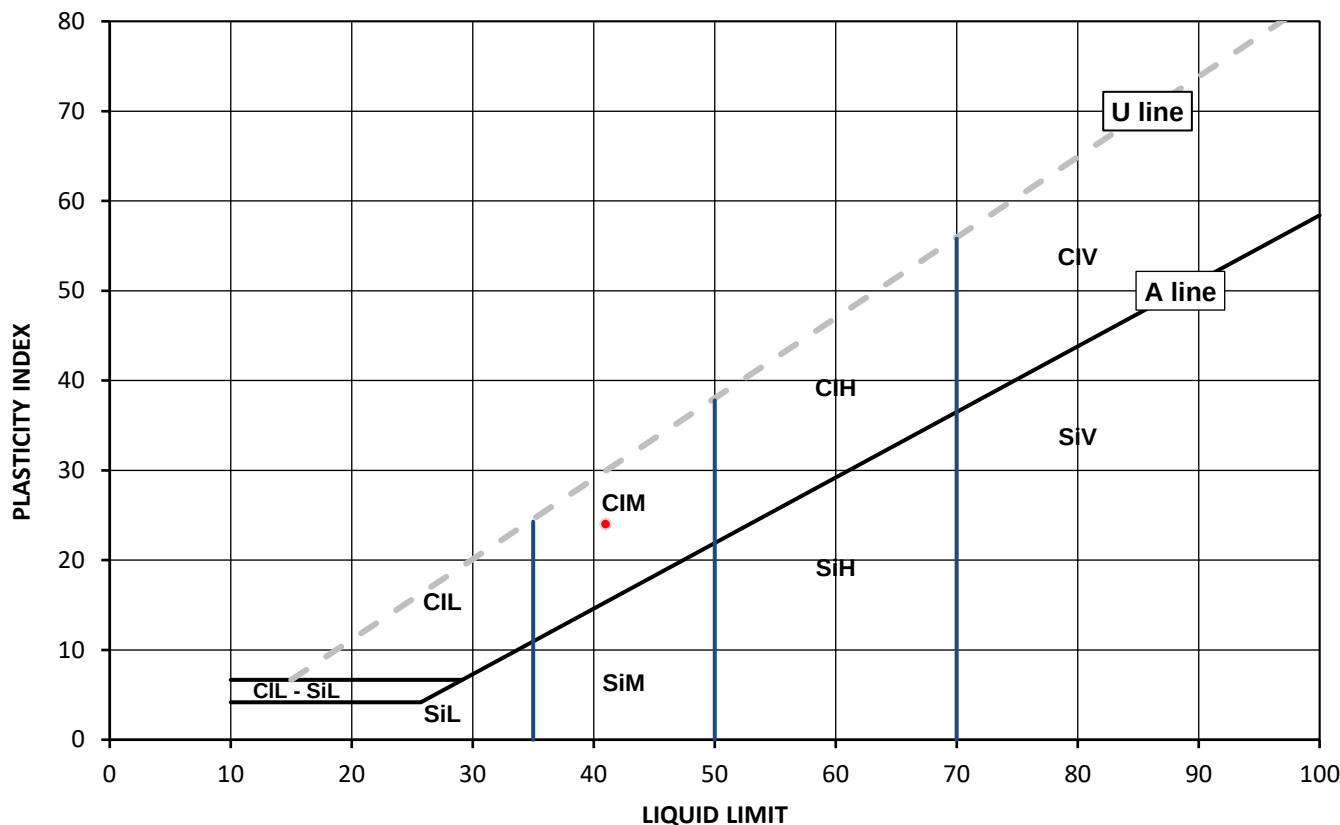
### Test Results:

Laboratory Reference: 2397661  
Hole No.: WS209  
Sample Reference: Not Given  
Sample Description: Brown slightly gravelly sandy CLAY

Depth Top [m]: 3.00  
Depth Base [m]: Not Given  
Sample Type: D

Sample Preparation: Tested after >425um removed by hand

| As Received Water Content [ W ] % | Liquid Limit [ WL ] % | Plastic Limit [ Wp ] % | Plasticity Index [ Ip ] % | % Passing 425µm BS Test Sieve |
|-----------------------------------|-----------------------|------------------------|---------------------------|-------------------------------|
| 17                                | 41                    | 17                     | 24                        | 98                            |



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

|    | Plasticity | Liquid Limit                                              |
|----|------------|-----------------------------------------------------------|
| Cl | Clay       | below 35                                                  |
| Si | Silt       | 35 to 50                                                  |
|    | L          | Low                                                       |
|    | M          | Medium                                                    |
|    | H          | High                                                      |
|    | V          | Very high                                                 |
|    | O          | Organic                                                   |
|    |            | append to classification for organic material ( eg CIHO ) |

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Remarks: Replaces Analytical Report Number 22-79461, issue no 1;

Signed:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

for and on behalf of i2 Analytical Ltd

# TEST CERTIFICATE

## DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS 1377-2:1990: Clause 4.4 and 5

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB

Client: ROC Consulting Ltd  
Client Address: Commercial Wharf, 6 Commercial Street,  
Castlefield, Manchester,  
M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 31/08/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

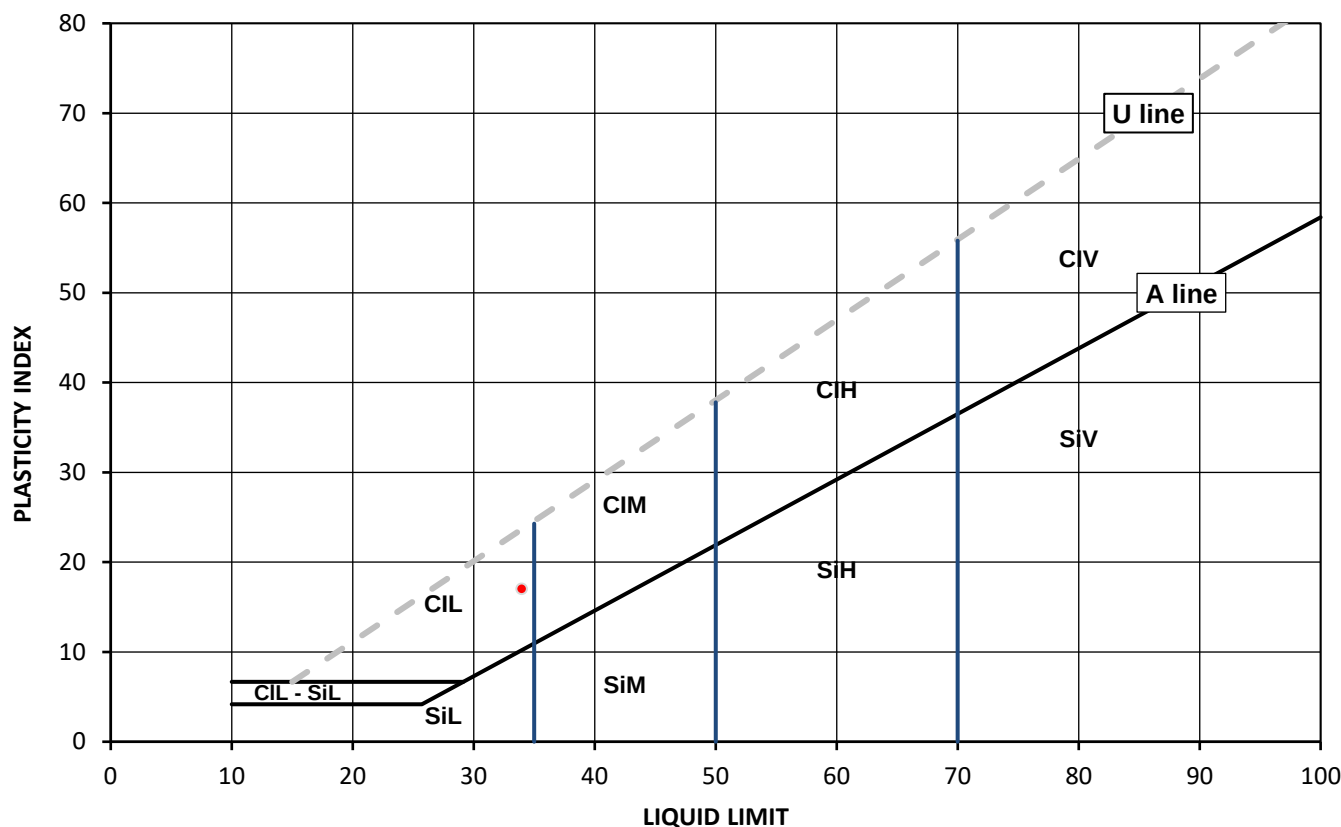
### Test Results:

Laboratory Reference: 2397662  
Hole No.: WS203  
Sample Reference: Not Given  
Sample Description: Brown very sandy CLAY

Depth Top [m]: 2.50  
Depth Base [m]: Not Given  
Sample Type: D

Sample Preparation: Tested in natural condition

| As Received Water Content [ W ] % | Liquid Limit [ WL ] % | Plastic Limit [ Wp ] % | Plasticity Index [ Ip ] % | % Passing 425µm BS Test Sieve |
|-----------------------------------|-----------------------|------------------------|---------------------------|-------------------------------|
| 15                                | 34                    | 17                     | 17                        | 100                           |



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

|    |      |            |   |           |              |                                                           |
|----|------|------------|---|-----------|--------------|-----------------------------------------------------------|
| Cl | Clay | Plasticity | L | Low       | Liquid Limit | below 35                                                  |
| Si | Silt |            | M | Medium    |              | 35 to 50                                                  |
|    |      |            | H | High      |              | 50 to 70                                                  |
|    |      |            | V | Very high |              | exceeding 70                                              |
|    |      |            | O | Organic   |              | append to classification for organic material ( eg CIHO ) |

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Remarks: Replaces Analytical Report Number 22-79461, issue no 1;

Signed:

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for and on behalf of i2 Analytical Ltd

# TEST CERTIFICATE

## DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS 1377-2:1990: Clause 4.4 and 5

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB

Client: ROC Consulting Ltd  
Client Address: Commercial Wharf, 6 Commercial Street,  
Castlefield, Manchester,  
M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 30/08/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

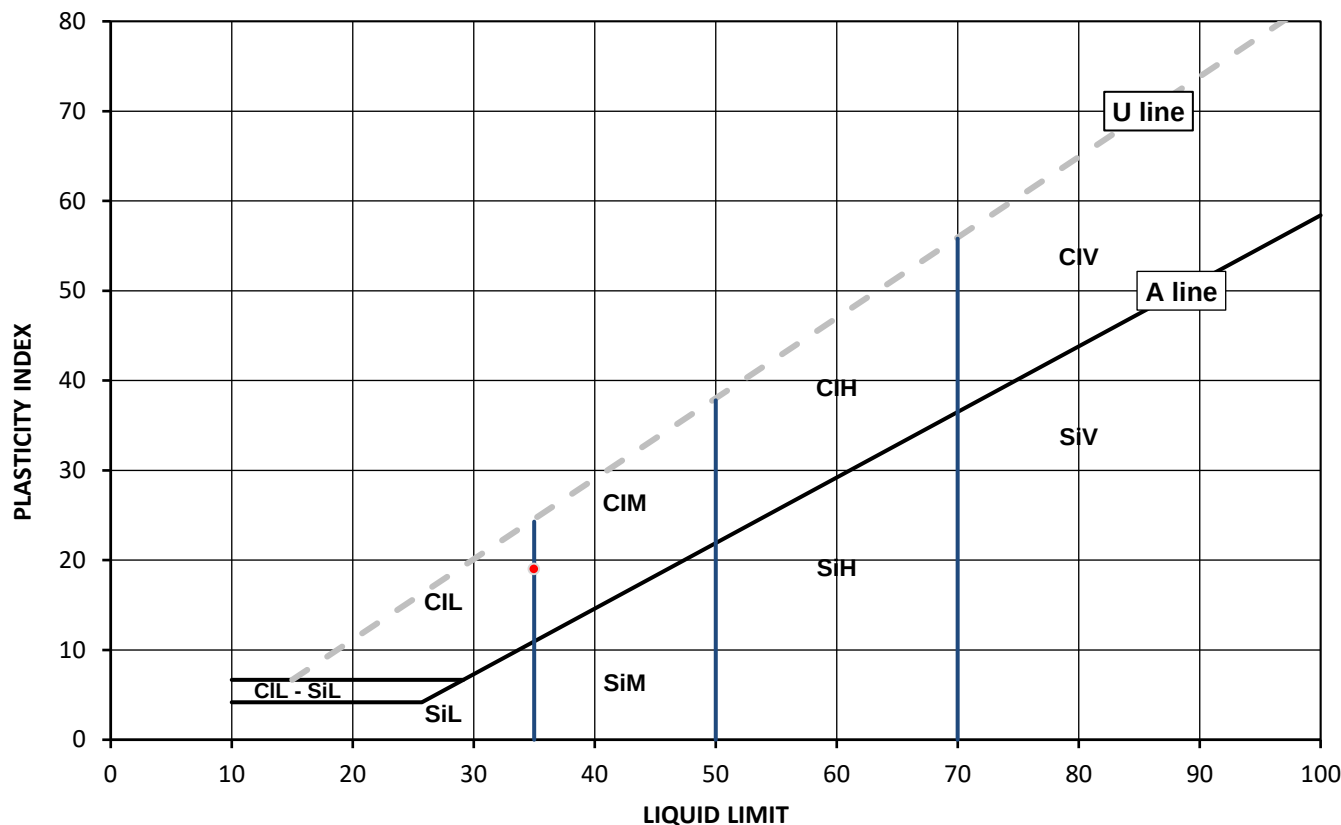
### Test Results:

Laboratory Reference: 2397663  
Hole No.: TP213  
Sample Reference: Not Given  
Sample Description: Brownish grey slightly gravelly sandy CLAY

Depth Top [m]: 1.20  
Depth Base [m]: Not Given  
Sample Type: D

Sample Preparation: Tested after >425um removed by hand

| As Received Water Content [ W ] % | Liquid Limit [ WL ] % | Plastic Limit [ Wp ] % | Plasticity Index [ Ip ] % | % Passing 425µm BS Test Sieve |
|-----------------------------------|-----------------------|------------------------|---------------------------|-------------------------------|
| 18                                | 35                    | 16                     | 19                        | 96                            |



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

|    | Plasticity  | Liquid Limit                                              |
|----|-------------|-----------------------------------------------------------|
| Cl | Clay        | below 35                                                  |
| Si | Silt        | 35 to 50                                                  |
|    | L Low       | 50 to 70                                                  |
|    | M Medium    | exceeding 70                                              |
|    | H High      |                                                           |
|    | V Very high |                                                           |
|    | O Organic   | append to classification for organic material ( eg CIHO ) |

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Remarks: Replaces Analytical Report Number 22-79461, issue no 1;

Signed:

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for and on behalf of i2 Analytical Ltd

# TEST CERTIFICATE

## DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS 1377-2:1990: Clause 4.4 and 5

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB

Client: ROC Consulting Ltd  
Client Address: Commercial Wharf, 6 Commercial Street,  
Castlefield, Manchester,  
M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 30/08/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

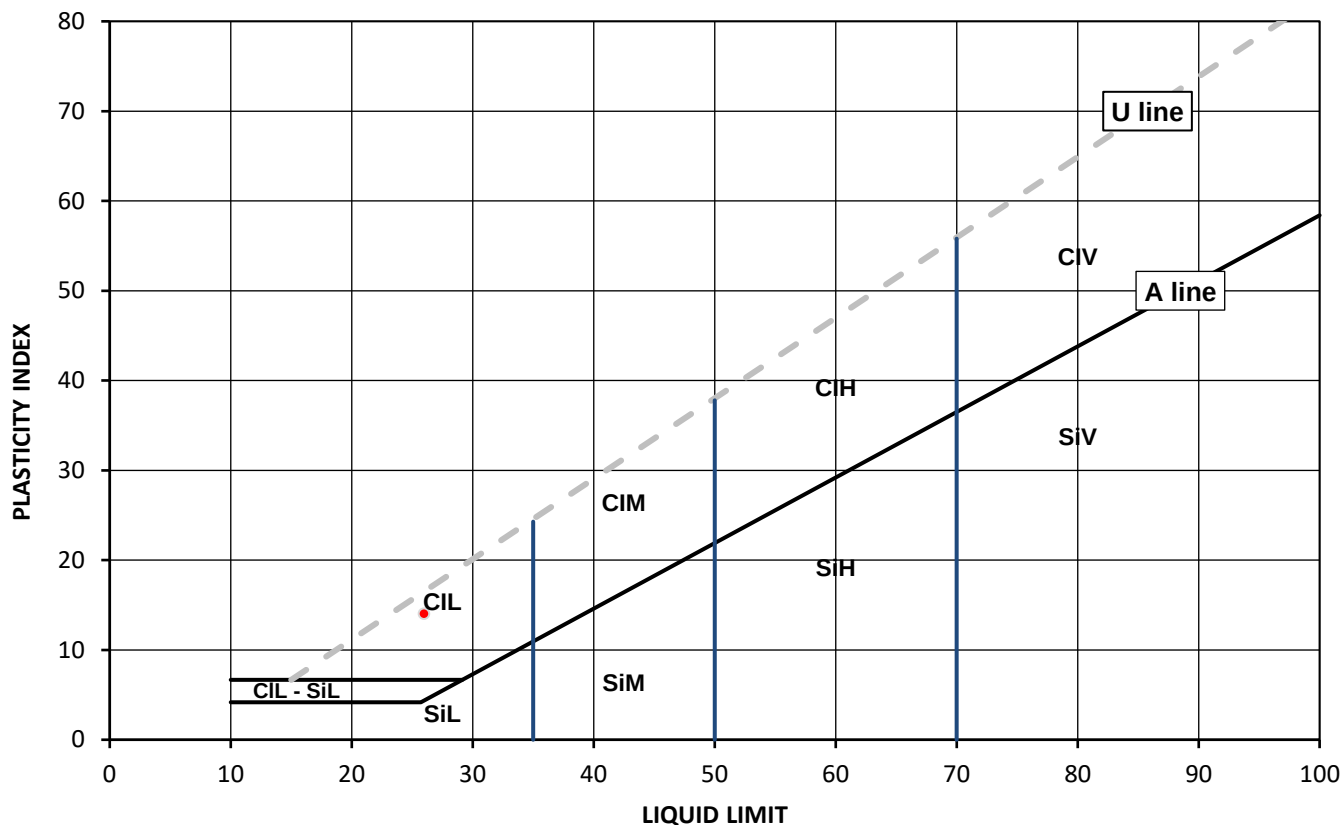
### Test Results:

Laboratory Reference: 2397664  
Hole No.: TP219  
Sample Reference: Not Given  
Sample Description: Brown slightly gravelly very sandy CLAY

Depth Top [m]: 2.00  
Depth Base [m]: Not Given  
Sample Type: D

Sample Preparation: Tested after >425um removed by hand

| As Received Water Content [ W ] % | Liquid Limit [ WL ] % | Plastic Limit [ Wp ] % | Plasticity Index [ Ip ] % | % Passing 425µm BS Test Sieve |
|-----------------------------------|-----------------------|------------------------|---------------------------|-------------------------------|
| 4.8                               | 26                    | 12                     | 14                        | 97                            |



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

|    | Plasticity  | Liquid Limit                                              |
|----|-------------|-----------------------------------------------------------|
| Cl | Clay        | below 35                                                  |
| Si | Silt        | 35 to 50                                                  |
|    | L Low       | 50 to 70                                                  |
|    | M Medium    | exceeding 70                                              |
|    | H High      | append to classification for organic material ( eg CIHO ) |
|    | V Very high |                                                           |
|    | O Organic   |                                                           |

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Remarks: Replaces Analytical Report Number 22-79461, issue no 1;

Signed:

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for and on behalf of i2 Analytical Ltd

# TEST CERTIFICATE

## DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS 1377-2:1990: Clause 4.4 and 5

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB

Client: ROC Consulting Ltd  
Client Address: Commercial Wharf, 6 Commercial Street,  
Castlefield, Manchester,  
M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 30/08/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

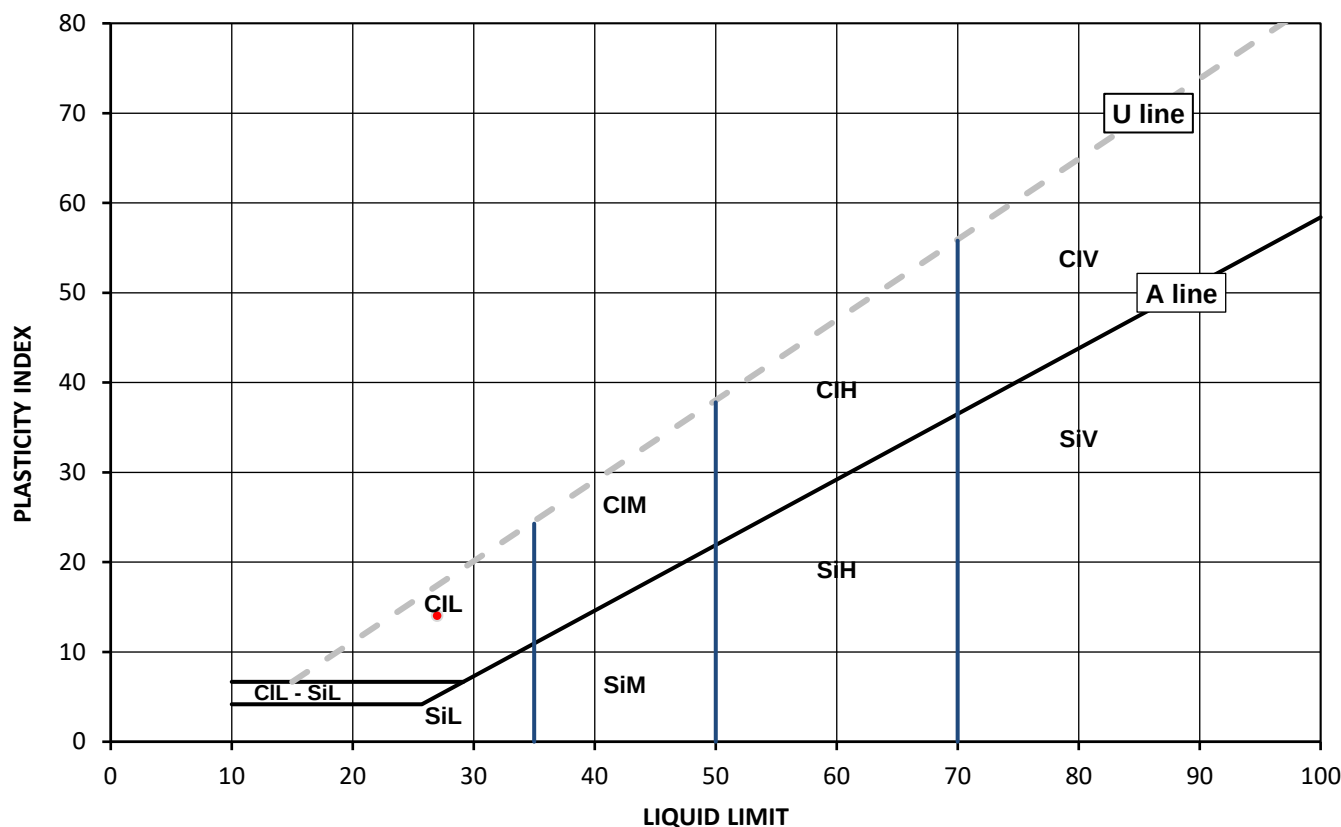
### Test Results:

Laboratory Reference: 2397665  
Hole No.: TP215  
Sample Reference: Not Given  
Sample Description: Brown slightly gravelly very sandy CLAY

Depth Top [m]: 2.50  
Depth Base [m]: Not Given  
Sample Type: D

Sample Preparation: Tested after >425um removed by hand

| As Received Water Content [ W ] % | Liquid Limit [ WL ] % | Plastic Limit [ Wp ] % | Plasticity Index [ Ip ] % | % Passing 425µm BS Test Sieve |
|-----------------------------------|-----------------------|------------------------|---------------------------|-------------------------------|
| 16                                | 27                    | 13                     | 14                        | 99                            |



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

|    | Plasticity | Liquid Limit                                              |
|----|------------|-----------------------------------------------------------|
| Cl | Clay       | below 35                                                  |
| Si | Silt       | 35 to 50                                                  |
|    | L          | Low                                                       |
|    | M          | Medium                                                    |
|    | H          | High                                                      |
|    | V          | Very high                                                 |
|    | O          | Organic                                                   |
|    |            | append to classification for organic material ( eg CIHO ) |

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Remarks: Replaces Analytical Report Number 22-79461, issue no 1;

Signed:

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for and on behalf of i2 Analytical Ltd



4041

Client: ROC Consulting Ltd  
 Client Address: Commercial Wharf, 6 Commercial Street,  
 Castlefield, Manchester,  
 M15 4PZ  
 Contact: Reece McGuinness  
 Site Address: Plots NT02-NT04

## SUMMARY REPORT

### SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

Water Content by BS 1377-2:1990: Clause 3.2; Atterberg by BS 1377-2: 1990:  
 Clause 4.3 (4 Point Test), Clause 4.4 (1 Point Test) and 5; PD by BS 1377-2:  
 1990: Clause 8.2

i2 Analytical Ltd  
 Unit 8 Harrowden Road  
 Brackmills Industrial Estate  
 Northampton NN4 7EB



Environmental Science

Client Reference: 4328  
 Job Number: 22-79461  
 Date Sampled: Not Given  
 Date Received: 19/08/2022  
 Date Tested: 30/08 - 31/08/2022  
 Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

