

Project Name: LFC Academy

Project No.  
088269

Co-ords: 342306.23 - 398525.36

Hole Type  
WS

Location: Liverpool FC Academy, Liverpool, L33 7ED

Level: 36.52

Scale  
1:25

Client: Liverpool FC

Dates: 14/11/2025 - 14/11/2025

Logged By  
LW

| Well | Water Strikes | Samples and In Situ Testing |      |                          | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                   |   |
|------|---------------|-----------------------------|------|--------------------------|-----------|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|      |               | Depth (m)                   | Type | Results                  |           |           |        |                                                                                                                                                       |   |
|      |               |                             |      |                          | 0.27      | 36.25     |        | Grass over TOPSOIL: Light brown sand with frequent rootlets. Sand is fine to medium.                                                                  |   |
|      |               |                             |      |                          | 0.84      | 35.68     |        | Brown and dark brown slightly clayey slightly gravelly SAND. Sand is fine to coarse. Gravel is fine to medium, subrounded to subangular of sandstone. |   |
|      |               | 1.20<br>1.20                | D    | N=32 (2,1/2,18,6,6)      | 1.58      | 34.94     |        | Firm brown sandy slightly gravelly silty CLAY. Sand is fine to coarse. Gravel is fine to coarse, subrounded of sandstone.                             | 1 |
|      |               | 2.00<br>2.00                | B    | N=38<br>(3,6/10,10,8,10) |           |           |        | Reddish brown slightly clayey slightly gravelly SAND. Sand is fine to medium. Gravel is fine to coarse, subrounded of sandstone.                      | 2 |
|      |               | 2.50                        |      | N=51 (9,13/51 for 275mm) | 2.50      | 34.02     |        | End of borehole at 2.50 m                                                                                                                             | 3 |
|      |               |                             |      |                          |           |           |        |                                                                                                                                                       | 4 |
|      |               |                             |      |                          |           |           |        |                                                                                                                                                       | 5 |

### Remarks

Window Sample Borehole to 2.50m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. No water strikes were encountered during excavation.