### Test results

| Laboratory Reference | Hole No. | Sample    |                   |                    |      | Description                                | Remarks           | Water Content<br>BS 1377-2 [ W ]<br>% | Water Content<br>BS EN ISO 17892-1<br>[ W ]<br>% | Atterberg                  |         |         |         | Density       |              |             | Total<br>Porosity#<br>% |  |  |
|----------------------|----------|-----------|-------------------|--------------------|------|--------------------------------------------|-------------------|---------------------------------------|--------------------------------------------------|----------------------------|---------|---------|---------|---------------|--------------|-------------|-------------------------|--|--|
|                      |          | Reference | Depth<br>Top<br>m | Depth<br>Base<br>m | Type |                                            |                   |                                       |                                                  | %<br>Passing<br>425um<br>% | WL<br>% | Wp<br>% | Ip<br>% | bulk<br>Mg/m3 | dry<br>Mg/m3 | PD<br>Mg/m3 |                         |  |  |
| 2397663              | TP213    | Not Given | 1.20              | Not Given          | D    | Brownish grey slightly gravelly sandy CLAY | Atterberg 1 Point | 18                                    |                                                  | 96                         | 35      | 16      | 19      |               |              |             |                         |  |  |
| 2397665              | TP215    | Not Given | 2.50              | Not Given          | D    | Brown slightly gravelly very sandy CLAY    | Atterberg 1 Point | 16                                    |                                                  | 99                         | 27      | 13      | 14      |               |              |             |                         |  |  |
| 2397664              | TP219    | Not Given | 2.00              | Not Given          | D    | Brown slightly gravelly very sandy CLAY    | Atterberg 1 Point | 4.8                                   |                                                  | 97                         | 26      | 12      | 14      |               |              |             |                         |  |  |
| 2397662              | WS203    | Not Given | 2.50              | Not Given          | D    | Brown very sandy CLAY                      | Atterberg 1 Point | 15                                    |                                                  | 100                        | 34      | 17      | 17      |               |              |             |                         |  |  |
| 2397661              | WS209    | Not Given | 3.00              | Not Given          | D    | Brown slightly gravelly sandy CLAY         | Atterberg 1 Point | 17                                    |                                                  | 98                         | 41      | 17      | 24      |               |              |             |                         |  |  |
|                      |          |           |                   |                    |      |                                            |                   |                                       |                                                  |                            |         |         |         |               |              |             |                         |  |  |
|                      |          |           |                   |                    |      |                                            |                   |                                       |                                                  |                            |         |         |         |               |              |             |                         |  |  |
|                      |          |           |                   |                    |      |                                            |                   |                                       |                                                  |                            |         |         |         |               |              |             |                         |  |  |
|                      |          |           |                   |                    |      |                                            |                   |                                       |                                                  |                            |         |         |         |               |              |             |                         |  |  |
|                      |          |           |                   |                    |      |                                            |                   |                                       |                                                  |                            |         |         |         |               |              |             |                         |  |  |

Note: # Non accredited; NP - Non plastic

Comments: Replaces Analytical Report Number 22-79461, issue no 1;

Signed:

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for and on behalf of i2 Analytical Ltd



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Client: ROC Consulting Ltd  
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 Castlefield, Manchester,  
 M15 4PZ  
 Contact: Reece McGuinness  
 Site Address: Plots NT02-NT04

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

## SUMMARY REPORT

### DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS 1377-2: 1990: Clause 3.2

i2 Analytical Ltd  
 Unit 8 Harrowden Road  
 Brackmills Industrial Estate  
 Northampton NN4 7EB



Environmental Science

Client Reference: 4328  
 Job Number: 22-79461  
 Date Sampled: Not Given  
 Date Received: 19/08/2022  
 Date Tested: 30/08 - 31/08/2022  
 Sampled By: Client - RM

### Test results

| Laboratory Reference | Hole No. | Sample    |                |                 |      | Description                                | Remarks | WC  | Sample preparation / Oven temperature at the time of testing |  |  |  |
|----------------------|----------|-----------|----------------|-----------------|------|--------------------------------------------|---------|-----|--------------------------------------------------------------|--|--|--|
|                      |          | Reference | Depth Top<br>m | Depth Base<br>m | Type |                                            |         |     |                                                              |  |  |  |
| 2397663              | TP213    | Not Given | 1.20           | Not Given       | D    | Brownish grey slightly gravelly sandy CLAY |         | 18  | Sample was quartered, oven dried at 106.1 °C                 |  |  |  |
| 2397665              | TP215    | Not Given | 2.50           | Not Given       | D    | Brown slightly gravelly very sandy CLAY    |         | 16  | Sample was quartered, oven dried at 106.1 °C                 |  |  |  |
| 2397664              | TP219    | Not Given | 2.00           | Not Given       | D    | Brown slightly gravelly very sandy CLAY    |         | 4.8 | Sample was quartered, oven dried at 106 °C                   |  |  |  |
| 2397662              | WS203    | Not Given | 2.50           | Not Given       | D    | Brown very sandy CLAY                      |         | 15  | Sample was quartered, oven dried at 106 °C                   |  |  |  |
| 2397661              | WS209    | Not Given | 3.00           | Not Given       | D    | Brown slightly gravelly sandy CLAY         |         | 17  | Sample was quartered, oven dried at 106.1 °C                 |  |  |  |
|                      |          |           |                |                 |      |                                            |         |     |                                                              |  |  |  |
|                      |          |           |                |                 |      |                                            |         |     |                                                              |  |  |  |
|                      |          |           |                |                 |      |                                            |         |     |                                                              |  |  |  |
|                      |          |           |                |                 |      |                                            |         |     |                                                              |  |  |  |
|                      |          |           |                |                 |      |                                            |         |     |                                                              |  |  |  |

Comments: Replaces Analytical Report Number 22-79461, issue no 1;

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for and on behalf of i2 Analytical Ltd



# SUMMARY REPORT

## DETERMINATION OF POINT LOAD STRENGTH

Tested in Accordance with: ISRM: 2007, pages 125-132

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB



4041

Client: ROC Consulting Ltd  
Client Address: Commercial Wharf, 6 Commercial Street,  
Castlefield, Manchester,  
M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 08/09/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

### Test results

| Laboratory Reference | Hole No. | Sample    |                |                 |      | Description              | Remarks #<br>(including water content if measured) | Specimen Reference | Test Type<br>see ISRM |                          | Failure Valid<br>(Y/N) | Dimensions |         |           |            | Force P<br>kN | Equivalent diameter, De<br>mm | Point Load Strength Index |               |
|----------------------|----------|-----------|----------------|-----------------|------|--------------------------|----------------------------------------------------|--------------------|-----------------------|--------------------------|------------------------|------------|---------|-----------|------------|---------------|-------------------------------|---------------------------|---------------|
|                      |          | Reference | Depth Top<br>m | Depth Base<br>m | Type |                          |                                                    |                    | Type<br>(D, A, I, B)  | Direction<br>(L, P or U) |                        | Lne<br>mm  | W<br>mm | Dps<br>mm | Dps'<br>mm |               |                               | Is<br>MPa                 | Is(50)<br>MPa |
| 2397628              | RBH201   | Not Given | 12.30          | 12.41           | C    | Reddish brown silty CLAY | WC = 16.2%                                         | 1                  | A                     | U                        | YES                    | -          | 86.4    | 49.0      | 39.0       | 0.3           | 65.5                          | 0.06                      | 0.07          |
| 2397629              | RBH201   | Not Given | 15.90          | 16.02           | C    | Reddish brown silty CLAY | WC = 15.3%                                         | 1                  | A                     | U                        | YES                    | -          | 84.2    | 43.0      | 37.0       | 0.2           | 63.0                          | 0.04                      | 0.04          |
| 2397631              | RBH201   | Not Given | 20.18          | 20.38           | C    | Reddish brown SILTSTONE  | WC = 7.8%                                          | 1                  | D                     | U                        | YES                    | 106.8      | 86.4    | 85.0      | 81.0       | 2.6           | 83.7                          | 0.37                      | 0.47          |
| 2397632              | RBH201   | Not Given | 23.06          | 23.23           | C    | Reddish brown silty CLAY | WC = 20.5%                                         | 1                  | A                     | U                        | YES                    | -          | 81.3    | 51.0      | 42.0       | 0.2           | 65.9                          | 0.05                      | 0.05          |
| 2397633              | RBH201   | Not Given | 24.23          | 24.40           | C    | Reddish brown SILTSTONE  | WC = 5.2%                                          | 1                  | D                     | U                        | YES                    | 88.4       | 86.4    | 85.0      | 81.0       | 2.5           | 83.7                          | 0.35                      | 0.44          |
| 2397620              | RBH202   | Not Given | 11.33          | 11.39           | C    | Reddish brown silty CLAY | WC = 16.1%                                         | 1                  | A                     | U                        | YES                    | -          | 84.2    | 50.0      | 37.0       | 0.2           | 63.0                          | 0.04                      | 0.04          |
| 2397621              | RBH202   | Not Given | 12.59          | 12.64           | C    | Reddish brown silty CLAY | WC = 13.1%                                         | 1                  | A                     | U                        | YES                    | -          | 83.7    | 45.0      | 39.0       | 0.2           | 64.5                          | 0.04                      | 0.04          |
| 2397623              | RBH202   | Not Given | 14.45          | 14.53           | C    | Light brown SILTSTONE    | WC = 1.7%                                          | 1                  | A                     | U                        | YES                    | -          | 89.0    | 68.0      | 52.0       | 6.9           | 76.8                          | 1.17                      | 1.42          |
| 2397624              | RBH202   | Not Given | 15.32          | 15.42           | C    | Light brown SILTSTONE    | WC = 7.3%                                          | 1                  | D                     | U                        | YES                    | 57.5       | 86.0    | 83.0      | 79.0       | 0.2           | 82.4                          | 0.03                      | 0.04          |
| 2397625              | RBH202   | Not Given | 17.64          | 17.71           | C    | Light brown SILTSTONE    | WC = 4.4%                                          | 1                  | I                     | U                        | YES                    | 33.7       | 86.6    | 64.0      | 60.0       | 0.6           | 81.3                          | 0.08                      | 0.10          |

Note: # non accredited; Test Type: D - Diametral, A - Axial, I - Irregular Lump, B - Block; Direction: L - parallel to planes of weakness, P - perpendicular to planes of weakness, U - unknown or random;  
Dimensions: Dps - Distance between platens ( platen separation ), Dps' - at failure ( see ISRM note 6), Lne - Length from platens to nearest free end W - Width of shortest dimension perpendicular to load, P;  
Detailed legend for test and dimensions, based on ISRM, is shown above; Size factor, F = (De/50)0.45 for all tests

Comments: Replaces Analytical Report Number 22-79461, issue no 1; Additional results of PL

Signed:

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for and on behalf of i2 Analytical Ltd



# SUMMARY REPORT

## DETERMINATION OF POINT LOAD STRENGTH

Tested in Accordance with: ISRM: 2007, pages 125-132

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB



4041

Client: ROC Consulting Ltd  
Client Address: Commercial Wharf, 6 Commercial Street,  
Castlefield, Manchester,  
M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 08/09/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

### Test results

| Laboratory Reference | Hole No. | Sample    |                |                 |      | Description              | Remarks #<br>(including water content if measured) | Specimen Reference | Test Type<br>see ISRM |                          | Failure Valid<br>(Y/N) | Dimensions |         |           |            | Force P<br>kN | Equivalent diameter, De<br>mm | Point Load Strength Index |               |
|----------------------|----------|-----------|----------------|-----------------|------|--------------------------|----------------------------------------------------|--------------------|-----------------------|--------------------------|------------------------|------------|---------|-----------|------------|---------------|-------------------------------|---------------------------|---------------|
|                      |          | Reference | Depth Top<br>m | Depth Base<br>m | Type |                          |                                                    |                    | Type<br>(D, A, I, B)  | Direction<br>(L, P or U) |                        | Lne<br>mm  | W<br>mm | Dps<br>mm | Dps'<br>mm |               |                               | Is<br>MPa                 | Is(50)<br>MPa |
| 2397626              | RBH202   | Not Given | 20.22          | 20.35           | C    | Reddish brown SILTSTONE  | WC = 6.6%                                          | 1                  | D                     | U                        | YES                    | 118.1      | 86.1    | 84.0      | 81.0       | 2.4           | 83.5                          | 0.34                      | 0.43          |
| 2397640              | RBH203   | Not Given | 8.69           | 8.79            | C    | Reddish brown SILTSTONE  | WC = 7.8%                                          | 1                  | D                     | U                        | YES                    | 58.0       | 87.9    | 82.0      | 80.0       | 0.1           | 83.9                          | 0.01                      | 0.02          |
| 2397641              | RBH203   | Not Given | 15.95          | 16.08           | C    | Reddish brown silty CLAY | WC = 12.4%                                         | 1                  | A                     | U                        | YES                    | -          | 80.7    | 39.0      | 34.0       | 0.1           | 59.1                          | 0.03                      | 0.03          |
| 2397642              | RBH203   | Not Given | 16.69          | 16.84           | C    | Reddish brown silty CLAY | WC = 18.0%                                         | 1                  | I                     | U                        | YES                    | 28.4       | 52.6    | 30.0      | 27.0       | 2.3           | 42.5                          | 1.27                      | 1.18          |
| 2397643              | RBH203   | Not Given | 17.24          | 17.48           | C    | Reddish brown silty CLAY | WC = 12.9%                                         | 1                  | I                     | U                        | YES                    | 24.9       | 51.0    | 28.0      | 24.0       | 1.2           | 39.5                          | 0.74                      | 0.66          |
| 2397658              | RBH205   | Not Given | 9.57           | 9.64            | C    | Reddish brown SILTSTONE  | WC = 7.5%                                          | 1                  | A                     | U                        | YES                    | -          | 84.8    | 66.0      | 42.0       | 1.5           | 67.3                          | 0.33                      | 0.38          |
| 2397659              | RBH205   | Not Given | 14.64          | 14.74           | C    | Reddish brown SILTSTONE  | WC = 5.6%                                          | 1                  | D                     | U                        | YES                    | 50.7       | 85.3    | 86.0      | 79.0       | 2.1           | 82.1                          | 0.30                      | 0.38          |
| 2397660              | RBH205   | Not Given | 15.57          | 15.77           | C    | Reddish brown SILTSTONE  | WC = 9.6%                                          | 1                  | I                     | U                        | YES                    | 31.2       | 65.4    | 28.0      | 23.0       | 2.5           | 43.8                          | 1.28                      | 1.20          |
| 2397611              | RBH206   | Not Given | 7.65           | 7.75            | C    | Light brown SILTSTONE    | WC = 3.7%                                          | 1                  | I                     | U                        | YES                    | 65.0       | 90.4    | 67.0      | 64.0       | 1.1           | 85.8                          | 0.15                      | 0.19          |
| 2397612              | RBH206   | Not Given | 8.30           | 8.42            | C    | Reddish brown SILTSTONE  | WC = 4.4%                                          | 1                  | D                     | U                        | YES                    | 62.3       | 89.9    | 89.0      | 84.0       | 0.4           | 86.9                          | 0.05                      | 0.07          |

Note: # non accredited; Test Type: D - Diametral, A - Axial, I - Irregular Lump, B - Block; Direction: L - parallel to planes of weakness, P - perpendicular to planes of weakness, U - unknown or random;  
Dimensions: Dps - Distance between platens ( platen separation ), Dps' - at failure ( see ISRM note 6), Lne - Length from platens to nearest free end W - Width of shortest dimension perpendicular to load, P;  
Detailed legend for test and dimensions, based on ISRM, is shown above; Size factor, F = (De/50)0.45 for all tests

Comments: Replaces Analytical Report Number 22-79461, issue no 1; Additional results of PL

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for and on behalf of i2 Analytical Ltd



# SUMMARY REPORT

## DETERMINATION OF POINT LOAD STRENGTH

Tested in Accordance with: ISRM: 2007, pages 125-132

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB



4041

Client: ROC Consulting Ltd  
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M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 08/09/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

### Test results

| Laboratory Reference | Hole No. | Sample    |                |                 |      | Description              | Remarks #<br>(including water content if measured) | Specimen Reference | Test Type<br>see ISRM |                          | Failure Valid<br>(Y/N) | Dimensions |         |           |            | Force P<br>kN | Equivalent diameter, De<br>mm | Point Load Strength Index |               |
|----------------------|----------|-----------|----------------|-----------------|------|--------------------------|----------------------------------------------------|--------------------|-----------------------|--------------------------|------------------------|------------|---------|-----------|------------|---------------|-------------------------------|---------------------------|---------------|
|                      |          | Reference | Depth Top<br>m | Depth Base<br>m | Type |                          |                                                    |                    | Type<br>(D, A, I, B)  | Direction<br>(L, P or U) |                        | Lne<br>mm  | W<br>mm | Dps<br>mm | Dps'<br>mm |               |                               | Is<br>MPa                 | Is(50)<br>MPa |
| 2397614              | RBH206   | Not Given | 14.24          | 14.29           | C    | Reddish brown SILTSTONE  | WC = 3.5%                                          | 1                  | A                     | U                        | YES                    | -          | 83.6    | 46.0      | 38.0       | 3.7           | 63.6                          | 0.90                      | 1.01          |
| 2397615              | RBH206   | Not Given | 15.12          | 15.36           | C    | Reddish brown SILTSTONE  | WC = 4.4%                                          | 1                  | D                     | U                        | YES                    | 123.3      | 89.8    | 89.0      | 63.0       | 3.7           | 75.2                          | 0.65                      | 0.78          |
| 2397617              | RBH206   | Not Given | 16.96          | 17.04           | C    | Reddish brown SILTSTONE  | WC = 5.3%                                          | 1                  | A                     | U                        | YES                    | -          | 87.0    | 80.0      | 53.0       | 3.2           | 76.6                          | 0.54                      | 0.66          |
| 2397618              | RBH206   | Not Given | 20.10          | 20.15           | C    | Reddish brown SILTSTONE  | WC = 5.9%                                          | 1                  | A                     | U                        | YES                    | -          | 86.9    | 50.0      | 36.0       | 2.4           | 63.1                          | 0.59                      | 0.66          |
| 2397667              | RBH206   | Not Given | 22.50          | 22.64           | C    | Reddish brown silty CLAY | WC = 18.7%                                         | 1                  | A                     | U                        | YES                    | -          | 81.8    | 42.0      | 36.0       | 0.3           | 61.2                          | 0.07                      | 0.07          |
| 2397639              | RBH207   | Not Given | 5.34           | 5.40            | C    | Reddish brown SILTSTONE  | WC = 4.3%                                          | 1                  | A                     | U                        | YES                    | -          | 84.5    | 49.0      | 45.0       | 0.4           | 69.6                          | 0.08                      | 0.10          |
| 2397634              | RBH207   | Not Given | 6.50           | 6.68            | C    | Reddish brown silty CLAY | WC = 17.4%                                         | 1                  | D                     | U                        | YES                    | 52.3       | 81.2    | 81.0      | 73.0       | 0.1           | 77.0                          | 0.02                      | 0.02          |
| 2397635              | RBH207   | Not Given | 10.74          | 10.84           | C    | Reddish brown silty CLAY | WC = 18.8%                                         | 1                  | A                     | U                        | YES                    | -          | 82.4    | 49.0      | 46.0       | 0.1           | 69.5                          | 0.02                      | 0.02          |
| 2397636              | RBH207   | Not Given | 11.37          | 11.53           | C    | Reddish brown silty CLAY | WC = 14.1%                                         | 1                  | I                     | U                        | YES                    | 36.0       | 69.0    | 42.0      | 35.0       | 3.2           | 55.5                          | 1.02                      | 1.07          |
| 2397637              | RBH207   | Not Given | 15.13          | 15.23           | C    | Reddish brown silty CLAY | WC = 13.1%                                         | 1                  | A                     | U                        | YES                    | -          | 80.5    | 41.0      | 35.0       | 0.2           | 59.9                          | 0.06                      | 0.06          |

Note: # non accredited; Test Type: D - Diametral, A - Axial, I - Irregular Lump, B - Block; Direction: L - parallel to planes of weakness, P - perpendicular to planes of weakness, U - unknown or random;  
Dimensions: Dps - Distance between platens ( platen separation ), Dps' - at failure ( see ISRM note 6), Lne - Length from platens to nearest free end W - Width of shortest dimension perpendicular to load, P;  
Detailed legend for test and dimensions, based on ISRM, is shown above; Size factor, F = (De/50)0.45 for all tests

Comments: Replaces Analytical Report Number 22-79461, issue no 1; Additional results of PL

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 M15 4PZ  
 Contact: Reece McGuinness  
 Site Address: Plots NT02-NT04

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

## SUMMARY REPORT

### DETERMINATION OF POINT LOAD STRENGTH

Tested in Accordance with: ISRM: 2007, pages 125-132

i2 Analytical Ltd  
 Unit 8 Harrowden Road  
 Brackmills Industrial Estate  
 Northampton NN4 7EB



Environmental Science

Client Reference: 4328  
 Job Number: 22-79461  
 Date Sampled: Not Given  
 Date Received: 19/08/2022  
 Date Tested: 08/09/2022  
 Sampled By: Client - RM

### Test results

| Laboratory Reference | Hole No. | Sample    |                |                 |      | Description              | Remarks #<br>(including water content if measured) | Specimen Reference | Test Type<br>see ISRM |                          | Failure Valid<br>(Y/N) | Dimensions |         |           |            | Force P<br>kN | Equivalent diameter, De<br>mm | Point Load Strength Index |               |
|----------------------|----------|-----------|----------------|-----------------|------|--------------------------|----------------------------------------------------|--------------------|-----------------------|--------------------------|------------------------|------------|---------|-----------|------------|---------------|-------------------------------|---------------------------|---------------|
|                      |          | Reference | Depth Top<br>m | Depth Base<br>m | Type |                          |                                                    |                    | Type<br>(D, A, I, B)  | Direction<br>(L, P or U) |                        | Lne<br>mm  | W<br>mm | Dps<br>mm | Dps'<br>mm |               |                               | Is<br>MPa                 | Is(50)<br>MPa |
| 2397638              | RBH207   | Not Given | 16.59          | 16.71           | C    | Reddish brown silty CLAY | WC = 14.2%                                         | 1                  | A                     | U                        | YES                    | -          | 82.0    | 47.0      | 41.0       | 0.2           | 65.4                          | 0.04                      | 0.04          |
| 2397651              | RBH208   | Not Given | 13.85          | 13.93           | C    | Grey SILTSTONE           | WC = 6.8%                                          | 1                  | D                     | U                        | YES                    | 63.9       | 85.8    | 86.0      | 83.0       | 0.5           | 84.4                          | 0.07                      | 0.09          |
| 2397652              | RBH208   | Not Given | 15.80          | 15.93           | C    | Reddish brown SILTSTONE  | WC = 6.8%                                          | 1                  | I                     | U                        | YES                    | 87.3       | 86.2    | 74.0      | 67.0       | 1.8           | 85.7                          | 0.24                      | 0.30          |
| 2397653              | RBH208   | Not Given | 16.95          | 17.10           | C    | Reddish brown SILTSTONE  | WC = 4.7%                                          | 1                  | D                     | U                        | YES                    | 78.5       | 84.6    | 84.0      | 80.0       | 3.6           | 82.3                          | 0.53                      | 0.67          |
| 2397655              | RBH208   | Not Given | 19.10          | 19.21           | C    | Reddish brown SILTSTONE  | WC = 6.7%                                          | 1                  | D                     | U                        | YES                    | 47.5       | 84.5    | 83.0      | 80.0       | 1.5           | 82.2                          | 0.22                      | 0.28          |
| 2397656              | RBH208   | Not Given | 20.22          | 20.32           | C    | Reddish brown SILTSTONE  | WC = 6.3%                                          | 1                  | D                     | U                        | YES                    | 57.1       | 85.5    | 84.0      | 81.0       | 2.9           | 83.2                          | 0.42                      | 0.53          |
| 2397657              | RBH208   | Not Given | 23.19          | 23.29           | C    | Reddish brown SILTSTONE  | WC = 5.1%                                          | 1                  | D                     | U                        | YES                    | 62.4       | 83.2    | 83.8      | 79.0       | 0.6           | 81.1                          | 0.08                      | 0.10          |
| 2397608              | RBH209   | Not Given | 13.13          | 13.20           | C    | Reddish brown silty CLAY | WC = 17.3%                                         | 1                  | A                     | U                        | YES                    | -          | 80.9    | 37.0      | 31.0       | 0.2           | 56.5                          | 0.06                      | 0.07          |
| 2397607              | RBH209   | Not Given | 13.93          | 14.07           | C    | Reddish brown silty CLAY | WC = 17.6%                                         | 1                  | A                     | U                        | YES                    | -          | 81.6    | 46.0      | 39.0       | 0.5           | 63.6                          | 0.11                      | 0.12          |
| 2397609              | RBH209   | Not Given | 15.43          | 15.57           | C    | Reddish brown SILTSTONE  | WC = 8.6%                                          | 1                  | I                     | U                        | YES                    | 42.3       | 81.2    | 45.0      | 40.0       | 3.3           | 64.3                          | 0.79                      | 0.88          |

Note: # non accredited; Test Type: D - Diametral, A - Axial, I - Irregular Lump, B - Block; Direction: L - parallel to planes of weakness, P - perpendicular to planes of weakness, U - unknown or random;  
 Dimensions: Dps - Distance between platens ( platen separation ), Dps' - at failure ( see ISRM note 6), Lne - Length from platens to nearest free end W - Width of shortest dimension perpendicular to load, P;  
 Detailed legend for test and dimensions, based on ISRM, is shown above; Size factor, F = (De/50)0.45 for all tests

Comments: Replaces Analytical Report Number 22-79461, issue no 1; Additional results of PL

Signed:

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for and on behalf of i2 Analytical Ltd



# SUMMARY REPORT

## DETERMINATION OF POINT LOAD STRENGTH

Tested in Accordance with: ISRM: 2007, pages 125-132

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB



4041

Client: ROC Consulting Ltd  
Client Address: Commercial Wharf, 6 Commercial Street,  
Castlefield, Manchester,  
M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 08/09/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

### Test results

| Laboratory Reference | Hole No. | Sample    |                |                 |      | Description              | Remarks #<br>(including water content if measured) | Specimen Reference | Test Type<br>see ISRM |                          | Failure Valid<br>(Y/N) | Dimensions |         |           |            | Force P<br>kN | Equivalent diameter, De<br>mm | Point Load Strength Index |               |
|----------------------|----------|-----------|----------------|-----------------|------|--------------------------|----------------------------------------------------|--------------------|-----------------------|--------------------------|------------------------|------------|---------|-----------|------------|---------------|-------------------------------|---------------------------|---------------|
|                      |          | Reference | Depth Top<br>m | Depth Base<br>m | Type |                          |                                                    |                    | Type<br>(D, A, I, B)  | Direction<br>(L, P or U) |                        | Lne<br>mm  | W<br>mm | Dps<br>mm | Dps'<br>mm |               |                               | Is<br>MPa                 | Is(50)<br>MPa |
| 2397610              | RBH209   | Not Given | 17.15          | 17.20           | C    | Reddish brown SILTSTONE  | WC = 5.4%                                          | 1                  | A                     | U                        | YES                    | -          | 81.5    | 52.0      | 48.0       | 1.2           | 70.6                          | 0.24                      | 0.28          |
| 2397644              | RBH210   | Not Given | 9.52           | 9.77            | C    | Reddish brown silty CLAY | WC = 14.7%                                         | 1                  | I                     | U                        | YES                    | 29.8       | 61.5    | 31.0      | 25.0       | 0.9           | 44.2                          | 0.46                      | 0.44          |
| 2397645              | RBH210   | Not Given | 10.95          | 11.15           | C    | Reddish brown silty CLAY | WC = 12.5%                                         | 1                  | A                     | U                        | YES                    | -          | 82.4    | 44.0      | 40.0       | 0.2           | 64.8                          | 0.04                      | 0.04          |
| 2397646              | RBH210   | Not Given | 13.18          | 13.28           | C    | Reddish brown SILTSTONE  | WC = 4.1%                                          | 1                  | A                     | U                        | YES                    | -          | 84.7    | 77.0      | 61.0       | 2.6           | 81.1                          | 0.39                      | 0.48          |
| 2397647              | RBH210   | Not Given | 14.35          | 14.59           | C    | Reddish brown silty CLAY | WC = 15.7%                                         | 1                  | A                     | U                        | YES                    | -          | 83.0    | 48.0      | 39.0       | 0.2           | 64.2                          | 0.05                      | 0.05          |
| 2397648              | RBH210   | Not Given | 16.58          | 16.64           | C    | Reddish brown SILTSTONE  | WC = 9.1%                                          | 1                  | A                     | U                        | YES                    | -          | 85.0    | 39.0      | 36.0       | 0.3           | 62.4                          | 0.08                      | 0.09          |
| 2397649              | RBH210   | Not Given | 20.57          | 20.62           | C    | Reddish brown SILTSTONE  | WC = 6.1%                                          | 1                  | A                     | U                        | YES                    | -          | 80.4    | 43.0      | 40.0       | 0.4           | 64.0                          | 0.09                      | 0.10          |
|                      |          |           |                |                 |      |                          |                                                    |                    |                       |                          |                        |            |         |           |            |               |                               |                           |               |
|                      |          |           |                |                 |      |                          |                                                    |                    |                       |                          |                        |            |         |           |            |               |                               |                           |               |
|                      |          |           |                |                 |      |                          |                                                    |                    |                       |                          |                        |            |         |           |            |               |                               |                           |               |

Note: # non accredited; Test Type: D - Diametral, A - Axial, I - Irregular Lump, B - Block; Direction: L - parallel to planes of weakness, P - perpendicular to planes of weakness, U - unknown or random;  
Dimensions: Dps - Distance between platens ( platen separation ), Dps' - at failure ( see ISRM note 6), Lne - Length from platens to nearest free end W - Width of shortest dimension perpendicular to load, P;  
Detailed legend for test and dimensions, based on ISRM, is shown above; Size factor, F = (De/50)0.45 for all tests

Comments: Replaces Analytical Report Number 22-79461, issue no 1; Additional results of PL

Signed:

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for and on behalf of i2 Analytical Ltd



4041

Client: ROC Consulting Ltd  
 Client Address: Commercial Wharf, 6 Commercial Street,  
 Castlefield, Manchester,  
 M15 4PZ  
 Contact: Reece McGuinness  
 Site Address: Plots NT02-NT04

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

## SUMMARY REPORT

### DETERMINATION OF UNIAXIAL COMPRESSIVE STRENGTH OF ROCK MATERIALS

Tested in Accordance with: ISRM, 2007, p153, part 1

i2 Analytical Ltd  
 Unit 8 Harrowden Road  
 Brackmills Industrial Estate  
 Northampton NN4 7EB



Environmental Science

Client Reference: 4328  
 Job Number: 22-79461  
 Date Sampled: Not Given  
 Date Received: 19/08/2022  
 Date Tested: 07/09 - 15/09/2022  
 Sampled By: Client - RM

### Test results

| Laboratory Reference | Hole No. | Sample    |                |                 |      | Description                   | Remarks                                               | Specimen Dimensions (2) |              |     |                       | Bulk density (2)<br>Mg/m <sup>3</sup> | Water Content (1)<br>% | Uniaxial Compression (3) |                      |                 |            |
|----------------------|----------|-----------|----------------|-----------------|------|-------------------------------|-------------------------------------------------------|-------------------------|--------------|-----|-----------------------|---------------------------------------|------------------------|--------------------------|----------------------|-----------------|------------|
|                      |          | Reference | Depth Top<br>m | Depth Base<br>m | Type |                               |                                                       | Diameter<br>mm          | Length<br>mm | H/D | Orientation of sample |                                       |                        | Condition                | Stress Rate<br>Mpa/s | Mode of failure | UCS<br>Mpa |
| 2397630              | RBH201   | Not Given | 17.88          | 18.20           | C    | Light brown to grey SILTSTONE |                                                       | 86.7                    | 240.2        | 2.8 | Vertical              | 2.28                                  | 6.8                    | as received              | 0.0339               | S + AC          | 15.9       |
| 2397627              | RBH202   | Not Given | 21.56          | 21.75           | C    | Brown SILTSTONE               | Sample is below recommended length to diameter ratio. | 86.4                    | 119.8        | 1.4 | Vertical              | 2.47                                  | 5.2                    | as received              | 0.0341               | MS + AC         | 12.4       |
| 2397613              | RBH206   | Not Given | 10.87          | 11.07           | C    | Brown SILTSTONE               | Sample is below recommended length to diameter ratio. | 89.7                    | 134.6        | 1.5 | Vertical              | 2.28                                  | 4.7                    | as received              | 0.0158               | MS + AC         | 5.73       |
| 2397616              | RBH206   | Not Given | 15.75          | 16.11           | C    | Brown SILTSTONE               |                                                       | 89.2                    | 246.4        | 2.8 | Vertical              | 2.43                                  | 5.7                    | as received              | 0.0320               | MS + AC         | 10.4       |
| 2397666              | RBH206   | Not Given | 18.59          | 18.94           | C    | Light grey SILTSTONE          |                                                       | 90.0                    | 249.0        | 2.8 | Vertical              | 2.18                                  | 5.2                    | as received              | 0.0315               | S + AC          | 15.0       |
| 2397654              | RBH208   | Not Given | 18.00          | 18.21           | C    | Brown to grey SILTSTONE       | Sample is below recommended length to diameter ratio. | 86.3                    | 120.6        | 1.4 | Vertical              | 2.29                                  | 5.7                    | as received              | 0.0513               | MS + AC         | 25.5       |
| 2397650              | RBH210   | Not Given | 12.28          | 12.46           | C    | Brown SILTSTONE               | Sample is below recommended length to diameter ratio. | 84.9                    | 139.2        | 1.6 | Vertical              | 2.29                                  | 7.8                    | as received              | 0.0177               | MS + AC         | 8.11       |
|                      |          |           |                |                 |      |                               |                                                       |                         |              |     |                       |                                       |                        |                          |                      |                 |            |
|                      |          |           |                |                 |      |                               |                                                       |                         |              |     |                       |                                       |                        |                          |                      |                 |            |
|                      |          |           |                |                 |      |                               |                                                       |                         |              |     |                       |                                       |                        |                          |                      |                 |            |

Note: 1 - ISRM p87 test 1, water content at 105 ± 3 °C, specimen as tested for UCS, 2 - ISRM p86 clause (vii), Caliper method used for determination of bulk volume and derivation of bulk density, 3 - ISRM p153 part 1, determination of Uniaxial Compressive Strength ( UCS ) of Rock Materials, above notes apply unless annotated otherwise in the remarks. Compaction machine: VJ Tech AUTOCON - VJT 51-3011; Mode of failure legend: S - Single shear, MS - multiple shear, AC - Axial cleavage, F - Fragmented

Comments: Replaces Analytical Report Number 22-79461, issue no 1; Additional results of UCS

Signed:

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for and on behalf of i2 Analytical Ltd

# TEST CERTIFICATE

## DETERMINATION OF THE UNCONFINED COMPRESSIVE STRENGTH - LOAD FRAME METHOD

Tested in Accordance with: BS 1377-7: 1990: Clause 7.2

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB



Client: ROC Consulting Ltd  
Client Address: Commercial Wharf, 6 Commercial Street,  
Castlefield, Manchester,  
M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 15/09/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

### Test Results:

Laboratory Reference: 2397619  
Hole No.: RBH202  
Sample Reference: Not Given  
Sample Description: Brown slightly silty CLAY  
Sample Preparation:

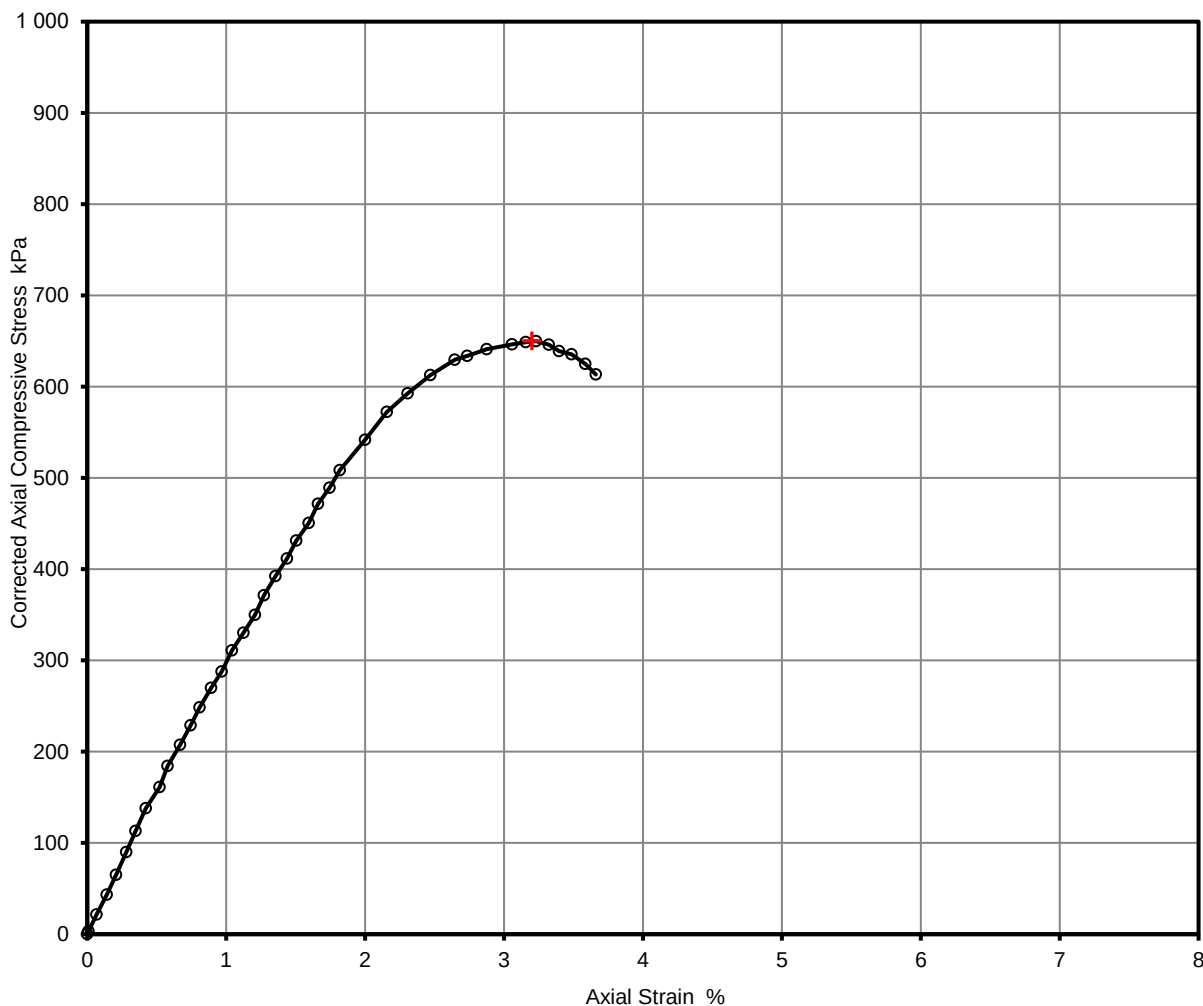
Depth Top [m]: 11.14  
Depth Base [m]: 11.33  
Sample Type: C

|                  |            |
|------------------|------------|
| Test Number      | 1          |
| Length           | 121.0 mm   |
| Diameter         | 87.3 mm    |
| Bulk Density     | 2.30 Mg/m3 |
| Moisture Content | 13.0 %     |
| Dry Density      | 2.03 Mg/m3 |

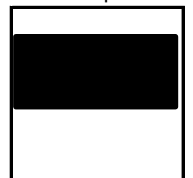
Rate of Strain  
Axial Strain at failure  
Unconfined Compressive Strength  
Mode of Failure

|         |       |
|---------|-------|
| 1.0     | %/min |
| 3.2     | %     |
| 650     | kPa   |
| Brittle |       |

Axial Compressive Stress v Axial Strain



Position within  
sample



Note: Axial compressive stress corrected for area change, and membrane effects (if used)

Remarks: Sample is below recommended length to diameter ratio.  
Replaces Analytical Report Number 22-79461, issue no 1; Additional results of UCS

Signed:

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for and on behalf of i2 Analytical Ltd

# TEST CERTIFICATE

## DETERMINATION OF THE UNCONFINED COMPRESSIVE STRENGTH - LOAD FRAME METHOD

Tested in Accordance with: BS 1377-7: 1990: Clause 7.2

i2 Analytical Ltd  
Unit 8 Harrowden Road  
Brackmills Industrial Estate  
Northampton NN4 7EB



Client: ROC Consulting Ltd  
Client Address: Commercial Wharf, 6 Commercial Street,  
Castlefield, Manchester,  
M15 4PZ  
Contact: Reece McGuinness  
Site Address: Plots NT02-NT04

Client Reference: 4328  
Job Number: 22-79461  
Date Sampled: Not Given  
Date Received: 19/08/2022  
Date Tested: 15/09/2022  
Sampled By: Client - RM

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

### Test Results:

Laboratory Reference: 2397622  
Hole No.: RBH202  
Sample Reference: Not Given  
Sample Description: Brown slightly silty CLAY  
Sample Preparation:

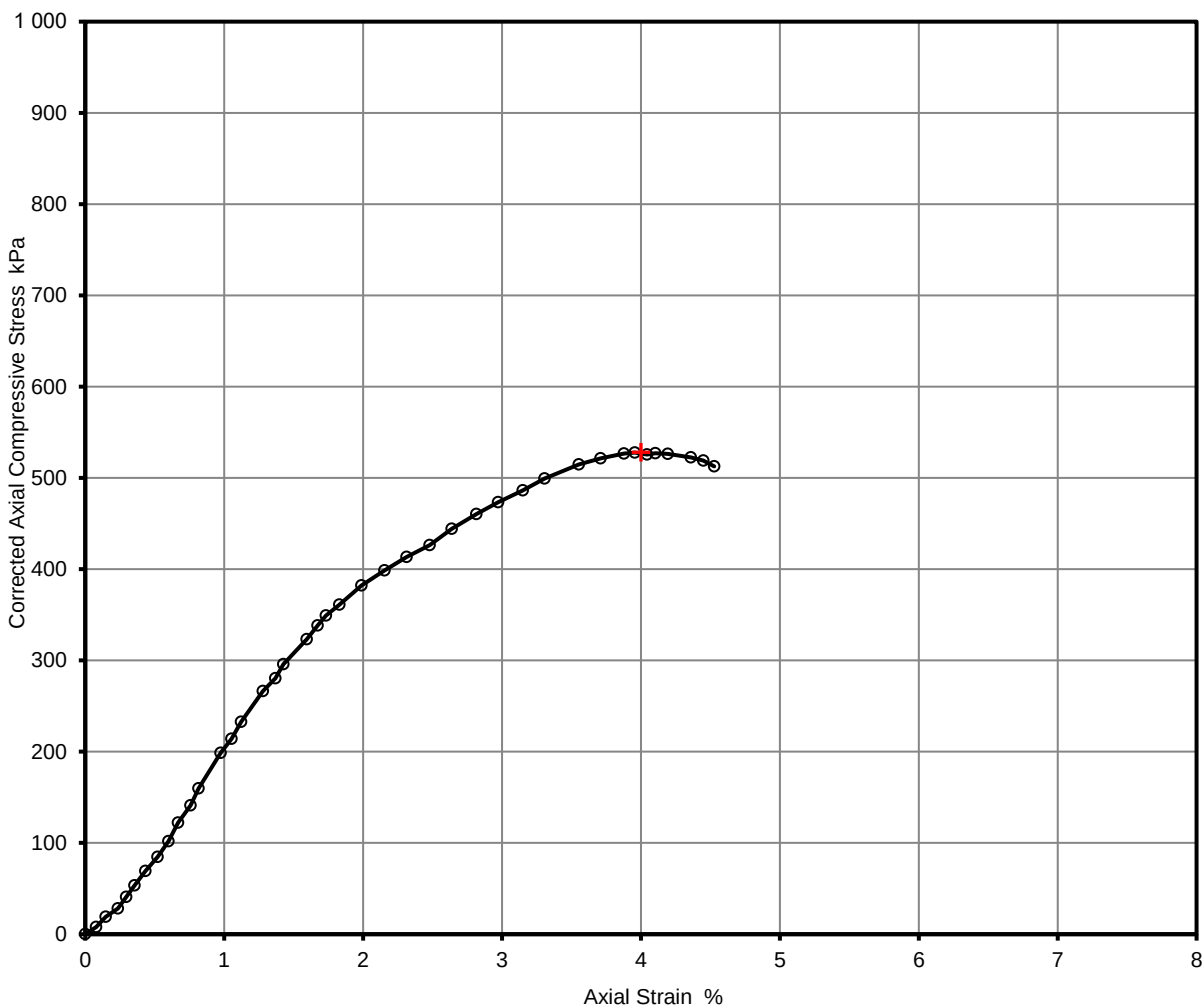
Depth Top [m]: 13.26  
Depth Base [m]: 13.49  
Sample Type: C

|                  |                        |
|------------------|------------------------|
| Test Number      | 1                      |
| Length           | 101.6 mm               |
| Diameter         | 89.8 mm                |
| Bulk Density     | 2.36 Mg/m <sup>3</sup> |
| Moisture Content | 13.0 %                 |
| Dry Density      | 2.08 Mg/m <sup>3</sup> |

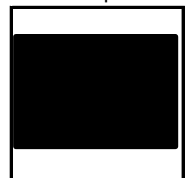
Rate of Strain  
Axial Strain at failure  
Unconfined Compressive Strength  
Mode of Failure

|         |       |
|---------|-------|
| 1.0     | %/min |
| 4.0     | %     |
| 528     | kPa   |
| Brittle |       |

Axial Compressive Stress v Axial Strain



Position within sample



Note: Axial compressive stress corrected for area change, and membrane effects (if used)

Remarks: Sample is below recommended length to diameter ratio.  
Replaces Analytical Report Number 22-79461, issue no 1; Additional results of UCS

Signed:

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for and on behalf of i2 Analytical Ltd



# LABORATORY REPORT



**Contract Number: PSL23/3059**

Report Date: 18 May 2023  
Client's Reference: 4328  
Client Name: ROC Consulting  
Spring Lodge, 172 Chester Road  
Helsby  
Cheshire  
WA6 0AR

**For the attention of: Reece McGuinness**

Contract Title: Plots NT02-04

Date Received: 27/4/2023  
Date Commenced: 27/4/2023  
Date Completed: 17/5/2023

**Notes: Opinions and Interpretations are outside the UKAS Accreditation**

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

L Knight  
(Assistant Laboratory Manager)

R Berriman  
(Associate Director)

S Royle  
(Laboratory Manager)

A Watkins  
(Managing Director)

S Eyre  
(Senior Technical Coordinator)

A Fry  
(Section Manager)

5 – 7 Hexthorpe Road,  
Hexthorpe,  
Doncaster,  
DN4 0AR  
Tel: 01302 768098  
Email: rberriman@prosoils.co.uk  
awatkins@prosoils.co.uk

Page 1 of

# SUMMARY OF LABORATORY SOIL DESCRIPTIONS

| Hole Number | Sample Number | Sample Type | Top Depth m | Base Depth m | Description of Sample                                           |
|-------------|---------------|-------------|-------------|--------------|-----------------------------------------------------------------|
| WS303       |               | D           | 2.50        |              | Brown gravelly very sandy CLAY.                                 |
| WS305       |               | D           | 1.80        |              | Brown slightly gravelly sandy CLAY.                             |
| TP309       |               | B           | 0.50        | 1.00         | MADE GROUND dark brown very sandy clayey gravel with cobbles.   |
| TP305       |               | B           | 0.50        |              | MADE GROUND dark brown very gravelly very sandy clay.           |
| TP307       |               | B           | 0.60        |              | MADE GROUND dark brown very gravelly very sandy clay.           |
| WS310       |               | D           | 1.40        |              | Brown mottled grey sandy CLAY.                                  |
| WS312       |               | D           | 3.00        |              | Brown slightly gravelly very sandy CLAY.                        |
| TP308       |               | B           | 0.50        | 1.00         | MADE GROUND dark brown very gravelly very sandy clay.           |
| MP301       |               | B           | 1.00        |              | MADE GROUND dark brown very gravelly clayey sand.               |
| TP308       |               | D           | 3.00        |              | Brown mottled grey slightly gravelly sandy CLAY.                |
| TP305       |               | D           | 1.50        |              | Brown mottled grey sandy CLAY.                                  |
| TP309       |               | D           | 0.80        |              | MADE GROUND dark brown very gravelly very sandy clay.           |
| TP301       |               | B           | 1.00        |              | Brown mottled grey sandy CLAY.                                  |
| TP301       |               | B           | 3.00        |              | Brown gravelly clayey SAND.                                     |
| TP306       |               | B           | 0.50        |              | MADE GROUND dark brown sandy slightly clayey gravel of cobbles. |
| TP302       |               | B           | 0.40        |              | MADE GROUND dark brown very sandy slightly clayey gravel.       |
| TP306       |               | B           | 1.50        |              | Dark brown gravelly slightly clayey SAND.                       |
| TP304       |               | B           | 0.50        |              | MADE GROUND dark brown very sandy clayey gravel of cobbles.     |
| TP304       |               | D           | 2.20        |              | Reddish brown sandy CLAY.                                       |



Plots NT02-04

Contract No:

PSL23/3059

Client Ref:

4328

## SUMMARY OF LABORATORY SOIL DESCRIPTIONS

[illegible]

## Plots NT02-04

**Contract No:****PSL23/3059****Client Ref:**

4328

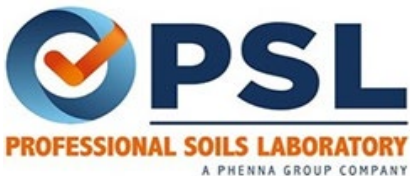
# SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377 : PART 2 : 1990)