Project Name: LFC Academy

Project No.  
088269

Co-ords: 342321.70 - 398530.89

Hole Type  
RC

Location: Liverpool FC Academy, Liverpool, L33 7ED

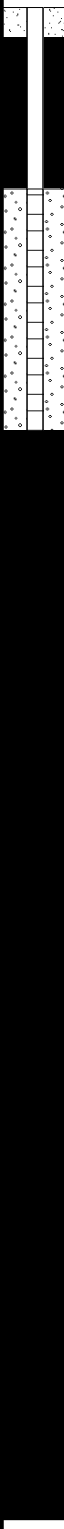
Level: 37.55

Scale  
1:25

Client: Liverpool FC

Dates: 18/11/2025 - 19/11/2025

Logged By  
JP

| Well                                                                               | Water Strikes | Depth (m)   | Type / FI | Coring |     |     | Depth (m) | Level (m)                                                                                                                                                                                                                                                                                                                                | Legend                                                                            | Stratum Description                                                                                                              |   |
|------------------------------------------------------------------------------------|---------------|-------------|-----------|--------|-----|-----|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                                    |               |             |           | TCR    | SCR | RQD |           |                                                                                                                                                                                                                                                                                                                                          |                                                                                   |                                                                                                                                  |   |
|  |               | 0.90 - 1.00 | ES        |        |     |     | 0.20      | 37.35                                                                                                                                                                                                                                                                                                                                    |  | Dark grey TARMACADAM.                                                                                                            | 1 |
|                                                                                    |               |             |           |        |     |     | 0.55      | 37.00                                                                                                                                                                                                                                                                                                                                    |  | MADE GROUND: Very light grey sandy gravel. Sand is fine to coarse. Gravel is fine to coarse, subangular of sandstone.            |   |
|                                                                                    |               |             |           |        |     |     |           |                                                                                                                                                                                                                                                                                                                                          |                                                                                   | MADE GROUND: Dark grey slightly gravelly fine to coarse sand. Gravel is fine to coarse, subangular of brick.                     |   |
|                                                                                    |               | 1.40 - 1.50 | D         |        |     |     | 1.40      | 36.15                                                                                                                                                                                                                                                                                                                                    |  | SPT: N=21 (2,4/7,6,5,3)                                                                                                          | 2 |
|                                                                                    |               |             |           |        |     |     | 1.60      | 35.95                                                                                                                                                                                                                                                                                                                                    |                                                                                   | Dark brown slightly gravelly fine to coarse SAND. Gravel is ifne to coarse, subrounded of mudstone and sandstone.                |   |
|                                                                                    |               | 1.90 - 2.00 | D         |        |     |     | 2.23      | 35.32                                                                                                                                                                                                                                                                                                                                    |  | Brown slightly gravelly very sandy CLAY. Sand is fine to coarse. Gravel is fine to coarse, subrounded of mudstone and sandstone. | 3 |
|                                                                                    |               |             |           |        |     |     |           |                                                                                                                                                                                                                                                                                                                                          |                                                                                   | 2.30 - 2.40                                                                                                                      |   |
|                                                                                    |               | 2.40 - 3.50 | NR        | 35     | 21  | 0   | 2.90      | 34.65                                                                                                                                                                                                                                                                                                                                    |  | SPT: N=50 (4,8/8,10,15,17 FIR 235mm)<br>From 2.40m to 2.95m bgl: No recovery.                                                    | 4 |
|                                                                                    |               |             | NI        |        |     |     |           |                                                                                                                                                                                                                                                                                                                                          |                                                                                   |                                                                                                                                  |   |
|                                                                                    |               |             | 35        |        |     |     |           |                                                                                                                                                                                                                                                                                                                                          |                                                                                   |                                                                                                                                  |   |
|                                                                                    |               | 3.50 - 5.00 | NR        | 89     | 87  | 14  | 4.24      | 33.31                                                                                                                                                                                                                                                                                                                                    |  | From 3.50m to 3.66m bgl: No recovery.                                                                                            | 5 |
|                                                                                    |               |             | 41        |        |     |     |           |                                                                                                                                                                                                                                                                                                                                          |                                                                                   |                                                                                                                                  |   |
|                                                                                    |               |             | NI        |        |     |     |           |                                                                                                                                                                                                                                                                                                                                          |                                                                                   |                                                                                                                                  |   |
|                                                                                    |               |             | 36        |        |     |     |           |                                                                                                                                                                                                                                                                                                                                          |                                                                                   |                                                                                                                                  |   |
|                                                                                    |               |             | 17        |        |     |     |           |                                                                                                                                                                                                                                                                                                                                          |                                                                                   | From 3.93m to 3.96m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                    |   |
|                                                                                    |               |             |           |        |     |     |           | Medium strong reddish brown thinly bedded SANDSTONE with occasional light grey and yellow bands and a low gravel content of subrounded quartzite and sandstone. Fractures are subhorizontal (10-15 degrees) planar smooth (occasionally stepped) closely to widely spaced with reddish brown sand on fracture surfaces (Fracture Set 2). |                                                                                   |                                                                                                                                  |   |
|                                                                                    |               |             |           |        |     |     |           |                                                                                                                                                                                                                                                                                                                                          | Continued on next sheet                                                           |                                                                                                                                  |   |

## Remarks

Dynamic Sample Borehole to 2.4m bgl, with follow-on rotary core drilling to 14.0m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. Water strikes were encountered during the dynamic sample drilling, strikes were unable to be recorded due to the use of water flush drilling.