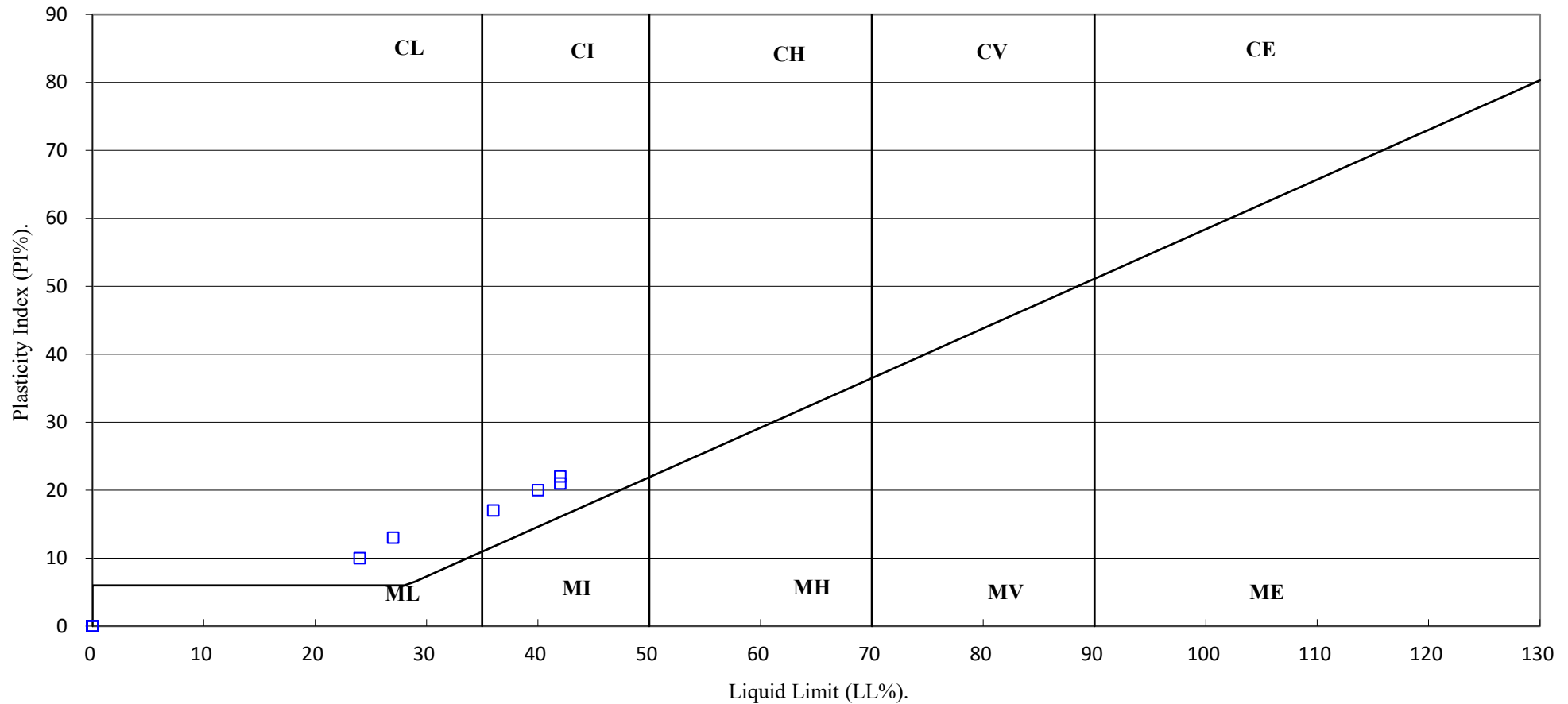
| Hole Number | Sample Number | Sample Type | Top Depth<br>m | Base Depth<br>m | Moisture Content<br>%<br>Clause 3.2 | Linear Shrinkage<br>%<br>Clause 6.5 | Particle Density<br>Mg/m <sup>3</sup><br>Clause 8.2 | Liquid Limit<br>%<br>Clause 4.3/4 | Plastic Limit<br>%<br>Clause 5.3 | Plasticity Index<br>%<br>Clause 5.4 | Passing .425mm<br>% | Remarks                    |
|-------------|---------------|-------------|----------------|-----------------|-------------------------------------|-------------------------------------|-----------------------------------------------------|-----------------------------------|----------------------------------|-------------------------------------|---------------------|----------------------------|
| WS303       |               | D           | 2.50           |                 | 15                                  |                                     |                                                     | 24                                | 14                               | 10                                  | 93                  | Low Plasticity CL          |
| WS305       |               | D           | 1.80           |                 | 25                                  |                                     |                                                     | 42                                | 20                               | 22                                  | 94                  | Intermediate Plasticity CI |
| TP309       |               | B           | 0.50           | 1.00            | 19                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| TP305       |               | B           | 0.50           |                 | 22                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| TP307       |               | B           | 0.60           |                 | 19                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| WS310       |               | D           | 1.40           |                 | 19                                  |                                     |                                                     | 40                                | 20                               | 20                                  | 100                 | Intermediate Plasticity CI |
| WS312       |               | D           | 3.00           |                 | 16                                  |                                     |                                                     | 27                                | 14                               | 13                                  | 94                  | Low Plasticity CL          |
| TP308       |               | B           | 0.50           | 1.00            | 20                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| MP301       |               | B           | 1.00           |                 | 27                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| TP308       |               | D           | 3.00           |                 | 21                                  |                                     |                                                     | 42                                | 21                               | 21                                  | 95                  | Intermediate Plasticity CI |
| TP305       |               | D           | 1.50           |                 | 26                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| TP309       |               | D           | 0.80           |                 | 23                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| TP301       |               | B           | 1.00           |                 | 24                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| TP301       |               | B           | 3.00           |                 | 12                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| TP306       |               | B           | 0.50           |                 | 22                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| TP302       |               | B           | 0.40           |                 | 18                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| TP306       |               | B           | 1.50           |                 | 12                                  |                                     |                                                     |                                   | NP                               |                                     |                     |                            |
| TP304       |               | B           | 0.50           |                 | 26                                  |                                     |                                                     |                                   |                                  |                                     |                     |                            |
| TP304       |               | D           | 2.20           |                 | 12                                  |                                     |                                                     | 36                                | 19                               | 17                                  | 100                 | Intermediate Plasticity CI |

SYMBOLS : NP : Non Plastic

\* : Liquid Limit and Plastic Limit Wet Sieved.

|                                                                                                                                                                            |               |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|
| <br> | Plots NT02-04 | Contract No: |
|                                                                                                                                                                            |               | PSL23/3059   |
|                                                                                                                                                                            |               | Client Ref:  |
|                                                                                                                                                                            |               | 4328         |

# PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.



Plots NT02-04

Contract No:

PSL23/3059

Client Ref:

4328

## SUMMARY OF SOIL CLASSIFICATION TESTS

**(BS1377 : PART 2 : 1990)**

[illegible]

**SYMBOLS : NP : Non Plastic**

**\* : Liquid Limit and Plastic Limit Wet Sieved.**



## Plots NT02-04

**Contract No:**

PSL23/3059

**Client Ref:**

4328

# PARTICLE SIZE DISTRIBUTION TEST

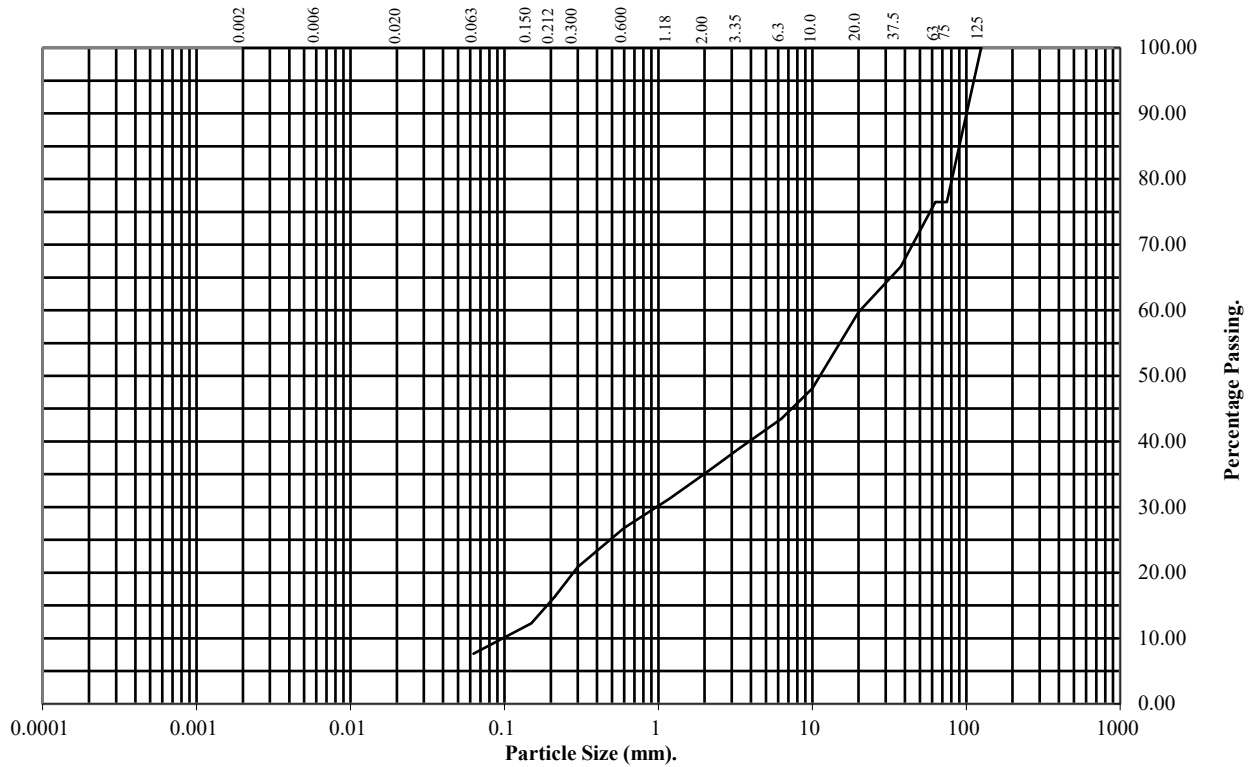
BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number: TP309 Top Depth (m): 0.50

Sample Number: Base Depth(m): 1.00

Sample Type: B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 76                 |
| 63                 | 76                 |
| 37.5               | 67                 |
| 20                 | 60                 |
| 10                 | 48                 |
| 6.3                | 43                 |
| 3.35               | 39                 |
| 2                  | 35                 |
| 1.18               | 31                 |
| 0.6                | 27                 |
| 0.3                | 21                 |
| 0.212              | 16                 |
| 0.15               | 12                 |
| 0.063              | 8                  |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 24               |
| Gravel        | 41               |
| Sand          | 27               |
| Silt/Clay     | 8                |

## Remarks:

See Summary of Soil Descriptions



Plots NT02-04

Contract No:  
PSL23/3059  
Client Ref:  
4328

# PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

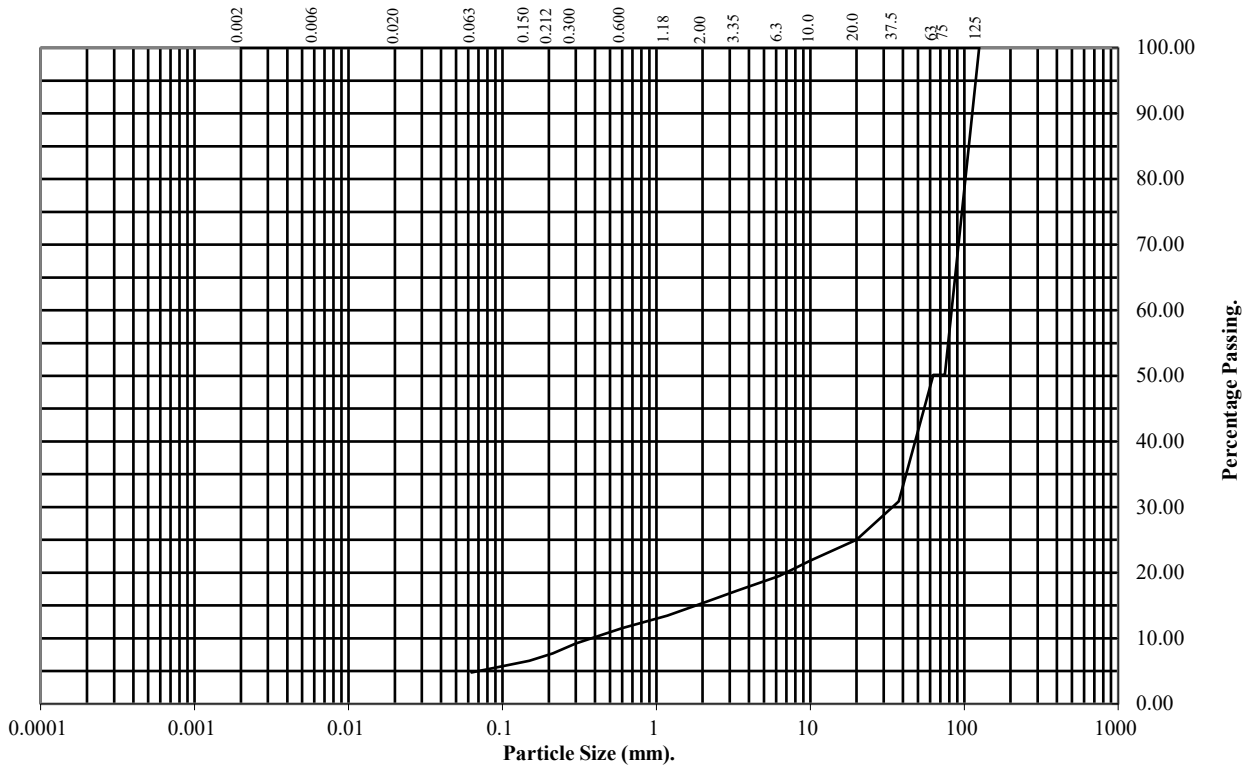
Hole Number: TP306

Top Depth (m): 0.50

Sample Number:

Base Depth(m):

Sample Type: B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 50                 |
| 63                 | 50                 |
| 37.5               | 31                 |
| 20                 | 25                 |
| 10                 | 22                 |
| 6.3                | 19                 |
| 3.35               | 17                 |
| 2                  | 15                 |
| 1.18               | 13                 |
| 0.6                | 12                 |
| 0.3                | 9                  |
| 0.212              | 8                  |
| 0.15               | 7                  |
| 0.063              | 5                  |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 50               |
| Gravel        | 35               |
| Sand          | 10               |
| Silt/Clay     | 5                |

## Remarks:

See Summary of Soil Descriptions



Plots NT02-04

Contract No:  
PSL23/3059  
Client Ref:  
4328

# PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

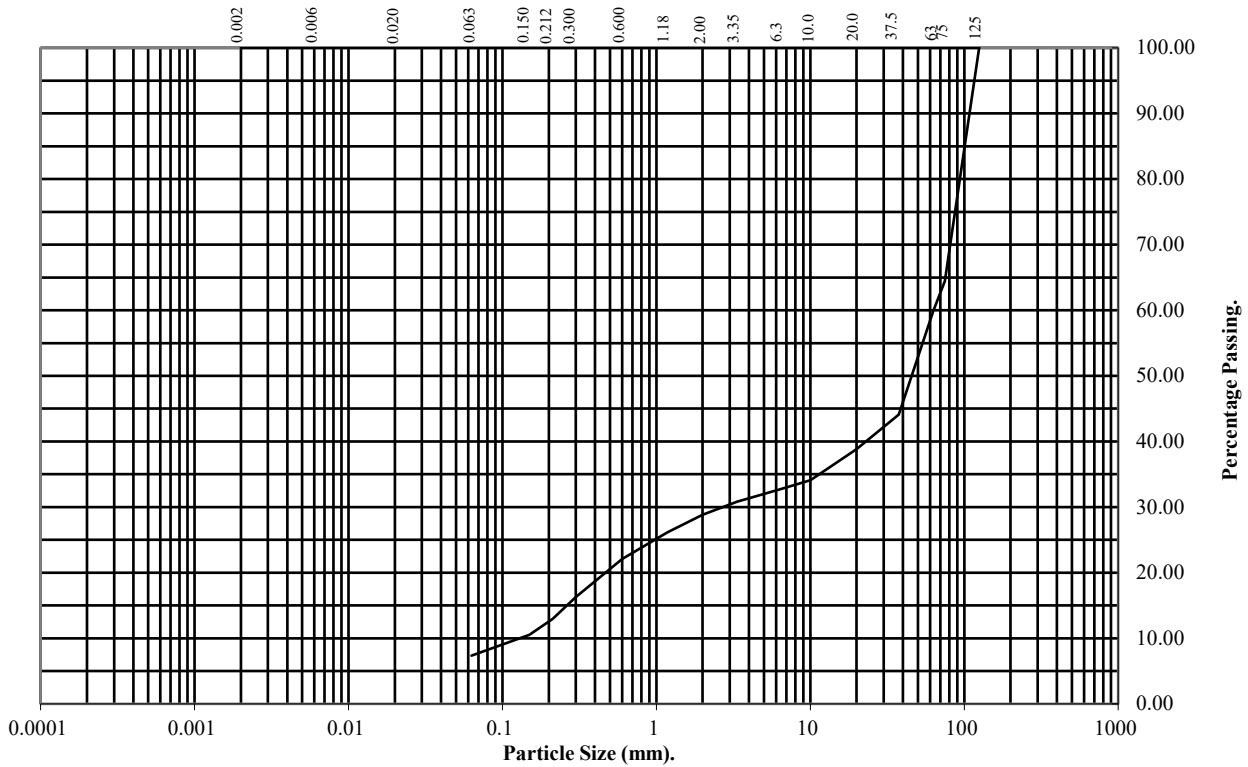
Hole Number: TP304

Top Depth (m): 0.50

Sample Number:

Base Depth(m):

Sample Type: B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 64                 |
| 63                 | 60                 |
| 37.5               | 44                 |
| 20                 | 39                 |
| 10                 | 34                 |
| 6.3                | 33                 |
| 3.35               | 31                 |
| 2                  | 29                 |
| 1.18               | 26                 |
| 0.6                | 22                 |
| 0.3                | 16                 |
| 0.212              | 13                 |
| 0.15               | 11                 |
| 0.063              | 7                  |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 40               |
| Gravel        | 31               |
| Sand          | 22               |
| Silt/Clay     | 7                |

## Remarks:

See Summary of Soil Descriptions



Plots NT02-04

|              |
|--------------|
| Contract No: |
| PSL23/3059   |
| Client Ref:  |
| 4328         |

# PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve & Pipette Analysis, Clause 9.2 & 9.4

Hole Number:

RBH305

Top Depth (m):

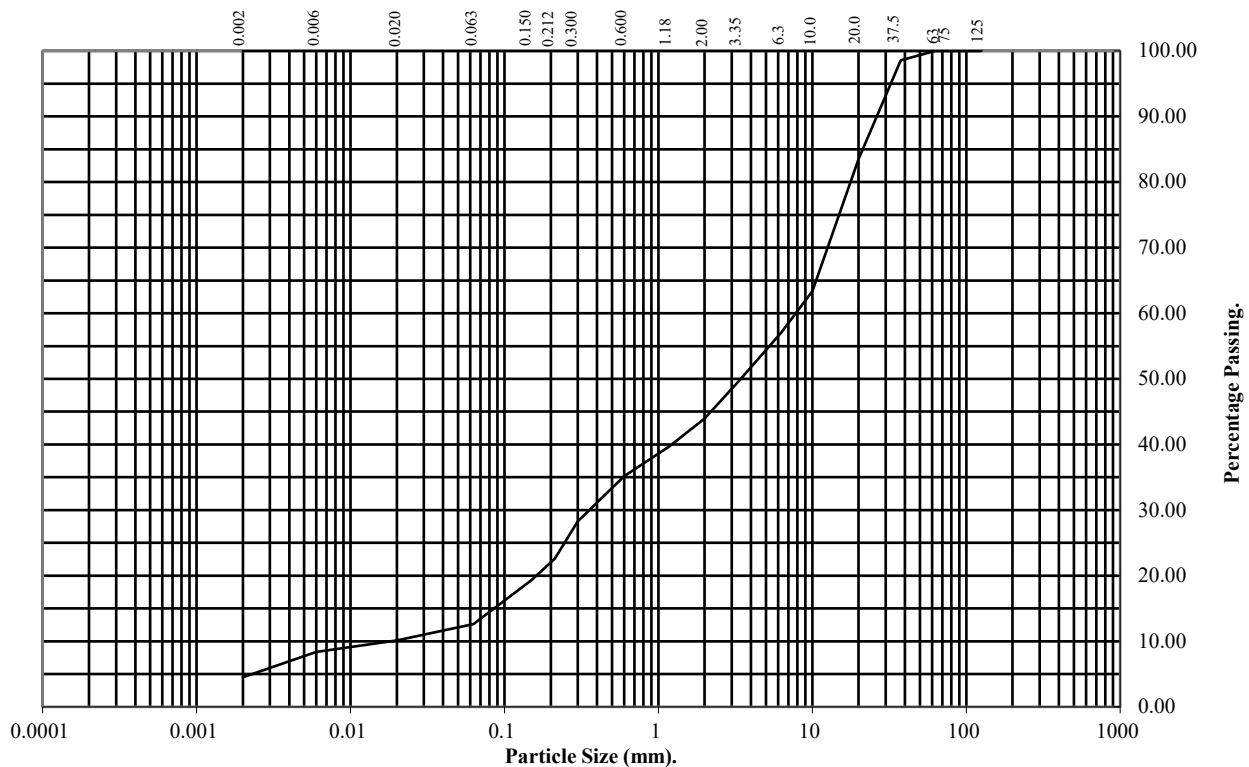
0.50

Sample Number:

Base Depth(m):

Sample Type:

B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 100                |
| 37.5               | 99                 |
| 20                 | 83                 |
| 10                 | 63                 |
| 6.3                | 57                 |
| 3.35               | 50                 |
| 2                  | 44                 |
| 1.18               | 40                 |
| 0.6                | 35                 |
| 0.3                | 28                 |
| 0.212              | 23                 |
| 0.15               | 19                 |
| 0.063              | 13                 |

| Particle Diameter | Percentage Passing |
|-------------------|--------------------|
| 0.02              | 10                 |
| 0.006             | 8                  |
| 0.002             | 5                  |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 0                |
| Gravel        | 56               |
| Sand          | 31               |
| Silt          | 8                |
| Clay          | 5                |

## Remarks:

See Summary of Soil Descriptions



Plots NT02-04

|              |
|--------------|
| Contract No: |
| PSL23/3059   |
| Client Ref:  |
| 4328         |

# PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve & Pipette Analysis, Clause 9.2 & 9.4

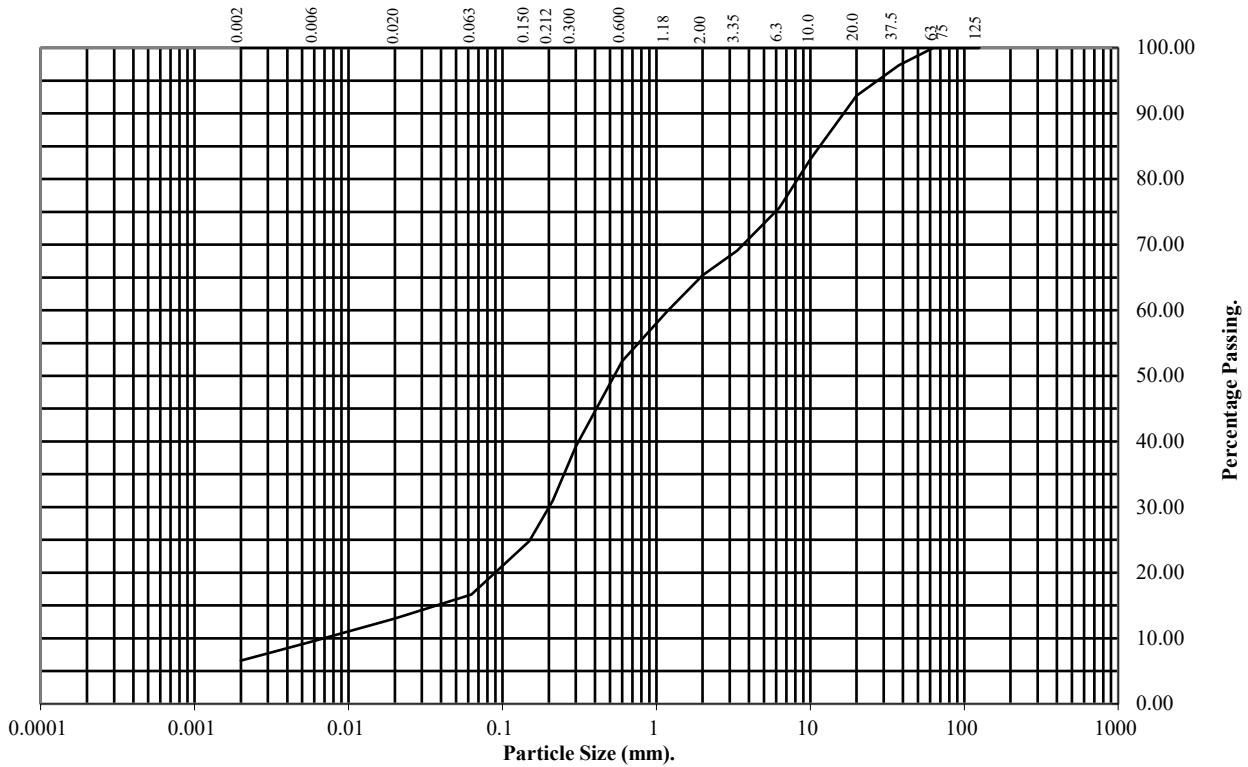
Hole Number: HP301

Top Depth (m): 0.50

Sample Number:

Base Depth(m):

Sample Type: B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 100                |
| 37.5               | 97                 |
| 20                 | 93                 |
| 10                 | 83                 |
| 6.3                | 76                 |
| 3.35               | 69                 |
| 2                  | 65                 |
| 1.18               | 60                 |
| 0.6                | 52                 |
| 0.3                | 39                 |
| 0.212              | 31                 |
| 0.15               | 25                 |
| 0.063              | 17                 |

| Particle Diameter | Percentage Passing |
|-------------------|--------------------|
| 0.02              | 13                 |
| 0.006             | 10                 |
| 0.002             | 7                  |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 0                |
| Gravel        | 35               |
| Sand          | 48               |
| Silt          | 10               |
| Clay          | 7                |

## Remarks:

See Summary of Soil Descriptions



Plots NT02-04

Contract No:  
PSL23/3059  
Client Ref:  
4328

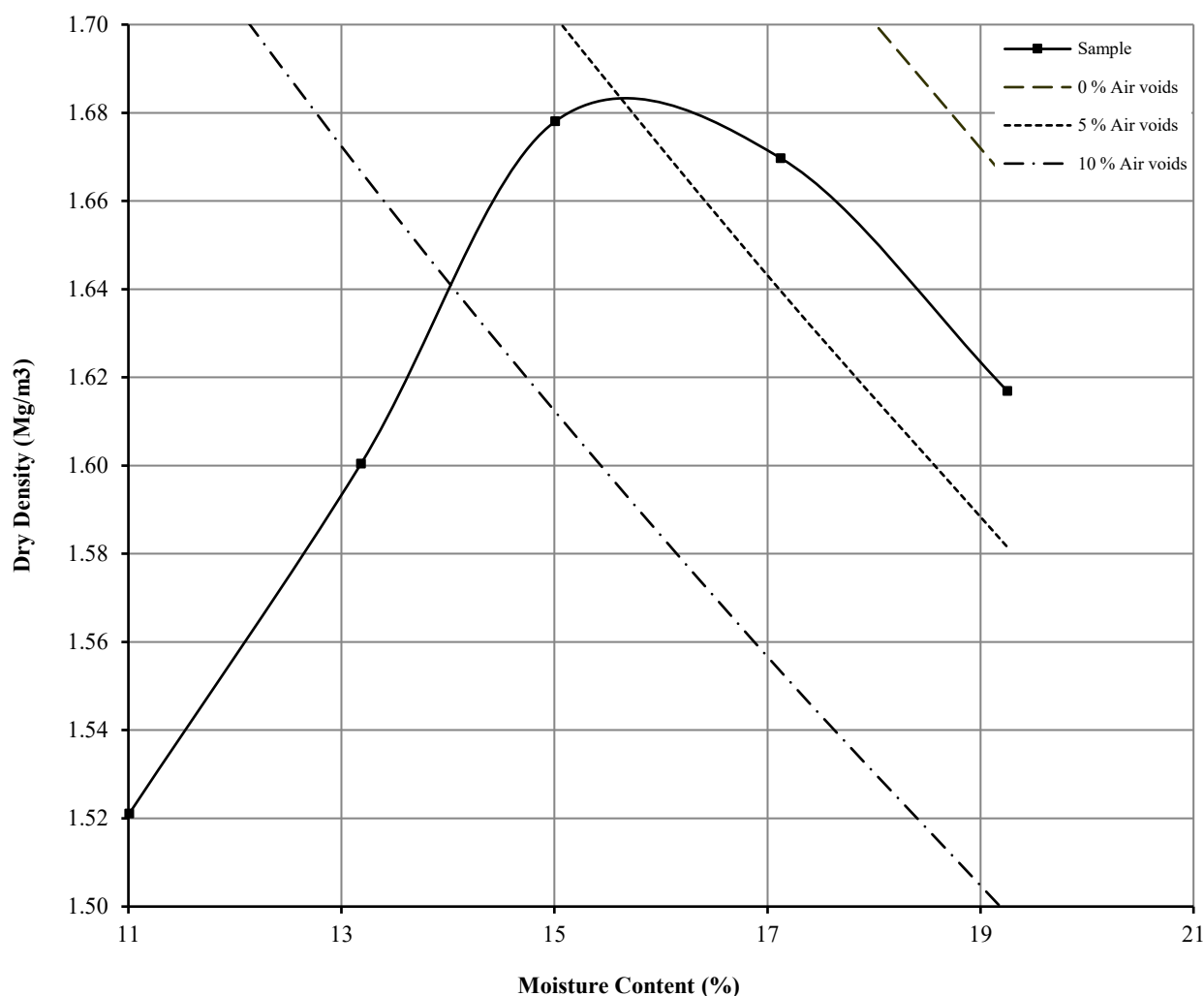
# DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

Non compliance with BS 1377 : Part 4 : Clause 3.6 : 1990

Hole Number: TP309 Top Depth (m) : 0.50

Sample Number: Base Depth (m) : 1.00

Sample Type: B



|                                           |      |                       |                                              |                  |
|-------------------------------------------|------|-----------------------|----------------------------------------------|------------------|
| Initial Moisture Content:                 | 19   | Method of Compaction: | 4.5kg                                        | Separate Samples |
| Particle Density (Mg/m <sup>3</sup> ):    | 2.45 | Assumed               | Material Retained on 37.5 mm Test Sieve (%): | 33               |
| Maximum Dry Density (Mg/m <sup>3</sup> ): | 1.68 |                       | Material Retained on 20.0 mm Test Sieve (%): | 7                |
| Optimum Moisture Content (%):             | 15   |                       |                                              |                  |
| Remarks See summary of soil descriptions  |      |                       |                                              |                  |



Plots NT02-04

Contract  
PSL23/3059  
Client Ref  
4328

# DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

Non compliance with BS 1377 : Part 4 : Clause 3.6 : 1990

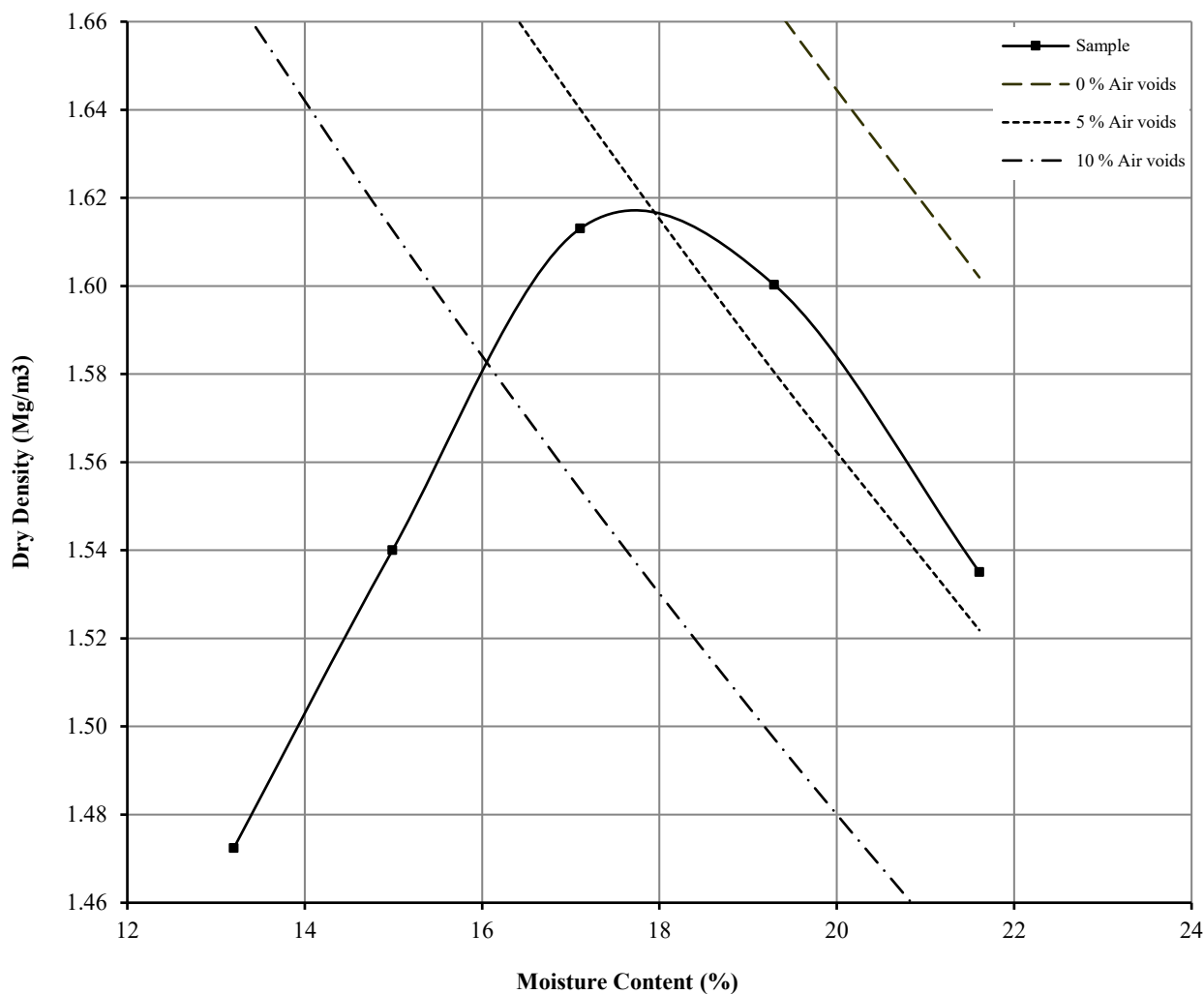
Hole Number: TP306

Top Depth (m) : 0.50

Sample Number:

Base Depth (m) :

Sample Type: B



|                                          |      |                       |                                              |                  |
|------------------------------------------|------|-----------------------|----------------------------------------------|------------------|
| Initial Moisture Content:                | 22   | Method of Compaction: | 4.5kg                                        | Separate Samples |
| Particle Density (Mg/m3):                | 2.45 | Assumed               | Material Retained on 37.5 mm Test Sieve (%): | 69               |
| Maximum Dry Density (Mg/m3):             | 1.61 |                       | Material Retained on 20.0 mm Test Sieve (%): | 6                |
| Optimum Moisture Content (%):            | 17   |                       |                                              |                  |
| Remarks See summary of soil descriptions |      |                       |                                              |                  |

|                                                                                                                                                                        |               |  |  |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|--|------------|
|   | Plots NT02-04 |  |  | Contract   |
|                                                                                                                                                                        |               |  |  | PSL23/3059 |
|                                                                                                                                                                        |               |  |  | Client Ref |
|                                                                                                                                                                        |               |  |  | 4328       |

# DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

Non compliance with BS 1377 : Part 4 : Clause 3.6 : 1990

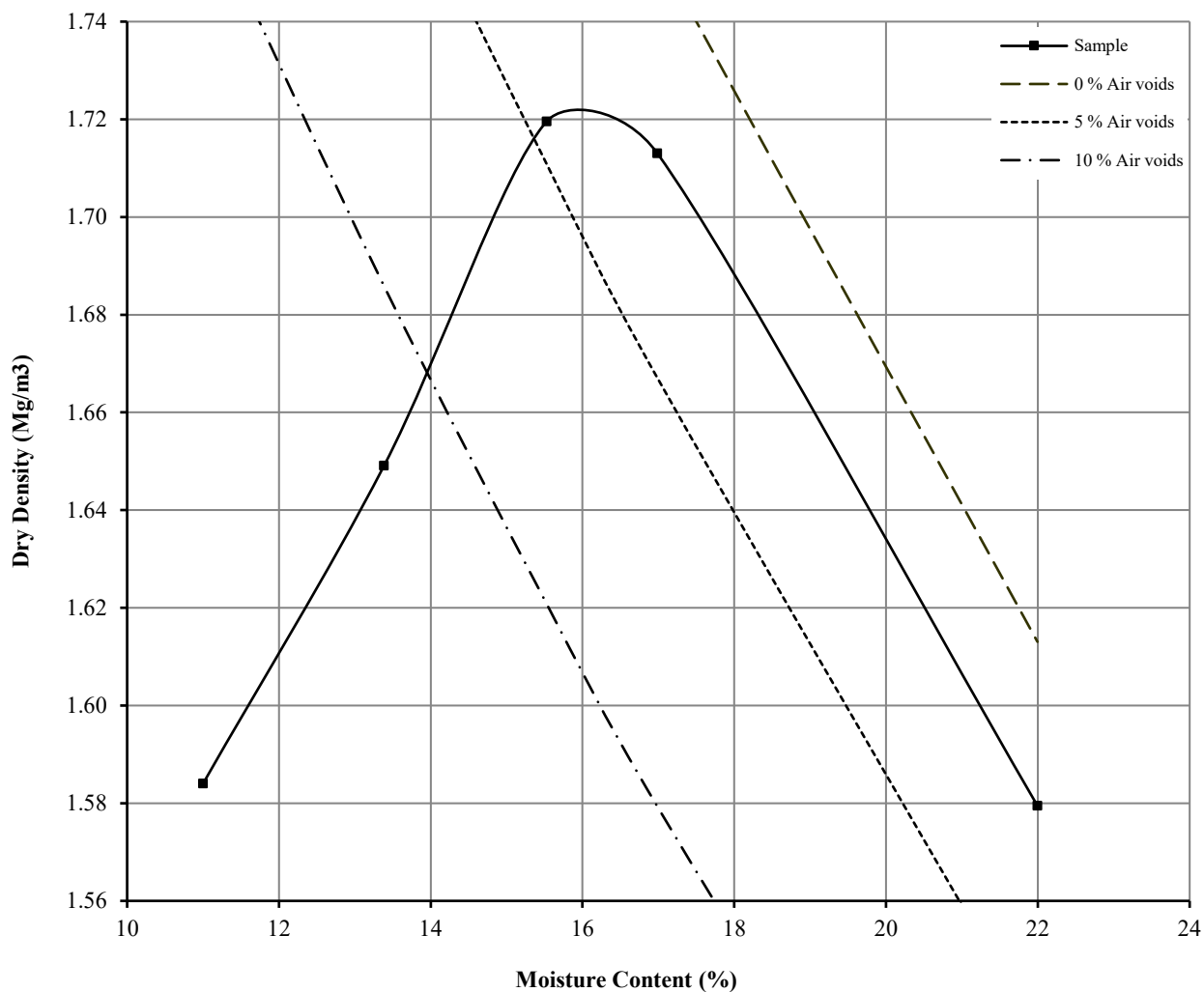
Hole Number: TP304

Top Depth (m) : 0.50

Sample Number:

Base Depth (m) :

Sample Type: B



|                                           |      |                       |                                              |                  |
|-------------------------------------------|------|-----------------------|----------------------------------------------|------------------|
| Initial Moisture Content:                 | 26   | Method of Compaction: | 4.5kg                                        | Separate Samples |
| Particle Density (Mg/m <sup>3</sup> ):    | 2.5  | Assumed               | Material Retained on 37.5 mm Test Sieve (%): | 56               |
| Maximum Dry Density (Mg/m <sup>3</sup> ): | 1.72 |                       | Material Retained on 20.0 mm Test Sieve (%): | 5                |
| Optimum Moisture Content (%):             | 16   |                       |                                              |                  |
| Remarks See summary of soil descriptions  |      |                       |                                              |                  |

|                                                                                                                                                                        |               |  |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|------------|
|   | Plots NT02-04 |  | Contract   |
|                                                                                                                                                                        |               |  | PSL23/3059 |
|                                                                                                                                                                        |               |  | Client Ref |
|                                                                                                                                                                        |               |  | 4328       |

# DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

BS 1377 : Part 4 : Clause 3.6 : 1990

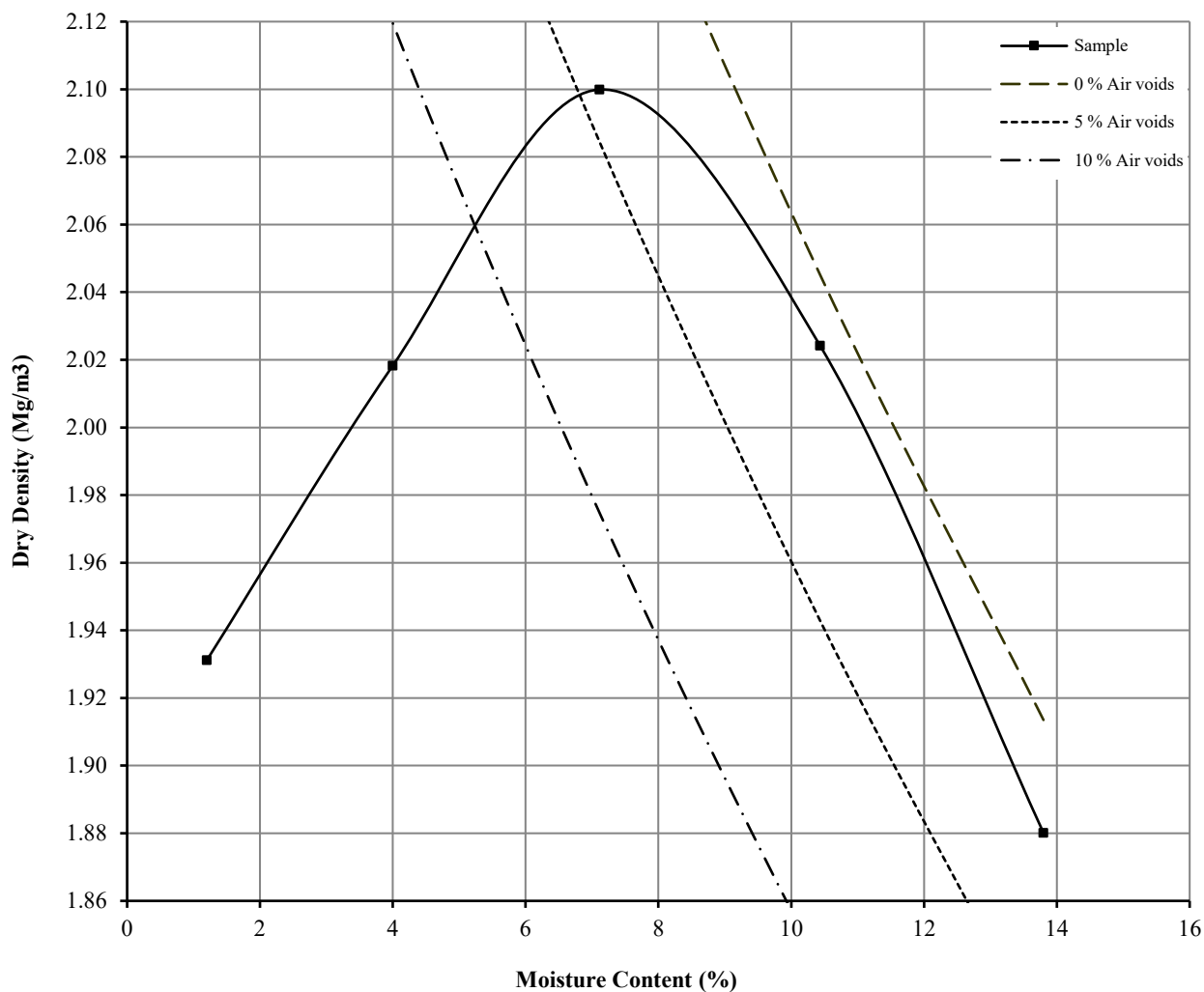
Hole Number: RBH305

Top Depth (m) : 0.50

Sample Number:

Base Depth (m) :

Sample Type: B



|                                          |      |                       |                                              |                  |
|------------------------------------------|------|-----------------------|----------------------------------------------|------------------|
| Initial Moisture Content:                | 10   | Method of Compaction: | 4.5kg                                        | Separate Samples |
| Particle Density (Mg/m3):                | 2.6  | Assumed               | Material Retained on 37.5 mm Test Sieve (%): | 1                |
| Maximum Dry Density (Mg/m3):             | 2.10 |                       | Material Retained on 20.0 mm Test Sieve (%): | 16               |
| Optimum Moisture Content (%):            | 7    |                       |                                              |                  |
| Remarks See summary of soil descriptions |      |                       |                                              |                  |

|                                                                                            |                                                                                                               |               |            |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------|------------|
| <br>4043 | <br>A PHENNA GROUP COMPANY | Plots NT02-04 | Contract   |
|                                                                                            |                                                                                                               |               | PSL23/3059 |
|                                                                                            |                                                                                                               |               | Client Ref |
|                                                                                            |                                                                                                               |               | 4328       |

# DRY DENSITY / MOISTURE CONTENT RELATIONSHIP

BS 1377 : Part 4 : Clause 3.6 : 1990

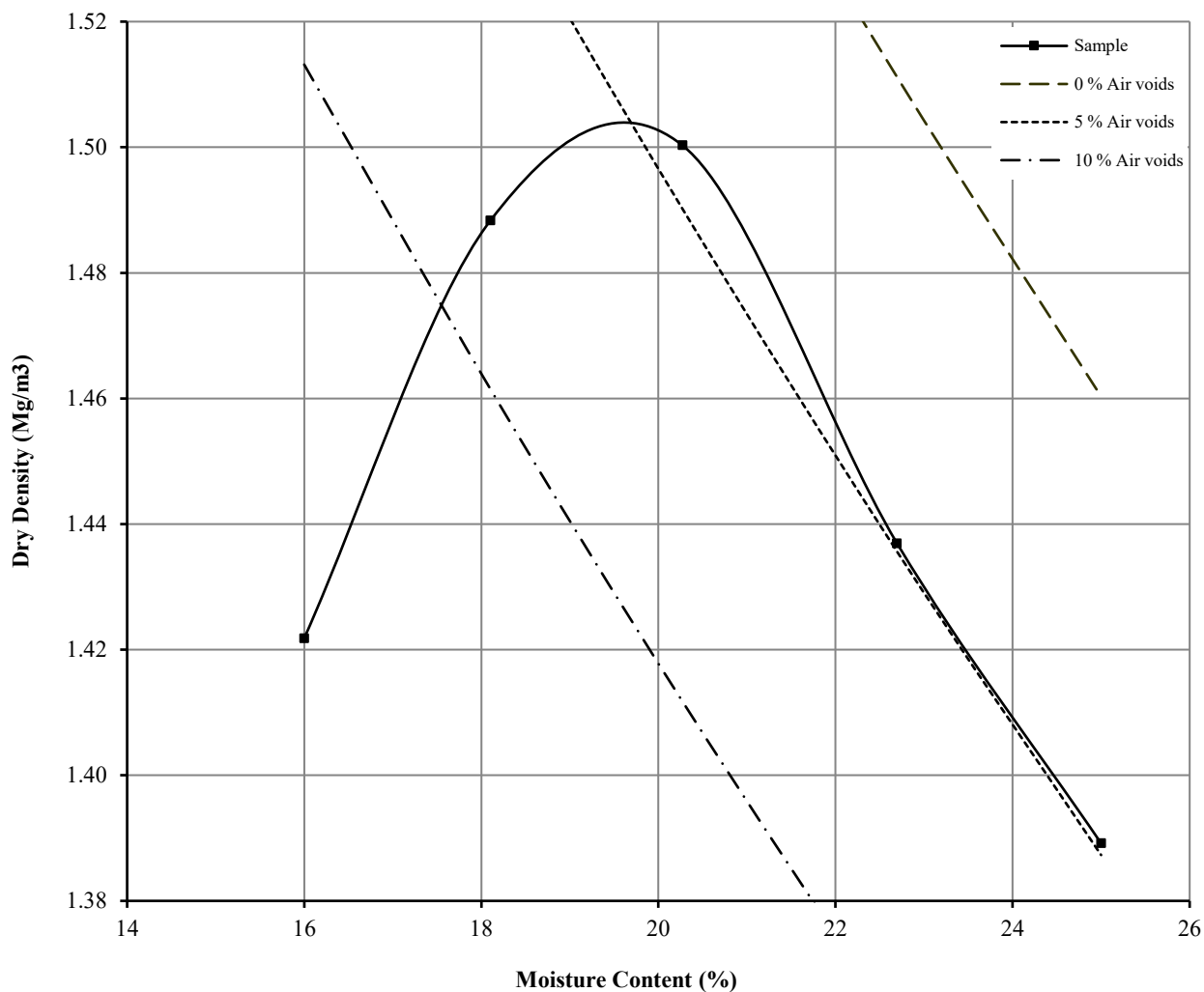
Hole Number: HP301

Top Depth (m) : 0.50

Sample Number:

Base Depth (m) :

Sample Type: B



|                                           |      |                       |                                              |                  |
|-------------------------------------------|------|-----------------------|----------------------------------------------|------------------|
| Initial Moisture Content:                 | 23   | Method of Compaction: | 4.5kg                                        | Separate Samples |
| Particle Density (Mg/m <sup>3</sup> ):    | 2.3  | Assumed               | Material Retained on 37.5 mm Test Sieve (%): | 3                |
| Maximum Dry Density (Mg/m <sup>3</sup> ): | 1.50 |                       | Material Retained on 20.0 mm Test Sieve (%): | 4                |
| Optimum Moisture Content (%):             | 20   |                       |                                              |                  |
| Remarks See summary of soil descriptions  |      |                       |                                              |                  |

|                                                                                            |                                                                                                               |               |            |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------|------------|
| <br>4043 | <br>A PHENNA GROUP COMPANY | Plots NT02-04 | Contract   |
|                                                                                            |                                                                                                               |               | PSL23/3059 |
|                                                                                            |                                                                                                               |               | Client Ref |
|                                                                                            |                                                                                                               |               | 4328       |