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088269

Co-ords: 342321.70 - 398530.89

Hole Type  
RC

Location: Liverpool FC Academy, Liverpool, L33 7ED

Level: 37.55

Scale  
1:25

Client: Liverpool FC

Dates: 18/11/2025 - 19/11/2025

Logged By  
JP

| Well | Water Strikes | Depth (m)   | Type / FI | Coring |     |     | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                                                                                                                         |    |
|------|---------------|-------------|-----------|--------|-----|-----|-----------|-----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|      |               |             |           | TCR    | SCR | RQD |           |           |        |                                                                                                                                                                                                                                                                             |    |
|      |               | 5.00 - 6.50 | NR        | 92     | 91  | 65  |           |           |        | From 5.00m to 5.12m bgl: No recovery.                                                                                                                                                                                                                                       | 6  |
|      |               |             |           |        |     |     |           |           |        |                                                                                                                                                                                                                                                                             |    |
|      |               |             |           |        |     |     |           |           |        |                                                                                                                                                                                                                                                                             |    |
|      |               | 6.50 - 8.00 | 10        | 97     | 73  | 42  | 7.37      | 30.18     |        | From 6.28m to 6.30m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                                                                                                                                                               | 7  |
|      |               |             | NR        |        |     |     |           |           |        | From 6.50m to 6.54m bgl: No recovery.                                                                                                                                                                                                                                       |    |
|      |               |             | NI        |        |     |     |           |           |        | From 6.54m to 6.60m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                                                                                                                                                               |    |
|      |               |             | 11        |        |     |     |           |           |        |                                                                                                                                                                                                                                                                             |    |
|      |               |             | NI        |        |     |     |           |           |        | From 6.87m to 6.93m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                                                                                                                                                               |    |
|      |               |             | 25        |        |     |     |           |           |        | From 6.97m to 7.01m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                                                                                                                                                               |    |
|      |               |             | NI        |        |     |     |           |           |        |                                                                                                                                                                                                                                                                             |    |
|      |               |             | 17        |        |     |     |           |           |        |                                                                                                                                                                                                                                                                             |    |
|      |               |             | 30        |        |     |     |           |           |        | Weak brown poorly cemented SANDSTONE with minor siltstone bands and a medium gravel content of subrounded quartzite, mudstone and sandstone. Fractures are horizontal, undulating rough, very closely spaced with reddish brown sand on fracture surfaces (Fracture Set 3). |    |
|      |               |             | NI        |        |     |     |           |           |        |                                                                                                                                                                                                                                                                             |    |
|      |               |             | 10        |        |     |     |           |           |        | From 7.57m to 7.79m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                                                                                                                                                               |    |
|      |               | 8.00 - 9.50 | 5         | 100    | 99  | 82  | 8.20      | 29.35     |        | Medium strong reddish brown thinly bedded SANDSTONE with occasional light grey and yellow bands and a low gravel content of subrounded quartzite and sandstone. Fracture Set 2.                                                                                             | 8  |
|      |               |             | 25        |        |     |     |           |           |        | Medium Strong reddish brown poorly cemented coarse SANDSTONE. Fracture Set 1.                                                                                                                                                                                               |    |
|      |               |             | NI        |        |     |     |           |           |        | From 8.44m to 8.47m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                                                                                                                                                               |    |
|      |               |             |           |        |     |     |           |           |        | Strong reddish brown thinly bedded SANDSTONE with occasional light grey and yellow bands and a low gravel content of subrounded quartzite and sandstone. Fracture Set 2.                                                                                                    |    |
|      |               |             | 4         |        |     |     |           |           |        |                                                                                                                                                                                                                                                                             |    |
|      |               |             |           |        |     |     |           |           |        |                                                                                                                                                                                                                                                                             |    |
|      |               |             | NR        |        |     |     |           |           |        | From 9.50m to 9.57m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                                                                                                                                                               | 9  |
|      |               |             | 6         |        |     |     |           |           |        |                                                                                                                                                                                                                                                                             |    |
|      |               |             |           |        |     |     |           |           |        |                                                                                                                                                                                                                                                                             | 10 |

Continued on next sheet

### Remarks

Dynamic Sample Borehole to 2.4m bgl, with follow-on rotary core drilling to 14.0m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. Water strikes were encountered during the dynamic sample drilling, strikes were unable to be recorded due to the use of water flush drilling.