# ONE DIMENSIONAL CONSOLIDATION TEST

BS 1377: Part 5: 1990: Clause 3

Hole Number: RBH306

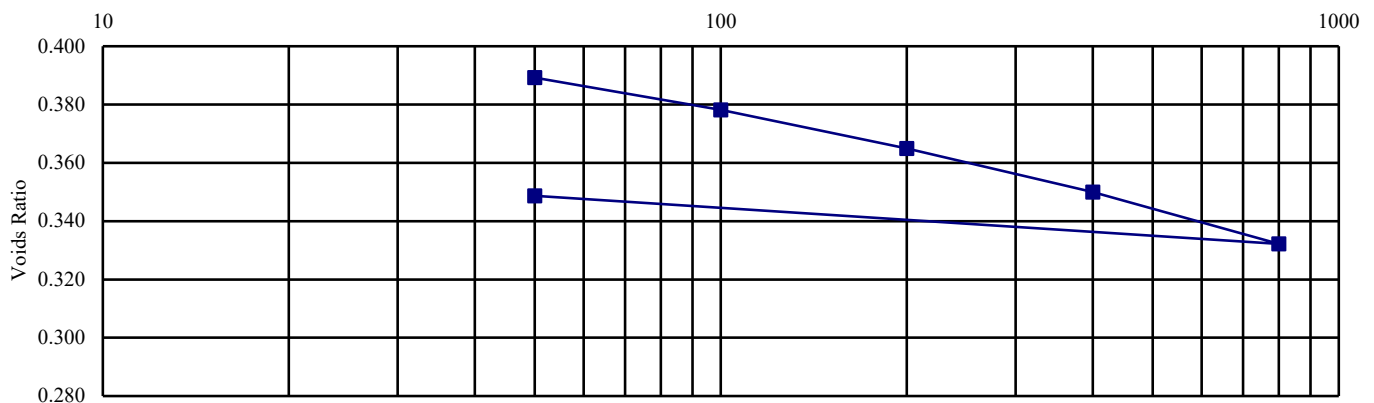
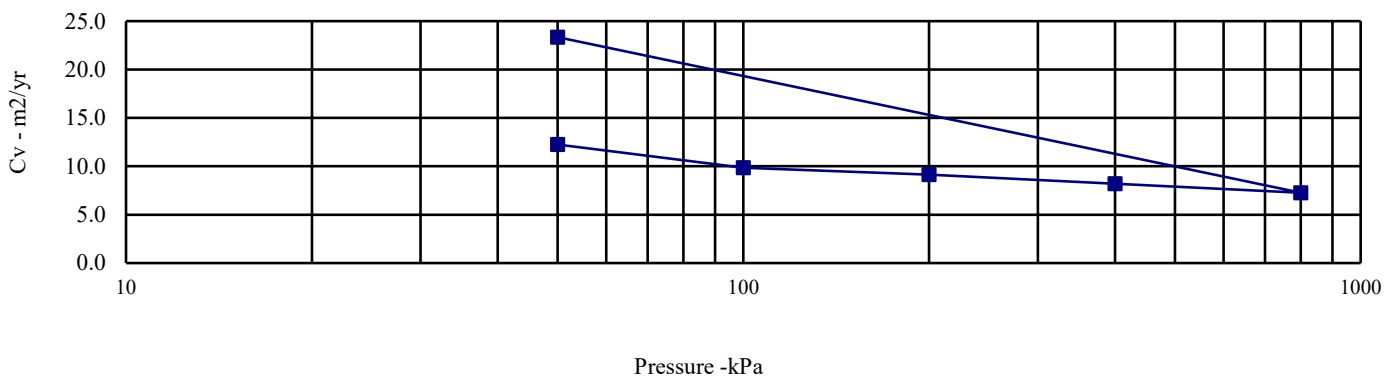
Top Depth (m): 4.50

Sample Number:

Base Depth (m) : 6.00

Sample Type:

| Initial Conditions        |       | Pressure Range |     | Mv    | Cv     | Specimen location                |     |
|---------------------------|-------|----------------|-----|-------|--------|----------------------------------|-----|
| Moisture Content (%):     | 10    | kPa            |     | m2/MN | m2/yr  | within tube:                     | Top |
| Bulk Density (Mg/m3):     | 2.04  | 0              | 50  | 0.658 | 12.247 | Method used to                   |     |
| Dry Density (Mg/m3):      | 1.84  | 50             | 100 | 0.159 | 9.834  | determine CV:                    | T90 |
| Voids Ratio:              | 0.436 | 100            | 200 | 0.096 | 9.139  | Nominal temperature              |     |
| Degree of saturation:     | 63.3  | 200            | 400 | 0.055 | 8.200  | during test ' C:                 | 20  |
| Height (mm):              | 20    | 400            | 800 | 0.033 | 7.267  | Remarks:                         |     |
| Diameter (mm)             | 75    | 800            | 50  | 0.017 | 23.347 | See summary of soil descriptions |     |
| Particle Density (Mg/m3): | 2.65  |                |     |       |        |                                  |     |
| Assumed                   |       |                |     |       |        |                                  |     |



Plots NT02-04

Contract No:  
PSL23/3059  
Client Ref:  
4328

# UNDRAINED SHEAR STRENGTH IN TRIAXIAL COMPRESSION

WITHOUT MEASUREMENT OF PORE PRESSURE

BS1377 : Part7 : 1990: Clause 8

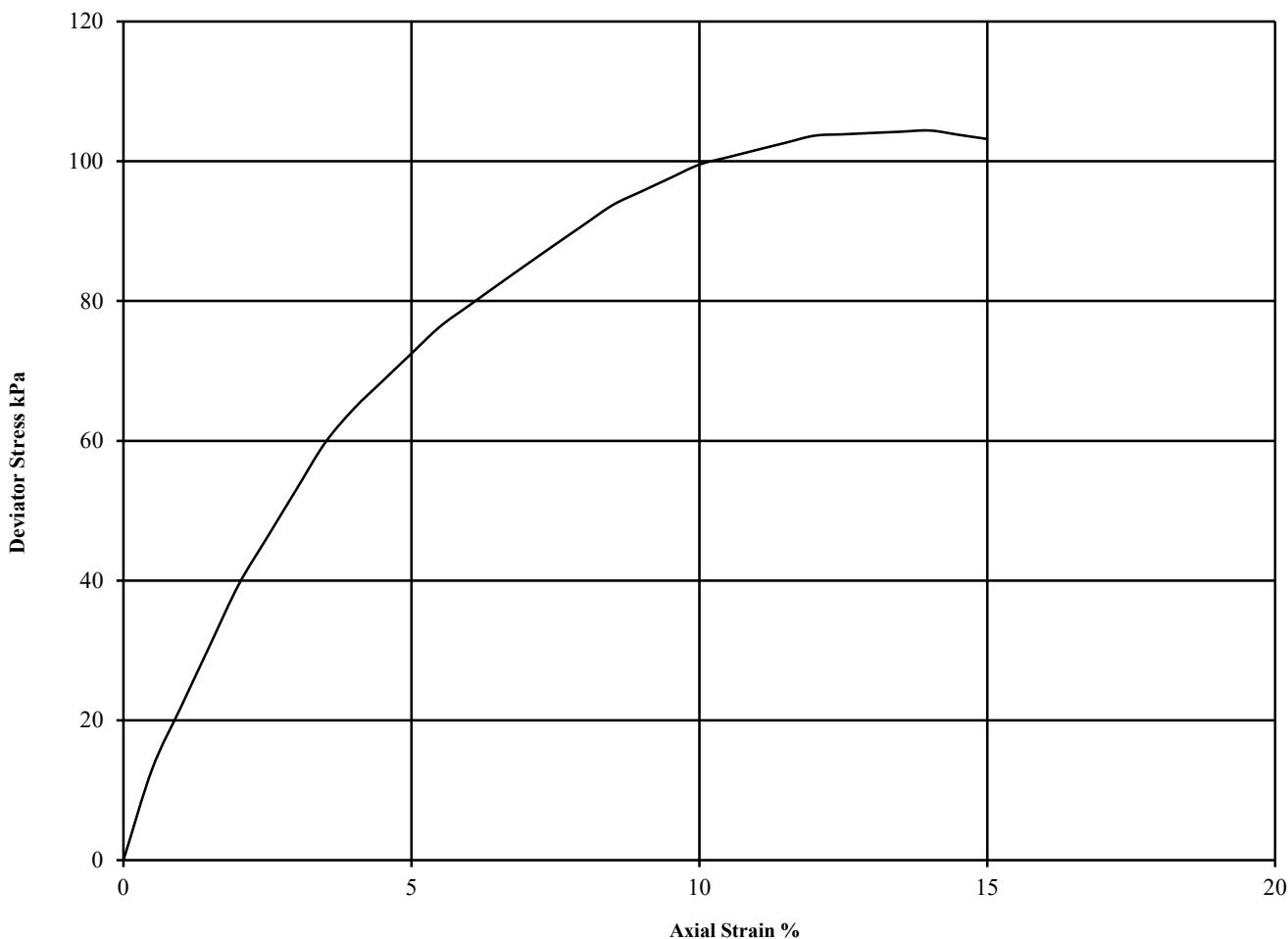
Hole Number: RBH306

Top Depth (m): 4.50

Sample Number:

Base Depth (m): 6.00

Sample Type



| Diameter (mm): |                      | 92                                |                                  | Height (mm):        |                                  | 184                     |                    | Test:           | UU Single Stage                                                                                                                                                                     |  | Remarks: |
|----------------|----------------------|-----------------------------------|----------------------------------|---------------------|----------------------------------|-------------------------|--------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|
| Specimen       | Moisture Content (%) | Bulk Density (Mg/m <sup>3</sup> ) | Dry Density (Mg/m <sup>3</sup> ) | Cell Pressure (kPa) | Corr. Max. Deviator Stress (kPa) | Shear Strength Cu (kPa) | Failure Strain (%) | Mode of Failure | Undisturbed Sample<br>Sample taken from top of tube<br>Rate of strain = 2 %/min<br>Latex Membrane used 0.2 mm thick,<br>Correction applied 0.38<br>See summary of soil descriptions |  |          |
| 1              | 11                   | 2.01                              | 1.80                             | 50                  | 104                              | 52                      | 14.0               | Intermediate    |                                                                                                                                                                                     |  |          |



Plots NT02-04

Contract No:

PSL23/3059

Client Ref:

4328

# SUMMARY OF POINT LOAD TEST RESULTS

ISRM Suggested Methods : 2007

| Borehole Number | Depth (m) | Sample Ref | Test Type | Orientation<br>Par / Perp | Dimensions (mm) |    | Area (mm <sup>2</sup> ) | D <sub>e</sub> <sup>2</sup> | D <sub>e</sub> (mm) | Failure Load (P) |      | I <sub>s</sub> (MPa) | Corr Fac F | I <sub>s50</sub> (MPa) | Failure Type | Remarks |
|-----------------|-----------|------------|-----------|---------------------------|-----------------|----|-------------------------|-----------------------------|---------------------|------------------|------|----------------------|------------|------------------------|--------------|---------|
|                 |           |            |           |                           | W               | D  |                         |                             |                     | (Mpa)            | (kN) |                      |            |                        |              |         |
| RBH305          | 4.80      |            | A         | Perp                      | 85              | 42 | 3570                    | 4545.47                     | 67.42               | -                | 0.18 | 0.04                 | 1.144      | 0.05                   | Valid        |         |
| RBH305          | 5.02      |            | A         | Perp                      | 85              | 36 | 3060                    | 3896.11                     | 62.42               | -                | 0.14 | 0.04                 | 1.105      | 0.04                   | Valid        |         |
| RBH305          | 5.22      |            | A         | Perp                      | 85              | 42 | 3570                    | 4545.47                     | 67.42               | -                | 0.18 | 0.04                 | 1.144      | 0.05                   | Valid        |         |
| RBH305          | 7.80      |            | A         | Perp                      | 85              | 40 | 3400                    | 4329.01                     | 65.80               | -                | 0.17 | 0.04                 | 1.131      | 0.04                   | Valid        |         |
| RBH305          | 9.98      |            | A         | Perp                      | 85              | 43 | 3655                    | 4653.69                     | 68.22               | -                | 0.14 | 0.03                 | 1.150      | 0.03                   | Valid        |         |
| RBH305          | 11.23     |            | A         | Perp                      | 85              | 46 | 3910                    | 4978.37                     | 70.56               | -                | 0.17 | 0.03                 | 1.168      | 0.04                   | Valid        |         |
| RBH305          | 11.87     |            | A         | Perp                      | 85              | 40 | 3400                    | 4329.01                     | 65.80               | -                | 0.27 | 0.06                 | 1.131      | 0.07                   | Valid        |         |
| RBH305          | 12.16     |            | A         | Perp                      | 85              | 50 | 4250                    | 5411.27                     | 73.56               | -                | 0.26 | 0.05                 | 1.190      | 0.06                   | Valid        |         |
| RBH305          | 12.39     |            | A         | Perp                      | 85              | 48 | 4080                    | 5194.82                     | 72.08               | -                | 0.15 | 0.03                 | 1.179      | 0.03                   | Valid        |         |
| RBH306          | 8.62      |            | A         | Perp                      | 85              | 42 | 3570                    | 4545.47                     | 67.42               | -                | 0.21 | 0.05                 | 1.144      | 0.05                   | Valid        |         |
| RBH306          | 18.23     |            | A         | Perp                      | 85              | 43 | 3655                    | 4653.69                     | 68.22               | -                | 0.18 | 0.04                 | 1.150      | 0.04                   | Valid        |         |
| RBH306          | 18.77     |            | A         | Perp                      | 85              | 40 | 3400                    | 4329.01                     | 65.80               | -                | 0.15 | 0.03                 | 1.131      | 0.04                   | Valid        |         |
| RBH306          | 19.26     |            | A         | Perp                      | 85              | 48 | 4080                    | 5194.82                     | 72.08               | -                | 0.20 | 0.04                 | 1.179      | 0.05                   | Valid        |         |
| RBH306          | 19.62     |            | A         | Perp                      | 85              | 38 | 3230                    | 4112.56                     | 64.13               | -                | 0.15 | 0.04                 | 1.119      | 0.04                   | Valid        |         |
| RBH306          | 20.04     |            | A         | Perp                      | 85              | 40 | 3400                    | 4329.01                     | 65.80               | -                | 0.19 | 0.04                 | 1.131      | 0.05                   | Valid        |         |
| RBH306          | 21.20     |            | A         | Perp                      | 85              | 36 | 3060                    | 3896.11                     | 62.42               | -                | 0.20 | 0.05                 | 1.105      | 0.06                   | Valid        |         |
| RBH306          | 21.44     |            | A         | Perp                      | 85              | 43 | 3655                    | 4653.69                     | 68.22               | -                | 0.24 | 0.05                 | 1.150      | 0.06                   | Valid        |         |
| RBH306          | 22.00     |            | A         | Perp                      | 85              | 44 | 3740                    | 4761.92                     | 69.01               | -                | 0.20 | 0.04                 | 1.156      | 0.05                   | Valid        |         |
|                 |           |            |           |                           |                 |    |                         |                             |                     |                  |      |                      |            |                        |              |         |
|                 |           |            |           |                           |                 |    |                         |                             |                     |                  |      |                      |            |                        |              |         |
|                 |           |            |           |                           |                 |    |                         |                             |                     |                  |      |                      |            |                        |              |         |
|                 |           |            |           |                           |                 |    |                         |                             |                     |                  |      |                      |            |                        |              |         |

**\*Note** All testing carried out on samples at as received water content

Par = parallel, Perp = perpendicular, U = Random

A = Axial, D = Diametral, I = Irregular

|                                                                                                                                                                        |              |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
|   | PLOTS NT2-04 | Contract No: |
|                                                                                                                                                                        |              | PSL23/3059   |
|                                                                                                                                                                        |              | Client Ref:  |
|                                                                                                                                                                        |              | 4328         |

# SUMMARY OF POINT LOAD TEST RESULTS

ISRM Suggested Methods : 2007

| Borehole Number | Depth (m) | Sample Ref | Test Type | Orientation | Dimensions (mm) |    | $D_c^2$ | $D_c$<br>(mm) | Failure Load |      | $I_s$<br>(MPa) | Corr Fac<br>F | $I_{s50}$<br>(MPa) | Failure Type | Remarks |
|-----------------|-----------|------------|-----------|-------------|-----------------|----|---------|---------------|--------------|------|----------------|---------------|--------------------|--------------|---------|
|                 |           |            |           | Par / Perp  | L               | D  |         |               | (Mpa)        | (kN) |                |               |                    |              |         |
| RBH305          | 4.80      |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.11 | 0.015          | 1.270         | 0.02               | Valid        |         |
| RBH305          | 5.02      |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.08 | 0.011          | 1.270         | 0.01               | Valid        |         |
| RBH305          | 5.22      |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.12 | 0.017          | 1.270         | 0.02               | Valid        |         |
| RBH305          | 7.80      |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.09 | 0.012          | 1.270         | 0.02               | Valid        |         |
| RBH305          | 9.98      |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.10 | 0.014          | 1.270         | 0.02               | Valid        |         |
| RBH305          | 11.23     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.13 | 0.018          | 1.270         | 0.02               | Valid        |         |
| RBH305          | 11.87     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.18 | 0.025          | 1.270         | 0.03               | Valid        |         |
| RBH305          | 12.16     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.17 | 0.024          | 1.270         | 0.03               | Valid        |         |
| RBH305          | 12.39     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.13 | 0.018          | 1.270         | 0.02               | Valid        |         |
| RBH306          | 8.62      |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.16 | 0.022          | 1.270         | 0.03               | Valid        |         |
| RBH306          | 18.23     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.14 | 0.019          | 1.270         | 0.02               | Valid        |         |
| RBH306          | 18.77     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.13 | 0.018          | 1.270         | 0.02               | Valid        |         |
| RBH306          | 19.26     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.17 | 0.024          | 1.270         | 0.03               | Valid        |         |
| RBH306          | 19.62     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.11 | 0.015          | 1.270         | 0.02               | Valid        |         |
| RBH306          | 20.04     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.15 | 0.021          | 1.270         | 0.03               | Valid        |         |
| RBH306          | 21.20     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.13 | 0.018          | 1.270         | 0.02               | Valid        |         |
| RBH306          | 21.44     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.18 | 0.025          | 1.270         | 0.03               | Valid        |         |
| RBH306          | 22.00     |            | D         | Par         | -               | 85 | 7225    | 85.00         | -            | 0.14 | 0.019          | 1.270         | 0.02               | Valid        |         |
|                 |           |            |           |             |                 |    |         |               |              |      |                |               |                    |              |         |
|                 |           |            |           |             |                 |    |         |               |              |      |                |               |                    |              |         |
|                 |           |            |           |             |                 |    |         |               |              |      |                |               |                    |              |         |
|                 |           |            |           |             |                 |    |         |               |              |      |                |               |                    |              |         |

**\*Note** All testing carried out on samples at as received water content

Par = parallel, Perp = perpendicular, U = Random



PLOTS NT2-04

Contract No:

PSL23/3059

Client Ref:

4328

## SUMMARY OF POINT LOAD TEST RESULTS

## ISRM Suggested Methods : 2007

[illegible]

**\*Note** All testing carried out on samples at as received water content

Par = parallel, Perp = perpendicular, U = Random

A = Axial, D = Diametral, I = Irregular



**PLOTS NT2-04**

**Contract No:**

PSL23/3059

**Client Ref:**

4328

## SUMMARY OF POINT LOAD TEST RESULTS

## ISRM Suggested Methods : 2007

[illegible]

**\*Note** All testing carried out on samples at as received water content

Par = parallel, Perp = perpendicular, U = Random



**PLOTS NT2-04**

**Contract No:**

PSL23/3059

**Client Ref:**

4328

# UNIAXIAL COMPRESSIVE STRENGTH

ISRM Suggested Methods - Rock Characterization Testing and Monitoring 1974 - 2006

**Borehole Number:** RBH305 **Top Depth (m):** 9.57  
**Sample Number:** - **Base Depth (m):** 9.87  
**Sample Type:** C **Sample Date:** -  
**Storage Condition:** Sealed **Date of Receipt** 25/04/2023  
**Sample Description:** Brown MUDSTONE

| Specimen Details/Conditions                           |        |
|-------------------------------------------------------|--------|
| Diameter - mm:                                        | 85.01  |
| Height - mm:                                          | 195.10 |
| Water Content - %:                                    | 13.1   |
| Sample Mass - g:                                      | 2766.8 |
| Bulk Density - Mg/m <sup>3</sup> :                    | 2.50   |
| Dry Density - Mg/m <sup>3</sup> :                     | 2.21   |
| Height Ratio: * Sample does not comply with H:D ratio | 2.3    |
| Degree of Saturation - %:                             | 121    |
| Assumed Specific Gravity for Degree of Saturation:    | 2.90   |

| Test Result                            |                |
|----------------------------------------|----------------|
| Load Frame/Machine:                    | CM1/Controls   |
| Date of test:                          | 16/05/2023     |
| Test Duration - mins:                  | 00:17          |
| Orientation:                           | Unknown        |
| Stress Rate - MPa/s:                   | 0.69           |
| Strain at Failure - kN:                | 66.87          |
| Unconfined Compressive Strength - Mpa: | 11.8           |
| Mode of Failure:                       | Vertical Shear |

**Remarks:** -



Plots NT02-04

**Contract No:**  
**PSL23/3059**  
**Client Ref:**  
**4328**

# UNIAXIAL COMPRESSIVE STRENGTH

ISRM Suggested Methods - Rock Characterization Testing and Monitoring 1974 - 2006

**Borehole Number:** RBH305 **Top Depth (m):** 13.23

**Sample Number:** - **Base Depth (m):** 13.41

**Sample Type:** C **Sample Date:** -

**Storage Condition:** Sealed **Date of Receipt:** 25/04/2023

**Sample Description:** Reddish brown SANDSTONE

| Specimen Details/Conditions                           |        |
|-------------------------------------------------------|--------|
| Diameter - mm:                                        | 85.18  |
| Height - mm:                                          | 195.27 |
| Water Content - %:                                    | 7.6    |
| Sample Mass - g:                                      | 2801.2 |
| Bulk Density - Mg/m <sup>3</sup> :                    | 2.52   |
| Dry Density - Mg/m <sup>3</sup> :                     | 2.34   |
| Height Ratio: * Sample does not comply with H:D ratio | 2.3    |
| Degree of Saturation - %:                             | 92     |
| Assumed Specific Gravity for Degree of Saturation:    | 2.90   |

| Test Result                            |                |
|----------------------------------------|----------------|
| Load Frame/Machine:                    | CM1/Controls   |
| Date of test:                          | 16/05/2023     |
| Test Duration - mins:                  | 00:30          |
| Orientation:                           | Unknown        |
| Stress Rate - MPa/s:                   | 0.63           |
| Strain at Failure - kN:                | 108.22         |
| Unconfined Compressive Strength - Mpa: | 19             |
| Mode of Failure:                       | Vertical Shear |

**Remarks:** -



Plots NT02-04

**Contract No:**  
**PSL23/3059**  
**Client Ref:**  
**4328**

# UNIAXIAL COMPRESSIVE STRENGTH

ISRM Suggested Methods - Rock Characterization Testing and Monitoring 1974 - 2006

**Borehole Number:** RBH306 **Top Depth (m):** 18.98

**Sample Number:** - **Base Depth (m):** 19.22

**Sample Type:** C **Sample Date:** -

**Storage Condition:** Sealed **Date of Receipt:** 25/04/2023

**Sample Description:** Reddish brown SANDSTONE

| Specimen Details/Conditions                           |        |
|-------------------------------------------------------|--------|
| Diameter - mm:                                        | 85.21  |
| Height - mm:                                          | 195.28 |
| Water Content - %:                                    | 9.8    |
| Sample Mass - g:                                      | 2780.5 |
| Bulk Density - Mg/m <sup>3</sup> :                    | 2.50   |
| Dry Density - Mg/m <sup>3</sup> :                     | 2.27   |
| Height Ratio: * Sample does not comply with H:D ratio | 2.3    |
| Degree of Saturation - %:                             | 103    |
| Assumed Specific Gravity for Degree of Saturation:    | 2.90   |

| Test Result                            |                |
|----------------------------------------|----------------|
| Load Frame/Machine:                    | CM1/Controls   |
| Date of test:                          | 16/05/2023     |
| Test Duration - mins:                  | 00:28          |
| Orientation:                           | Unknown        |
| Stress Rate - MPa/s:                   | 0.65           |
| Strain at Failure - kN:                | 103.27         |
| Unconfined Compressive Strength - Mpa: | 18.1           |
| Mode of Failure:                       | Vertical Shear |

**Remarks:** -



Plots NT02-04

**Contract No:**  
PSL23/3059  
**Client Ref:**  
4328

# UNIAXIAL COMPRESSIVE STRENGTH

ISRM Suggested Methods - Rock Characterization Testing and Monitoring 1974 - 2006

**Borehole Number:** RBH306 **Top Depth (m):** 22.14

**Sample Number:** - **Base Depth (m):** 22.34

**Sample Type:** C **Sample Date:** -

**Storage Condition:** Sealed **Date of Receipt:** 25/04/2023

**Sample Description:** Brown SANDSTONE

| Specimen Details/Conditions                           |        |
|-------------------------------------------------------|--------|
| Diameter - mm:                                        | 85.01  |
| Height - mm:                                          | 195.25 |
| Water Content - %:                                    | 7.1    |
| Sample Mass - g:                                      | 2768.1 |
| Bulk Density - Mg/m <sup>3</sup> :                    | 2.50   |
| Dry Density - Mg/m <sup>3</sup> :                     | 2.33   |
| Height Ratio: * Sample does not comply with H:D ratio | 2.3    |
| Degree of Saturation - %:                             | 84     |
| Assumed Specific Gravity for Degree of Saturation:    | 2.90   |

| Test Result                            |                |
|----------------------------------------|----------------|
| Load Frame/Machine:                    | CM1/Controls   |
| Date of test:                          | 16/05/2023     |
| Test Duration - mins:                  | 00:27          |
| Orientation:                           | Unknown        |
| Stress Rate - MPa/s:                   | 0.64           |
| Strain at Failure - kN:                | 98.97          |
| Unconfined Compressive Strength - Mpa: | 17.4           |
| Mode of Failure:                       | Vertical Shear |

**Remarks:** -



Plots NT02-04

**Contract No:**  
**PSL23/3059**  
**Client Ref:**  
**4328**

# UNIAXIAL COMPRESSIVE STRENGTH

ISRM Suggested Methods - Rock Characterization Testing and Monitoring 1974 - 2006

**Borehole Number:** RBH307 **Top Depth (m):** 18.57

**Sample Number:** - **Base Depth (m):** 18.83

**Sample Type:** C **Sample Date:** -

**Storage Condition:** Sealed **Date of Receipt:** 25/04/2023

**Sample Description:** Brown MUDSTONE

| Specimen Details/Conditions                        |                                                |
|----------------------------------------------------|------------------------------------------------|
| Diameter - mm:                                     | 85.02                                          |
| Height - mm:                                       | 195.18                                         |
| Water Content - %:                                 | 8.9                                            |
| Sample Mass - g:                                   | 2689.2                                         |
| Bulk Density - Mg/m <sup>3</sup> :                 | 2.43                                           |
| Dry Density - Mg/m <sup>3</sup> :                  | 2.23                                           |
| Height Ratio:                                      | * Sample does not comply with H:D ratio<br>2.3 |
| Degree of Saturation - %:                          | 86                                             |
| Assumed Specific Gravity for Degree of Saturation: | 2.90                                           |

| Test Result                            |                |
|----------------------------------------|----------------|
| Load Frame/Machine:                    | CM1/Controls   |
| Date of test:                          | 16/05/2023     |
| Test Duration - mins:                  | 00:18          |
| Orientation:                           | Unknown        |
| Stress Rate - MPa/s:                   | 0.60           |
| Strain at Failure - kN:                | 61.27          |
| Unconfined Compressive Strength - Mpa: | 10.8           |
| Mode of Failure:                       | Vertical Shear |

**Remarks:** -



Plots NT02-04

**Contract No:**  
PSL23/3059  
**Client Ref:**  
4328

# UNIAXIAL COMPRESSIVE STRENGTH

ISRM Suggested Methods - Rock Characterization Testing and Monitoring 1974 - 2006

**Borehole Number:** RBH307 **Top Depth (m):** 18.83

**Sample Number:** - **Base Depth (m):** 19.04

**Sample Type:** C **Sample Date:** -

**Storage Condition:** Sealed **Date of Receipt:** 25/04/2023

**Sample Description:** Brown laminated MUDSTONE/SANDSTONE

| Specimen Details/Conditions                           |        |
|-------------------------------------------------------|--------|
| Diameter - mm:                                        | 85.17  |
| Height - mm:                                          | 195.21 |
| Water Content - %:                                    | 8.7    |
| Sample Mass - g:                                      | 3101.6 |
| Bulk Density - Mg/m <sup>3</sup> :                    | 2.79   |
| Dry Density - Mg/m <sup>3</sup> :                     | 2.57   |
| Height Ratio: * Sample does not comply with H:D ratio | 2.3    |
| Degree of Saturation - %:                             | 193    |
| Assumed Specific Gravity for Degree of Saturation:    | 2.90   |

| Test Result                            |                |
|----------------------------------------|----------------|
| Load Frame/Machine:                    | CM1/Controls   |
| Date of test:                          | 16/05/2023     |
| Test Duration - mins:                  | 00:29          |
| Orientation:                           | Unknown        |
| Stress Rate - MPa/s:                   | 0.71           |
| Strain at Failure - kN:                | 118.00         |
| Unconfined Compressive Strength - Mpa: | 20.7           |
| Mode of Failure:                       | Vertical Shear |

**Remarks:** -



Plots NT02-04

**Contract No:**  
**PSL23/3059**  
**Client Ref:**  
**4328**



# LABORATORY REPORT



**Contract Number: PSL23/8417**

Report Date: 20 October 2023  
Client's Reference: 4328  
Client Name: RoC Consulting  
Spring Lodge, 172 Chester Road  
Helsby  
Cheshire  
WA6 0AR

**For the attention of: Reece McGuinness**

Contract Title: Plot NT03 Mound

Date Received: 3/10/2023  
Date Commenced: 3/10/2023  
Date Completed: 20/10/2023

**Notes: Opinions and Interpretations are outside the UKAS Accreditation**

A copy of the Laboratory Schedule of accredited tests as issued by UKAS is attached to this report. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced other than in full, without the prior written approval of the laboratory.