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Hole Type  
RC

Location: Liverpool FC Academy, Liverpool, L33 7ED

Level: 37.55

Scale  
1:25

Client: Liverpool FC

Dates: 18/11/2025 - 19/11/2025

Logged By  
JP

| Well                       | Water Strikes | Depth (m)                                                                                                                                                                                                                                                                   | Type / FI                                                                                                                                                                | Coring |     |     | Depth (m) | Level (m)                                                                                       | Legend | Stratum Description                                                                             |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
|----------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|-----|-----------|-------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|----|--|--|-------------------------------------------------------------------------------------------------|----|-----|----|----|--|--|--|--|
|                            |               |                                                                                                                                                                                                                                                                             |                                                                                                                                                                          | TCR    | SCR | RQD |           |                                                                                                 |        |                                                                                                 |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
|                            |               | 9.50 - 11.00                                                                                                                                                                                                                                                                | NI                                                                                                                                                                       | 95     | 91  | 72  |           |                                                                                                 |        | From 10.06m to 10.09m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone. | 11 |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
|                            |               |                                                                                                                                                                                                                                                                             | 10                                                                                                                                                                       |        |     |     |           |                                                                                                 |        | From 10.39m to 10.41m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone. |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
|                            |               |                                                                                                                                                                                                                                                                             | 6                                                                                                                                                                        |        |     |     |           |                                                                                                 |        | From 10.75m to 10.78m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone. |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
|                            |               |                                                                                                                                                                                                                                                                             | NI                                                                                                                                                                       |        |     |     |           |                                                                                                 |        |                                                                                                 |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
|                            |               | 11.00 - 12.50                                                                                                                                                                                                                                                               | 7                                                                                                                                                                        | 100    | 98  | 86  |           |                                                                                                 |        |                                                                                                 |    |  |  | From 11.98m to 12.02m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone. | 12 |     |    |    |  |  |  |  |
|                            |               |                                                                                                                                                                                                                                                                             | NI                                                                                                                                                                       |        |     |     |           |                                                                                                 |        |                                                                                                 |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
|                            |               |                                                                                                                                                                                                                                                                             | 5                                                                                                                                                                        |        |     |     |           |                                                                                                 |        |                                                                                                 |    |  |  |                                                                                                 |    | 100 | 92 | 82 |  |  |  |  |
|                            |               |                                                                                                                                                                                                                                                                             | NI                                                                                                                                                                       |        |     |     |           |                                                                                                 |        |                                                                                                 |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
|                            |               | 8                                                                                                                                                                                                                                                                           |                                                                                                                                                                          |        |     |     |           |                                                                                                 |        |                                                                                                 |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
|                            |               | NI                                                                                                                                                                                                                                                                          |                                                                                                                                                                          |        |     |     |           |                                                                                                 |        |                                                                                                 |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
| 13.52                      | 24.03         | Weak brown poorly cemented SANDSTONE with minor siltstone bands and a medium gravel content of subrounded quartzite, mudstone and sandstone. Fractures are horizontal, undulating rough, very closely spaced with reddish brown sand on fracture surfaces (Fracture Set 3). |                                                                                                                                                                          |        |     |     | 14        |                                                                                                 |        |                                                                                                 |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
| 13.64                      | 23.91         |                                                                                                                                                                                                                                                                             |                                                                                                                                                                          |        |     |     |           | From 13.52m to 13.64m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone. |        |                                                                                                 |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
| 14.00                      | 23.55         |                                                                                                                                                                                                                                                                             | Strong reddish brown thinly bedded SANDSTONE with occasional light grey and yellow bands and a low gravel content of subrounded quartzite and sandstone. Fracture Set 2. |        |     |     |           |                                                                                                 |        |                                                                                                 |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |
| End of borehole at 14.00 m |               |                                                                                                                                                                                                                                                                             |                                                                                                                                                                          |        |     |     |           |                                                                                                 |        |                                                                                                 |    |  |  |                                                                                                 |    |     |    |    |  |  |  |  |

## Remarks

Dynamic Sample Borehole to 2.4m bgl, with follow-on rotary core drilling to 14.0m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. Water strikes were encountered during the dynamic sample drilling, strikes were unable to be recorded due to the use of water flush drilling.

Project Name: LFC Academy

Project No.  
088269

Co-ords: 342361.75 - 398483.85

Hole Type  
RC

Location: Liverpool FC Academy, Liverpool, L33 7ED

Level: 38.10

Scale  
1:25

Client: Liverpool FC

Dates: 14/11/2025 - 17/11/2025

Logged By  
JP

| Well | Water Strikes | Depth (m)   | Type / FI | Coring |     |     | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                    |   |
|------|---------------|-------------|-----------|--------|-----|-----|-----------|-----------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|      |               |             |           | TCR    | SCR | RQD |           |           |        |                                                                                                                                                                        |   |
|      |               |             |           |        |     |     | 0.22      | 37.88     |        | Dark grey TARMACADAM.                                                                                                                                                  |   |
|      |               | 0.55        | ES        |        |     |     | 0.55      | 37.55     |        | MADE GROUND: Very light grey sandy gravel. Sand is fine to coarse. Gravel is fine to coarse, subangular of sandstone.                                                  |   |
|      |               |             |           |        |     |     |           |           |        | MADE GROUND: Dark grey slightly gravelly fine to coarse sand. Gravel is fine to coarse, subangular of brick.                                                           |   |
|      |               |             |           |        |     |     |           |           |        | SPT: N=4 (1,0/1,1,1,1)                                                                                                                                                 |   |
|      |               | 1.20 - 2.00 | D         |        |     |     | 1.50      | 36.60     |        | Dark greyish brown slightly gravelly fine to coarse SAND. Gravel is fine to coarse, subangular to subrounded of sandstone.                                             | 1 |
|      |               | 2.00 - 2.20 | D         |        |     |     |           |           |        |                                                                                                                                                                        | 2 |
|      |               |             |           |        |     |     | 2.30      | 35.80     |        | Dense yellowish brown fine to medium SAND.                                                                                                                             |   |
|      |               |             |           |        |     |     |           |           |        | SPT: N=24 (1,0/3,6,7,8)                                                                                                                                                |   |
|      |               | 2.60 - 2.70 | D         |        |     |     | 2.60      | 35.50     |        | Firm grey very sandy CLAY.                                                                                                                                             |   |
|      |               | 3.00        | D         |        |     |     | 2.90      | 35.20     |        | Very dense reddish brown fine to coarse SAND.                                                                                                                          | 3 |
|      |               | 2.90 - 3.40 | B         |        |     |     |           |           |        |                                                                                                                                                                        |   |
|      |               |             |           |        |     |     | 3.40      | 34.70     |        | Reddish brown weathered SANDSTONE recovered as a sandy gravel. Sand is fine to coarse. Gravel is fine to coarse, subangular of sandstone.                              |   |
|      |               |             | NR        |        |     |     |           |           |        | SPT: N=50 (16,9 for 105mm/25,25 for 95mm)<br>From 3.50m to 3.97m bgl: No recovery.                                                                                     |   |
|      |               |             | NI        |        |     |     |           |           |        | From 3.97m to 4.17m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                                                          | 4 |
|      |               | 3.50 - 5.00 |           | 69     | 23  | 0   | 4.30      | 33.80     |        | Medium strong reddish brown coarse grained SANDSTONE. Fractures are subhorizontal (5-15 degrees) undulating smooth very closely spaced with sand on fracture surfaces. |   |
|      |               |             | 20        |        |     |     |           |           |        |                                                                                                                                                                        |   |
|      |               |             |           |        |     |     | 5.00      | 33.10     |        | Continued on next sheet                                                                                                                                                | 5 |

### Remarks

Dynamic Sample Borehole to 3.4m bgl, with follow-on rotary core drilling to 14.0m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. Water strikes were encountered during the dynamic sample drilling, strikes were unable to be recorded due to the use of water flush drilling.