Checked and Approved Signatories:

A Watkins  
(Director)

R Berriman  
(Quality Manager)

S Royle  
(Laboratory Manager)

L Knight  
(Assistant Laboratory Manager)

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Page 1 of

# SUMMARY OF LABORATORY SOIL DESCRIPTIONS

| Hole Number | Sample Number | Sample Type | Top Depth m | Base Depth m | Description of Sample                       |
|-------------|---------------|-------------|-------------|--------------|---------------------------------------------|
| RBH401      |               | B           | 0.20        | 1.00         | Dark brown TOPSOIL.                         |
| RBH401      |               | D           | 6.50        | -            | Brown very gravelly very sandy CLAY.        |
| RBH401      |               | D           | 8.00        | -            | Brown gravelly sandy CLAY.                  |
| RBH401      |               | B           | 12.00       | 13.20        | Brown very sandy silty GRAVEL with cobbles. |
| RBH402      |               | D           | 1.50        | -            | Brown very gravelly sandy CLAY.             |
| RBH402      |               | B           | 5.30        | -            | Brown slightly gravelly very sandy CLAY.    |
| RBH402      |               | B           | 10.00       | -            | Brown slightly gravelly very sandy CLAY.    |
| RBH402      |               | B           | 10.50       | 12.00        | Brown gravelly very clayey SAND.            |
| RBH403      |               | B           | 3.50        | 5.30         | Brown TOPSOIL.                              |
| RBH403      |               | D           | 6.00        | -            | Brown very gravelly very sandy CLAY.        |
| RBH403      |               | B           | 17.50       | -            | Brown slightly gravelly very sandy CLAY.    |
|             |               |             |             |              |                                             |
|             |               |             |             |              |                                             |
|             |               |             |             |              |                                             |
|             |               |             |             |              |                                             |
|             |               |             |             |              |                                             |
|             |               |             |             |              |                                             |
|             |               |             |             |              |                                             |
|             |               |             |             |              |                                             |
|             |               |             |             |              |                                             |



Plot NT03 Mound

Contract No:

PSL23/8417

Client Ref:

4328

## SUMMARY OF SOIL CLASSIFICATION TESTS

**(BS1377 : PART 2 : 1990)**

[illegible]

**SYMBOLS : NP : Non Plastic**

**\* : Liquid Limit and Plastic Limit Wet Sieved.**



### Plot NT03 Mound

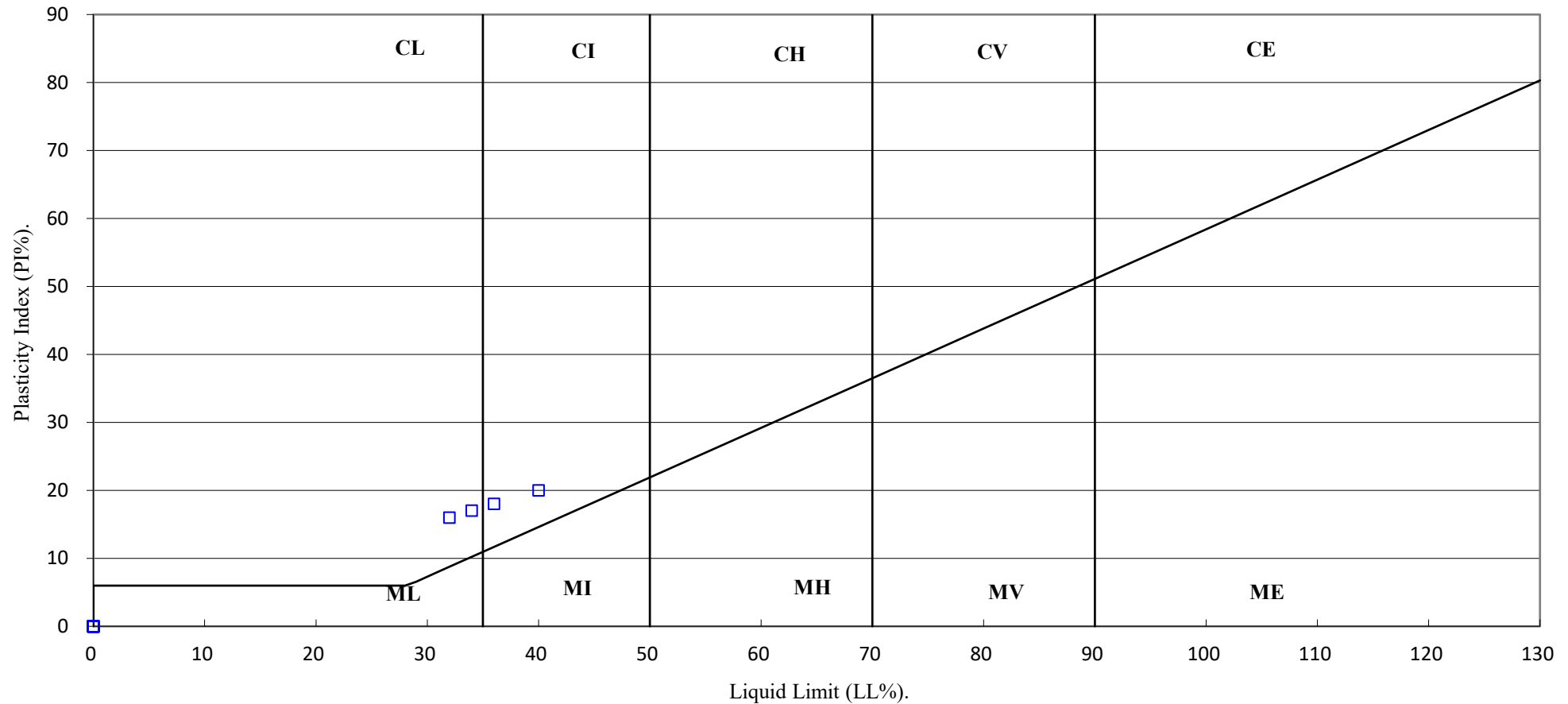
**Contract No:**

PSL23/8417

**Client Ref:**

4328

# PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.



Plot NT03 Mound

Contract No:

PSL23/8417

Client Ref:

4328

# PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

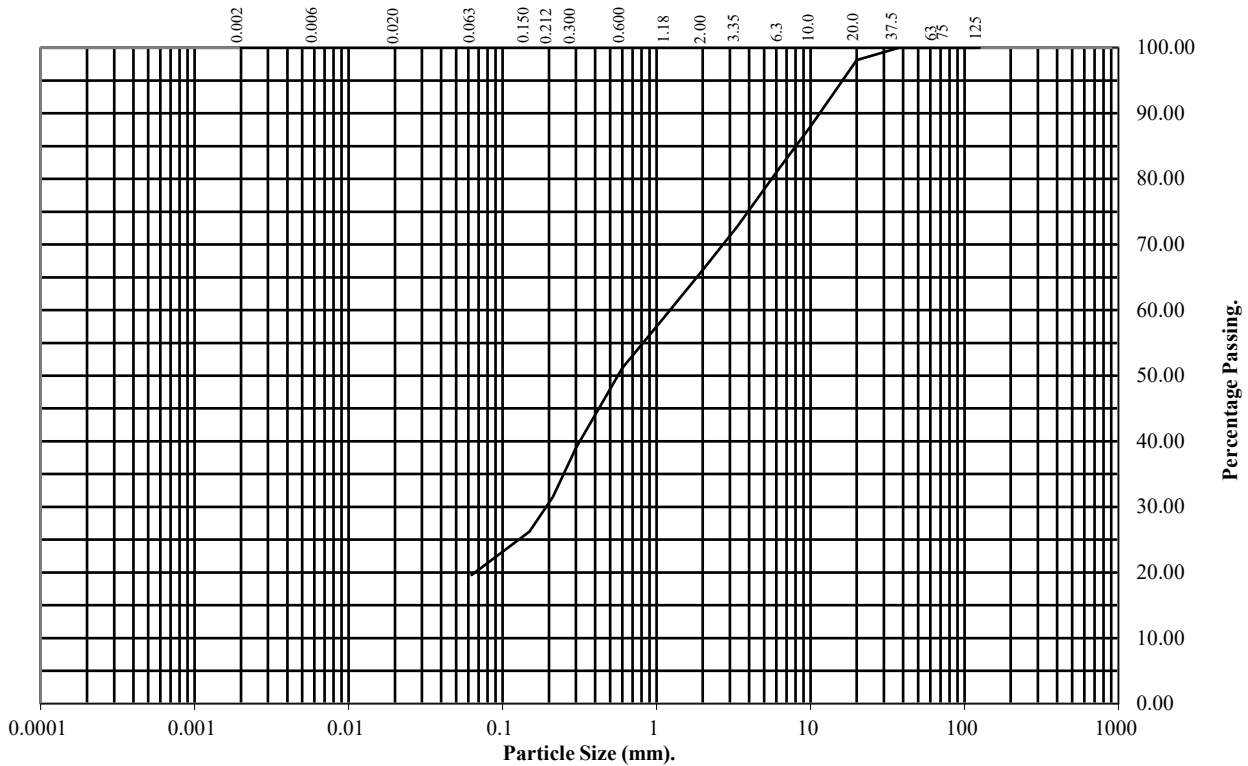
Hole Number: RBH401

Top Depth (m): 0.20

Sample Number:

Base Depth(m): 1.00

Sample Type: B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 100                |
| 37.5               | 100                |
| 20                 | 98                 |
| 10                 | 88                 |
| 6.3                | 82                 |
| 3.35               | 73                 |
| 2                  | 66                 |
| 1.18               | 60                 |
| 0.6                | 51                 |
| 0.3                | 39                 |
| 0.212              | 32                 |
| 0.15               | 26                 |
| 0.063              | 20                 |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 0                |
| Gravel        | 34               |
| Sand          | 46               |
| Silt/Clay     | 20               |

## Remarks:

See Summary of Soil Descriptions



Plot NT03 Mound

|              |
|--------------|
| Contract No: |
| PSL23/8417   |
| Client Ref:  |
| 4328         |

# PARTICLE SIZE DISTRIBUTION TEST

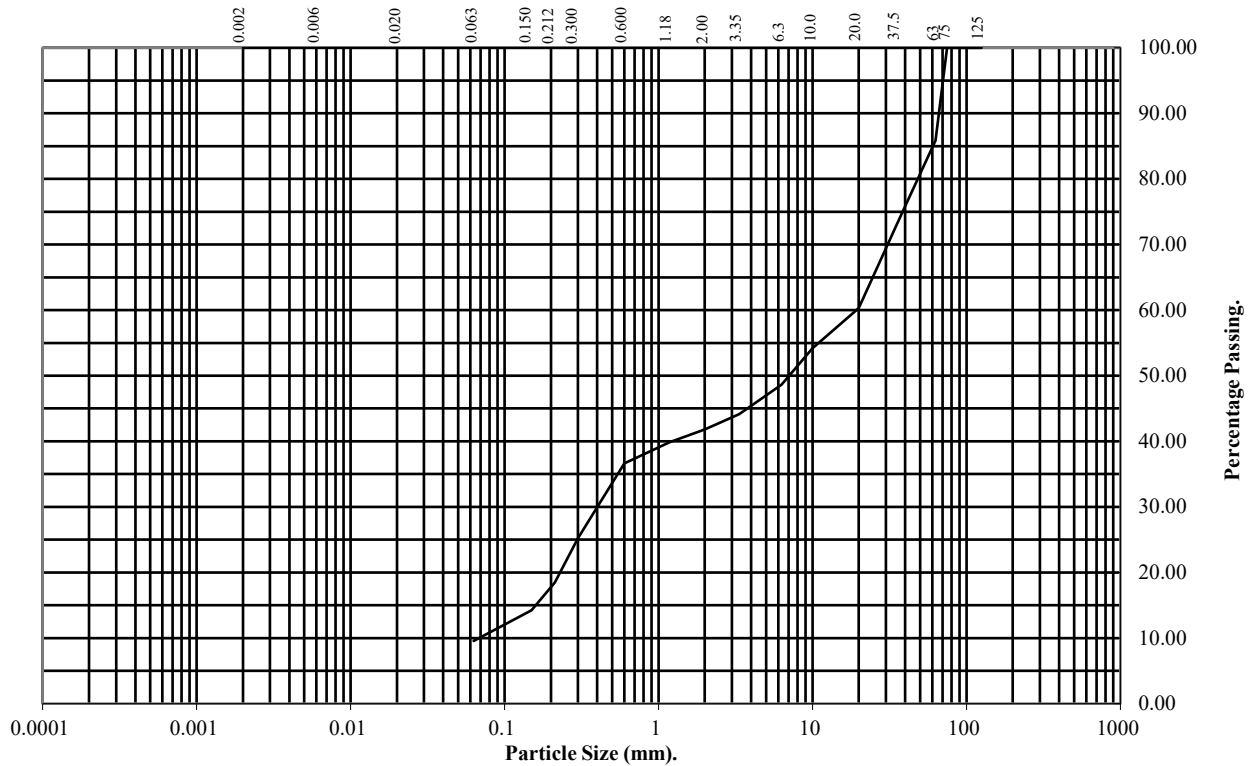
BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number: RBH401 Top Depth (m): 12.00

Sample Number: Base Depth(m): 13.20

Sample Type: B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 86                 |
| 37.5               | 74                 |
| 20                 | 60                 |
| 10                 | 54                 |
| 6.3                | 49                 |
| 3.35               | 44                 |
| 2                  | 42                 |
| 1.18               | 40                 |
| 0.6                | 37                 |
| 0.3                | 25                 |
| 0.212              | 18                 |
| 0.15               | 14                 |
| 0.063              | 10                 |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 14               |
| Gravel        | 44               |
| Sand          | 32               |
| Silt/Clay     | 10               |

## Remarks:

See Summary of Soil Descriptions



Plot NT03 Mound

|              |
|--------------|
| Contract No: |
| PSL23/8417   |
| Client Ref:  |
| 4328         |

# PARTICLE SIZE DISTRIBUTION TEST

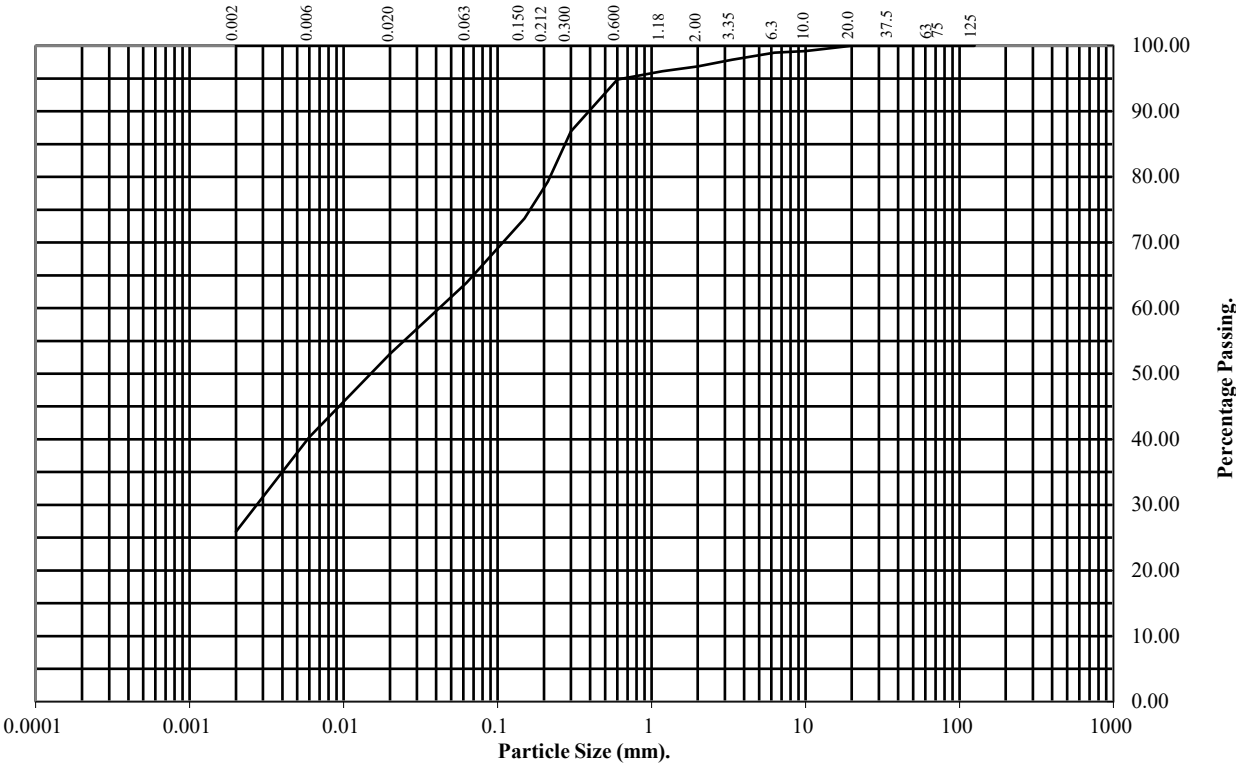
BS1377 : Part 2 : 1990

Wet Sieve & Pipette Analysis, Clause 9.2 & 9.4

Hole Number: RBH402 Top Depth (m): 5.30

Sample Number: Base Depth(m):

Sample Type: B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 100                |
| 37.5               | 100                |
| 20                 | 100                |
| 10                 | 99                 |
| 6.3                | 99                 |
| 3.35               | 98                 |
| 2                  | 97                 |
| 1.18               | 96                 |
| 0.6                | 95                 |
| 0.3                | 87                 |
| 0.212              | 79                 |
| 0.15               | 74                 |
| 0.063              | 64                 |

| Particle Diameter | Percentage Passing |
|-------------------|--------------------|
| 0.02              | 53                 |
| 0.006             | 40                 |
| 0.002             | 26                 |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 0                |
| Gravel        | 3                |
| Sand          | 33               |
| Silt          | 38               |
| Clay          | 26               |

**Remarks:**  
See Summary of Soil Descriptions



Plot NT03 Mound

Contract No:  
PSL23/8417  
Client Ref:  
4328

# PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

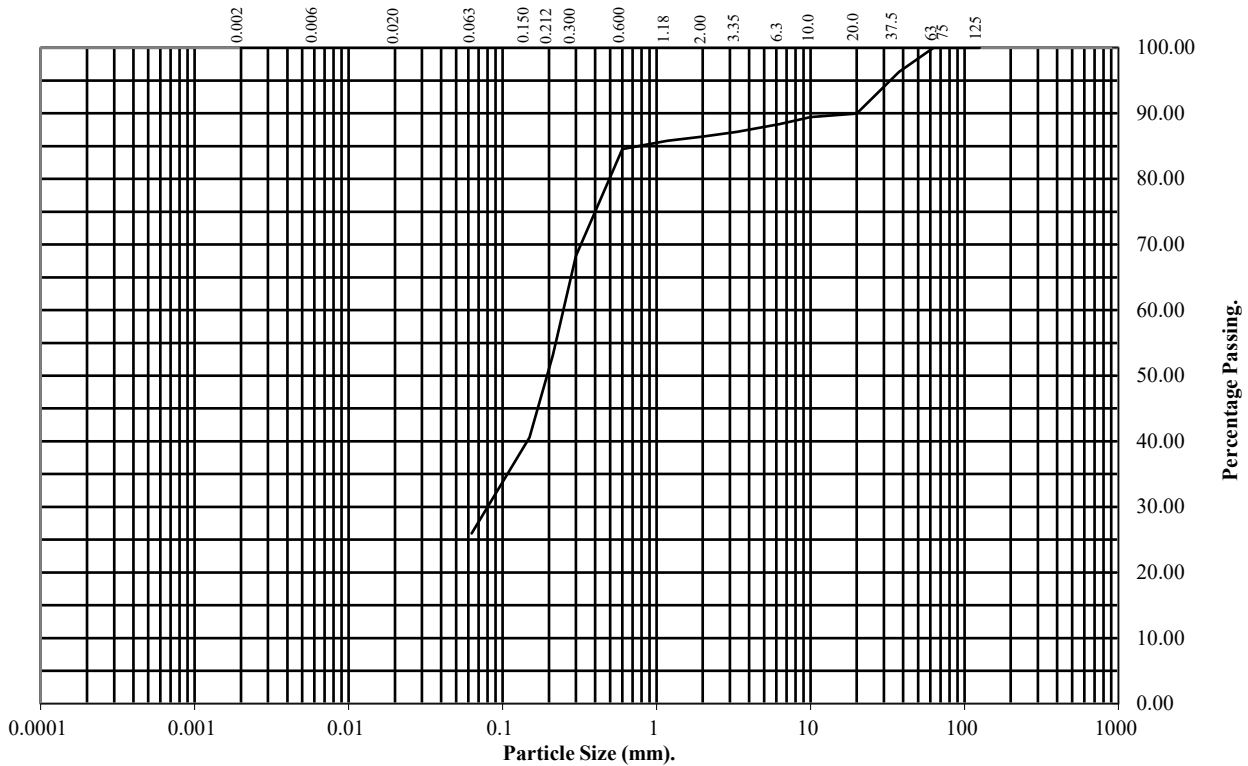
Hole Number: RBH402

Top Depth (m): 10.50

Sample Number:

Base Depth(m): 12.00

Sample Type: B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 100                |
| 37.5               | 96                 |
| 20                 | 90                 |
| 10                 | 89                 |
| 6.3                | 88                 |
| 3.35               | 87                 |
| 2                  | 86                 |
| 1.18               | 86                 |
| 0.6                | 85                 |
| 0.3                | 68                 |
| 0.212              | 53                 |
| 0.15               | 41                 |
| 0.063              | 26                 |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 0                |
| Gravel        | 14               |
| Sand          | 60               |
| Silt/Clay     | 26               |

## Remarks:

See Summary of Soil Descriptions



Plot NT03 Mound

|              |
|--------------|
| Contract No: |
| PSL23/8417   |
| Client Ref:  |
| 4328         |

# PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number:

RBH402

Top Depth (m):