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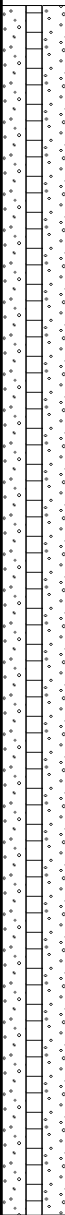
Level: 38.10

Scale  
1:25

Client: Liverpool FC

Dates: 14/11/2025 - 17/11/2025

Logged By  
JP

| Well                                                                               | Water Strikes | Depth (m)   | Type / FI | Coring |     |     | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                                                                                                                                                                                                            |   |
|------------------------------------------------------------------------------------|---------------|-------------|-----------|--------|-----|-----|-----------|-----------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                                    |               |             |           | TCR    | SCR | RQD |           |           |        |                                                                                                                                                                                                                                                                                                                                                                |   |
|  |               | 5.00 - 6.50 | 10        | 100    | 97  | 33  |           |           |        | Strong reddish brown medium SANDSTONE. Fractures are subhorizontal (5-15 degrees) planar rough, subhorizontal, very closely to closely spaced with sand on fracture surfaces (Fracture Set 1)<br><i>From 5.29m to 5.32m bgl: Subvertical (60 degrees) planar smooth fracture.</i>                                                                              | 6 |
|                                                                                    |               |             | NR        |        |     |     |           |           |        | <i>From 6.50m to 6.57m bgl: No recovery.</i>                                                                                                                                                                                                                                                                                                                   |   |
|                                                                                    |               | 6.50 - 8.00 | 15        | 95     | 89  | 53  | 7.30      | 30.80     |        | <i>From 7.17m to 7.26m bgl: Subvertical (75 degrees) planar smooth fracture.</i>                                                                                                                                                                                                                                                                               | 7 |
|                                                                                    |               |             | 19        |        |     |     |           |           |        | Medium strong reddish brown coarse grained SANDSTONE, with occasional subrounded gravel inclusions of quartzite, sandstone and mudstone. Fractures are horizontal to subhorizontal (0-10 degrees) planar rough, very closely to closely spaced (Fracture Set 2).<br><i>From 7.66m to 7.95m bgl: Subvertical (80 degrees) planar smooth fracture.</i>           |   |
|                                                                                    |               |             | NR        |        |     |     |           |           |        | <i>From 8.00m to 8.05m bgl: No recovery.</i>                                                                                                                                                                                                                                                                                                                   | 8 |
|                                                                                    |               |             | 36        |        |     |     |           |           |        | <i>From 8.16m to 8.24m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.</i>                                                                                                                                                                                                                                                           |   |
|                                                                                    |               |             | NI        |        |     |     |           |           |        |                                                                                                                                                                                                                                                                                                                                                                |   |
|                                                                                    |               |             | 41        |        |     |     |           |           |        |                                                                                                                                                                                                                                                                                                                                                                |   |
|                                                                                    |               | 8.00 - 9.50 |           | 97     | 88  | 63  | 8.41      | 29.69     |        | Strong reddish brown medium grained SANDSTONE with a low gravel content of subrounded quartzite, sandstone and mudstone. Fractures are horizontal to subhorizontal (0-15 degrees) planar smooth, very closely to widely spaced with sand on fracture surfaces (Fracture Set 3).<br><i>From 8.51m to 8.56m bgl: Angled (50 degrees) planar smooth fracture.</i> | 9 |
|                                                                                    |               |             |           |        |     |     |           |           |        | <i>From 9.36m to 9.38m bgl: Subvertical (85 degrees) planar smooth fracture.</i>                                                                                                                                                                                                                                                                               |   |