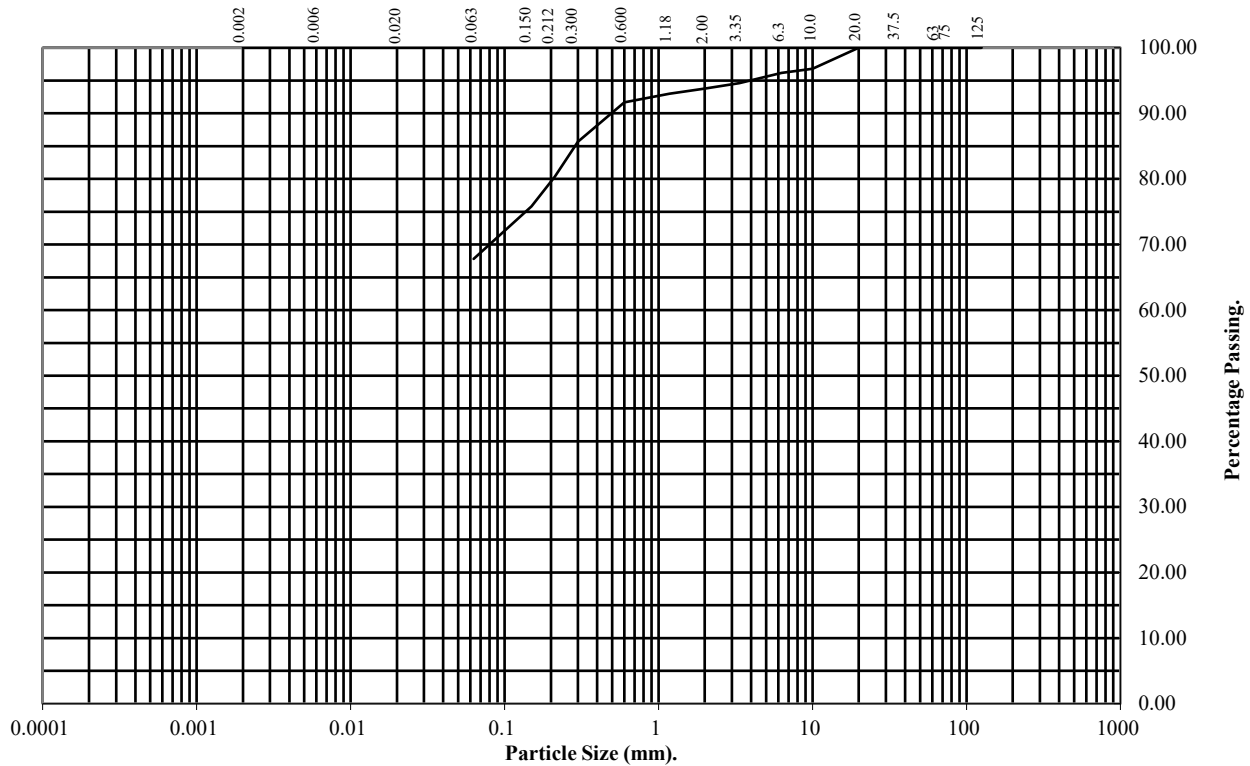
10.00

Sample Number:

Base Depth(m):

Sample Type:

B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 100                |
| 37.5               | 100                |
| 20                 | 100                |
| 10                 | 97                 |
| 6.3                | 96                 |
| 3.35               | 95                 |
| 2                  | 94                 |
| 1.18               | 93                 |
| 0.6                | 92                 |
| 0.3                | 86                 |
| 0.212              | 80                 |
| 0.15               | 76                 |
| 0.063              | 68                 |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 0                |
| Gravel        | 6                |
| Sand          | 26               |
| Silt/Clay     | 68               |

## Remarks:

See Summary of Soil Descriptions



Plot NT03 Mound

|              |
|--------------|
| Contract No: |
| PSL23/8417   |
| Client Ref:  |
| 4328         |

# PARTICLE SIZE DISTRIBUTION TEST

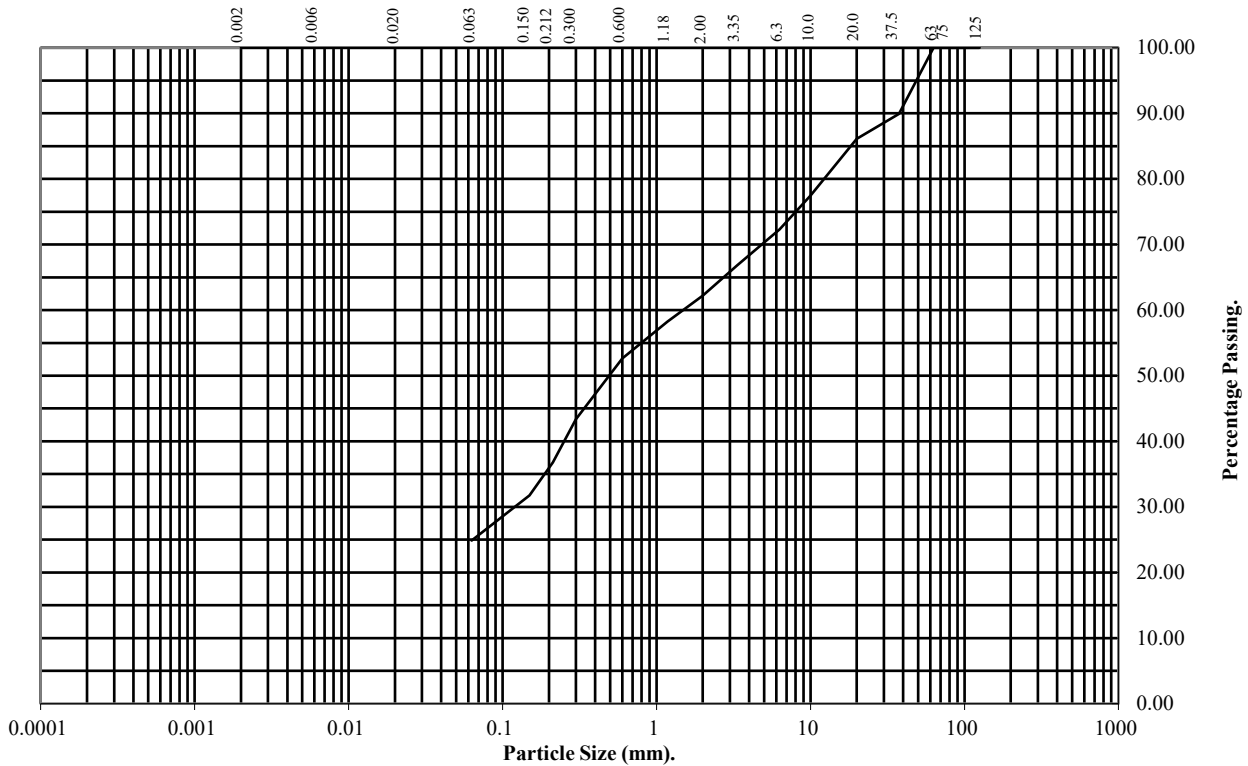
BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number: RBH403 Top Depth (m): 3.50

Sample Number: Base Depth(m): 5.30

Sample Type: B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 100                |
| 37.5               | 90                 |
| 20                 | 86                 |
| 10                 | 77                 |
| 6.3                | 72                 |
| 3.35               | 67                 |
| 2                  | 62                 |
| 1.18               | 58                 |
| 0.6                | 53                 |
| 0.3                | 43                 |
| 0.212              | 37                 |
| 0.15               | 32                 |
| 0.063              | 25                 |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 0                |
| Gravel        | 38               |
| Sand          | 37               |
| Silt/Clay     | 25               |

## Remarks:

See Summary of Soil Descriptions



Plot NT03 Mound

|              |
|--------------|
| Contract No: |
| PSL23/8417   |
| Client Ref:  |
| 4328         |

# PARTICLE SIZE DISTRIBUTION TEST

BS1377 : Part 2 : 1990

Wet Sieve, Clause 9.2

Hole Number:

RBH403

Top Depth (m):

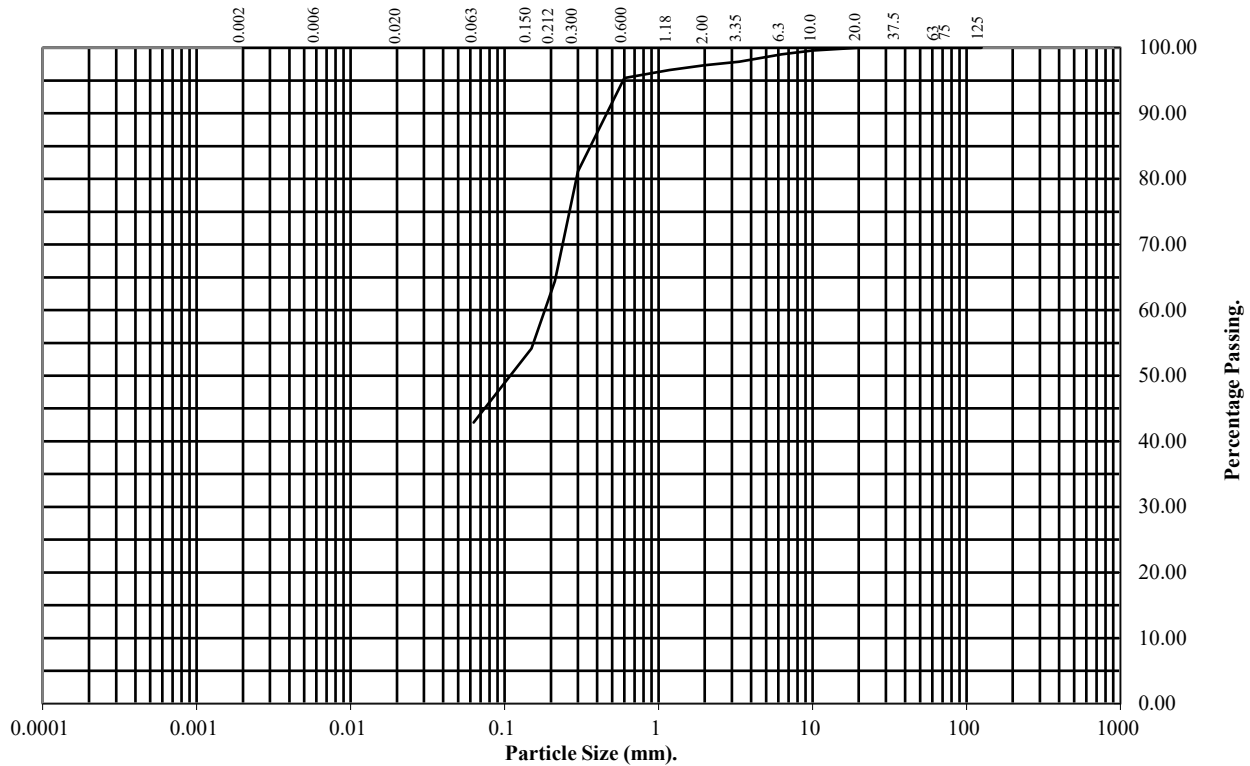
17.50

Sample Number:

Base Depth(m):

Sample Type:

B



| BS Test Sieve (mm) | Percentage Passing |
|--------------------|--------------------|
| 125                | 100                |
| 75                 | 100                |
| 63                 | 100                |
| 37.5               | 100                |
| 20                 | 100                |
| 10                 | 100                |
| 6.3                | 99                 |
| 3.35               | 98                 |
| 2                  | 97                 |
| 1.18               | 97                 |
| 0.6                | 95                 |
| 0.3                | 81                 |
| 0.212              | 64                 |
| 0.15               | 54                 |
| 0.063              | 43                 |

| Soil Fraction | Total Percentage |
|---------------|------------------|
| Cobbles       | 0                |
| Gravel        | 3                |
| Sand          | 54               |
| Silt/Clay     | 43               |

## Remarks:

See Summary of Soil Descriptions



Plot NT03 Mound

|              |
|--------------|
| Contract No: |
| PSL23/8417   |
| Client Ref:  |
| 4328         |

# UNIAXIAL COMPRESSIVE STRENGTH

ISRM Suggested Methods - Rock Characterization Testing and Monitoring 1974 - 2006

**Borehole Number:** RBH401 **Top Depth (m):** 19.45

**Sample Number:** - **Base Depth (m):** 20.21

**Sample Type:** C **Sample Date:** -

**Storage Condition:** - **Date of Receipt:** -

**Sample Description:** -

| Specimen Details/Conditions                           |        |
|-------------------------------------------------------|--------|
| Diameter - mm:                                        | 90.21  |
| Height - mm:                                          | 210.06 |
| Water Content - %:                                    | 16.1   |
| Sample Mass - g:                                      | 3032.6 |
| Bulk Density - Mg/m <sup>3</sup> :                    | 2.26   |
| Dry Density - Mg/m <sup>3</sup> :                     | 1.95   |
| Height Ratio: * Sample does not comply with H:D ratio | 2.3    |
| Degree of Saturation - %:                             | 95     |
| Assumed Specific Gravity for Degree of Saturation:    | 2.90   |

| Test Result                            |                |
|----------------------------------------|----------------|
| Load Frame/Machine:                    | CM1/Controls   |
| Date of test:                          | 13/10/2023     |
| Test Duration - mins:                  | 00:17          |
| Orientation:                           | Unknown        |
| Stress Rate - MPa/s:                   | 0.07           |
| Strain at Failure - kN:                | 7.11           |
| Unconfined Compressive Strength - Mpa: | 1.11           |
| Mode of Failure:                       | Vertical Shear |

**Remarks:** -



**Plot NT03 Mound**

**Contract No:**  
**PSL23/8417**  
**Client Ref:**  
**4328**

Client emailed 13-10-23

## Test Amendment Notice

|                          |                  |
|--------------------------|------------------|
| Date:                    | 13-10-23         |
| PSL Contract Reference:  | PSL23/8417       |
| Contract Title:          | Plot NT03        |
| Engineer/Client Details: | Reece McGuinness |
| Sample Details:          | RBH403 19M Core  |
| Testing required:        | UCS              |

### Details of Unsuitability

The above sample cannot be performed due to the following reasons:

- 1 The Sample has not been received ✓
- 2 There is insufficient material for the required testing:  
Sample Mass received (g) .....  
Sample Mass required (g) .....
- 3 The sample has been previously tested
- 4 The sample has been misplaced in the laboratory
- 5 The sample is unsuitable for testing because .....  
.....  
.....

Please advise action required:

- 1 Perform the testing on the following sample .....
- 2 Combine samples has follows for testing: .....
- 3 Perform the following alternative testing: .....
- 4 Perform a non standard test:
- 5 Take no further action
- 6 Undertake the following instructions: .....  
.....  
.....

Signed .....

Date .....

(Project Engineer)





COMPLEX CHALLENGES ...  
MADE SIMPLE

# APPENDIX E – GROUND GAS / WATER MONITORING RESULTS

|                                                                                                                                                                                                       |                         |                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------|
|  <p><b>Civil, Structural &amp; Environmental Engineers</b></p> <p>Commercial Wharf, 6 Commercial St, MCR, M15 4PZ</p> | <b>Job No:</b> 4328     | <b>Site:</b> Plots NT02-NT04       |
|                                                                                                                                                                                                       | <b>Date:</b> 25/08/2022 | <b>Client:</b> Far East Consortium |
|                                                                                                                                                                                                       | <b>Engineer:</b> RM     | <b>Equipment:</b> GFM435           |

|                                   |                 |                 |                      |
|-----------------------------------|-----------------|-----------------|----------------------|
|                                   | 2 Days Prior    | 1 Day Prior     | On day of Monitoring |
| <b>Weather Conditions:</b>        | Scattered Cloud | Scattered Cloud | Clear                |
| <b>Barometric Pressure Trend:</b> | Rising          | Rising          | Steady               |
| <b>Surface Ground Conditions:</b> | Dry             |                 |                      |

|                             |              |               |
|-----------------------------|--------------|---------------|
| <b>VISIT ONE</b>            | <b>Start</b> | <b>Finish</b> |
| <b>Time:</b>                | 0900         | 1600          |
| <b>Barometric Pressure:</b> | 1015         | 1016          |
| <b>Background Oxygen:</b>   | 20.9         | 20.7          |

| Monitoring Point | Flow Rate (l/h) | Gas Concentration |                   |                  |       |                            |                 |                   |                   |                  |       |                            | Groundwater    |               |               | Remarks |
|------------------|-----------------|-------------------|-------------------|------------------|-------|----------------------------|-----------------|-------------------|-------------------|------------------|-------|----------------------------|----------------|---------------|---------------|---------|
|                  |                 | Peak              |                   |                  |       |                            |                 | Steady            |                   |                  |       |                            | Depth to Water | Depth to Base | Head of water |         |
| BH N°            |                 | CH <sub>4</sub> % | CO <sub>2</sub> % | O <sub>2</sub> % | LEL % | H <sub>2</sub> S/C O (ppm) | Flow Rate (l/h) | CH <sub>4</sub> % | CO <sub>2</sub> % | O <sub>2</sub> % | LEL % | H <sub>2</sub> S/C O (ppm) |                |               |               |         |
| WS204            | 0               | 0                 | 13.4              | 3.2              | <<<   | 0/0                        | 0               | 0                 | 13.4              | 3.2              | <<<   | 0/0                        | Dry            | 1.51          |               |         |
| LK WS105B        | 0               | 0                 | 4.6               | 14.4             | <<<   | 0/0                        | 0               | 0                 | 4.6               | 14.4             | <<<   | 0/0                        | Dry            | 2.80          |               |         |
| WS202            | 0               | 0                 | 8                 | 11.5             | <<<   | 0/0                        | 0               | 0                 | 8                 | 11.5             | <<<   | 0                          | Dry            | 1.68          |               |         |
| WS203            | 0               | 0                 | 2.9               | 15.5             | <<<   | 0/0                        | 0               | 0                 | 2.9               | 15.5             | <<<   | 0                          | Dry            | 0.66          |               |         |
|                  |                 |                   |                   |                  |       |                            |                 |                   |                   |                  |       |                            |                |               |               |         |
|                  |                 |                   |                   |                  |       |                            |                 |                   |                   |                  |       |                            |                |               |               |         |

**Comments:** <<< = Below limit of detection

|                                                                                                                                                                                                    |                         |                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------|
|  <p><b>Civil, Structural &amp; Environmental Engineers</b><br/>Commercial Wharf, 6 Commercial St, MCR, M15 4PZ</p> | <b>Job No:</b> 4328     | <b>Site:</b> Plots NT02-NT04       |
|                                                                                                                                                                                                    | <b>Date:</b> 27/09/2022 | <b>Client:</b> Far East Consortium |
|                                                                                                                                                                                                    | <b>Engineer:</b> RM     | <b>Equipment:</b> GFM435           |

|                                   |              |             |                      |
|-----------------------------------|--------------|-------------|----------------------|
|                                   | 2 Days Prior | 1 Day Prior | On day of Monitoring |
| <b>Weather Conditions:</b>        | Overcast     | Overcast    | Overcast             |
| <b>Barometric Pressure Trend:</b> | Falling      | Rising      | Falling              |
| <b>Surface Ground Conditions:</b> | Dry          |             |                      |

|                             |              |               |
|-----------------------------|--------------|---------------|
| <b>VISIT TWO</b>            | <b>Start</b> | <b>Finish</b> |
| <b>Time:</b>                | 1300         | 1600.00       |
| <b>Barometric Pressure:</b> | 992          | 992           |
| <b>Background Oxygen:</b>   | 20.7         | 20.3          |

| Monitoring Point | Flow Rate (l/h) | Gas Concentration |                   |                  |       |                            |   |                 |                   |                   |                  |       | Groundwater                |                |               | Remarks |               |
|------------------|-----------------|-------------------|-------------------|------------------|-------|----------------------------|---|-----------------|-------------------|-------------------|------------------|-------|----------------------------|----------------|---------------|---------|---------------|
|                  |                 | Peak              |                   |                  |       |                            |   | Flow Rate (l/h) | Steady            |                   |                  |       |                            | Depth to Water | Depth to Base |         | Head of water |
| BH N°            |                 | CH <sub>4</sub> % | CO <sub>2</sub> % | O <sub>2</sub> % | LEL % | H <sub>2</sub> S/C O (ppm) |   |                 | CH <sub>4</sub> % | CO <sub>2</sub> % | O <sub>2</sub> % | LEL % | H <sub>2</sub> S/C O (ppm) |                |               |         |               |
| WS209            | 0               | 0                 | 2.4               | 17.7             | <<<   | 0/0                        | 0 | 0               | 2.4               | 17.7              | <<<              | 0/0   | Dry                        | 1.55           | N/A           |         |               |
| WS208            | 0               | 0                 | 2.2               | 18               | <<<   | 0/0                        | 0 | 0               | 2.2               | 18                | <<<              | 0/0   |                            |                |               | 0.90    |               |
| WS213            | 0               | 0                 | 1.9               | 19.1             | <<<   | 0/0                        | 0 | 0               | 1.9               | 19.1              | <<<              | 0/0   |                            |                |               | 0.90    |               |
| WS211            | 0               | 0                 | 4.4               | 15.1             | <<<   | 0/0                        | 0 | 0               | 4.4               | 15.1              | <<<              | 0/0   |                            |                |               | 1.82    |               |
| LK WS103         | 0               | 0                 | 8.9               | 3                | <<<   | 0/0                        | 0 | 0               | 8.9               | 3                 | <<<              | 0/0   |                            |                |               | 2.96    |               |
| WS204            | 0               | 0                 | 11.5              | 2.8              | <<<   | 0/0                        | 0 | 0               | 11.5              | 2.8               | <<<              | 0/0   |                            |                |               | 1.51    |               |
| WS202            | 0               | 0                 | 8.8               | 11.3             | <<<   | 0/0                        | 0 | 0               | 8.8               | 11.3              | <<<              | 0/0   |                            |                |               | 1.68    |               |
| WS203            | 0               | 0                 | 3.1               | 14.6             | <<<   | 0/0                        | 0 | 0               | 3.1               | 14.6              | <<<              | 0/0   |                            |                |               | 0.66    |               |
| LK WS105B        | 0               | 0                 | 6.9               | 11.3             | <<<   | 0/0                        | 0 | 0               | 6.9               | 11.3              | <<<              | 0/0   |                            |                |               | 2.80    |               |
| LK WS201         | 0               | 0                 | 4.8               | 14               | <<<   | 0/0                        | 0 | 0               | 4.8               | 14                | <<<              | 0/0   |                            |                |               | 3.34    |               |

**Comments:** <<< = Below limit of detection

|                                                                                                                                                                                                       |                         |                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------|
|  <p><b>Civil, Structural &amp; Environmental Engineers</b></p> <p>Commercial Wharf, 6 Commercial St, MCR, M15 4PZ</p> | <b>Job No:</b> 4328     | <b>Site:</b> Plots NT02-NT04       |
|                                                                                                                                                                                                       | <b>Date:</b> 04/10/2022 | <b>Client:</b> Far East Consortium |
|                                                                                                                                                                                                       | <b>Engineer:</b> RM     | <b>Equipment:</b> GFM435           |

|                                   |                 |             |                      |
|-----------------------------------|-----------------|-------------|----------------------|
|                                   | 2 Days Prior    | 1 Day Prior | On day of Monitoring |
| <b>Weather Conditions:</b>        | Overcast / Rain | Overcast    | Rain                 |
| <b>Barometric Pressure Trend:</b> | Rising          | Falling     | Falling              |
| <b>Surface Ground Conditions:</b> | Wet             |             |                      |

|                             |              |               |
|-----------------------------|--------------|---------------|
| <b>VISIT THREE</b>          | <b>Start</b> | <b>Finish</b> |
| <b>Time:</b>                | 1230         | 1610          |
| <b>Barometric Pressure:</b> | 1007         | 1006          |
| <b>Background Oxygen:</b>   | 20.7         | 20.5          |

| Monitoring Point | Flow Rate (l/h) | Gas Concentration |                   |                  |       |                            |                 | Groundwater       |                   |                  |       |                            | Remarks        |               |               |
|------------------|-----------------|-------------------|-------------------|------------------|-------|----------------------------|-----------------|-------------------|-------------------|------------------|-------|----------------------------|----------------|---------------|---------------|
|                  |                 | Peak              |                   |                  |       |                            |                 | Steady            |                   |                  |       |                            |                |               |               |
| BH N°            |                 | CH <sub>4</sub> % | CO <sub>2</sub> % | O <sub>2</sub> % | LEL % | H <sub>2</sub> S/C O (ppm) | Flow Rate (l/h) | CH <sub>4</sub> % | CO <sub>2</sub> % | O <sub>2</sub> % | LEL % | H <sub>2</sub> S/C O (ppm) | Depth to Water | Depth to Base | Head of water |
| WS209            | 0               | 0                 | 2.2               | 12.8             | <<<   | 0/0                        | 0               | 0                 | 2.2               | 12.8             | <<<   | 0/0                        | Dry            | 1.55          | N/A           |
| WS208            | 0               | 0                 | 1.9               | 18.5             | <<<   | 0/0                        | 0               | 0                 | 1.9               | 18.5             | <<<   | 0/0                        |                | 0.90          |               |
| WS213            | 0               | 0                 | 2.1               | 18.6             | <<<   | 0/0                        | 0               | 0                 | 2.1               | 18.6             | <<<   | 0/0                        |                | 0.90          |               |
| WS211            | 0               | 0                 | 0.7               | 2                | <<<   | 0/0                        | 0               | 0                 | 0.7               | 2                | <<<   | 0/0                        |                | 1.82          |               |
| LK WS103         | 0               | 0                 | 8.3               | 4.5              | <<<   | 0/0                        | 0               | 0                 | 8.3               | 4.5              | <<<   | 0/0                        |                | 2.96          |               |
| WS204            | 0               | 0                 | 11.4              | 3.7              | <<<   | 0/0                        | 0               | 0                 | 11.4              | 3.7              | <<<   | 0/0                        |                | 1.51          |               |
| WS202            | 0               | 0                 | 8                 | 11.7             | <<<   | 0/0                        | 0               | 0                 | 8                 | 11.7             | <<<   | 0/0                        |                | 1.68          |               |
| WS203            | 0               | 0                 | 3.3               | 15.1             | <<<   | 0/0                        | 0               | 0                 | 3.3               | 15.1             | <<<   | 0/0                        |                | 0.66          |               |
| LK WS105B        | 0               | 0                 | 5.8               | 12.6             | <<<   | 0/0                        | 0               | 0                 | 5.8               | 12.6             | <<<   | 0/0                        |                | 2.80          |               |
| LK WS201         | 3.3             | 0                 | 4.9               | 13.7             | <<<   | 0/0                        | 3.3             | 0                 | 4.9               | 13.7             | <<<   | 0/0                        | 3.34           |               |               |

**Comments:** <<< = Below limit of detection