Continued on next sheet

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Scale  
1:25

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Logged By  
JP

| Well | Water Strikes | Depth (m)     | Type / FI | Coring |     |     | Depth (m) | Level (m) | Legend | Stratum Description |       |                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                          |    |                                                                    |
|------|---------------|---------------|-----------|--------|-----|-----|-----------|-----------|--------|---------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------|
|      |               |               |           | TCR    | SCR | RQD |           |           |        |                     |       |                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                          |    |                                                                    |
|      |               | 9.50 - 11.00  | 6         | 100    | 100 | 83  | 12.30     | 25.80     |        |                     | 11    |                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                          |    |                                                                    |
|      |               | 11.00 - 12.50 |           | 100    | 94  | 81  |           |           |        |                     |       |                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                          |    |                                                                    |
|      |               |               | 8         |        |     |     |           |           |        |                     | 12    |                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                          |    |                                                                    |
|      |               |               | 44<br>NI  |        |     |     |           |           |        |                     |       |                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                          |    |                                                                    |
|      |               | 12.50 - 14.00 | 22        | 100    | 88  | 58  |           |           |        | 13.25               | 24.85 |                                                                                                                                          | Medium strong reddish brown coarse grained SANDSTONE, with occasional subrounded gravel inclusions of quartzite, sandstone and mudstone. Fracture Set 2.<br><i>From 12.39m to 12.44m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.</i><br><i>From 12.71m to 12.75m bgl: Vertical planar smooth fracture.</i> | 13 |                                                                    |
|      |               |               |           |        |     |     |           |           |        |                     |       |                                                                                                                                          | 1                                                                                                                                                                                                                                                                                                                                        |    | <i>From 13.17m to 13.21m bgl: Vertical planar smooth fracture.</i> |
|      |               |               |           |        |     |     |           |           |        |                     |       | Strong reddish brown medium grained SANDSTONE with a low gravel content of subrounded quartzite, sandstone and mudstone. Fracture Set 3. | 14                                                                                                                                                                                                                                                                                                                                       |    |                                                                    |
|      |               |               |           |        |     |     |           |           |        |                     |       | End of borehole at 14.00 m                                                                                                               |                                                                                                                                                                                                                                                                                                                                          |    |                                                                    |
|      |               |               |           |        |     |     |           |           |        |                     |       |                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                          |    | 15                                                                 |

## Remarks

Dynamic Sample Borehole to 3.4m bgl, with follow-on rotary core drilling to 14.0m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. Water strikes were encountered during the dynamic sample drilling, strikes were unable to be recorded due to the use of water flush drilling.

Project Name: LFC Academy

Project No.  
088269

Co-ords: 342446.29 - 398587.90

Hole Type  
RC

Location: Liverpool FC Academy, Liverpool, L33 7ED

Level: 38.82

Scale  
1:25

Client: Liverpool FC

Dates: 11/11/2025 - 13/11/2025

Logged By  
JP

| Well | Water Strikes | Depth (m)                                                     | Type / FI | Coring |     |     | Depth (m)                                                         | Level (m) | Legend                                                                              | Stratum Description                                                                                                                                                                                                      |   |
|------|---------------|---------------------------------------------------------------|-----------|--------|-----|-----|-------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|      |               |                                                               |           | TCR    | SCR | RQD |                                                                   |           |                                                                                     |                                                                                                                                                                                                                          |   |
| 1    |               | 0.60 - 0.70                                                   | ES        |        |     |     | 0.20                                                              | 38.62     |    | MADE GROUND: Grass cover over brown slightly clayey fine to medium sand with rootlets.                                                                                                                                   |   |
|      |               |                                                               |           |        |     |     | 0.80                                                              | 38.02     |    | MADE GROUND: Dark brown slightly gravelly slightly clayey fine to coarse sand. Gravel is fine to coarse, angular to subangular of brick.                                                                                 |   |
|      |               | 1.20 - 1.50                                                   | B         |        |     |     | 1.80                                                              | 37.02     |    | Dark reddish brown fine to medium SAND.                                                                                                                                                                                  | 1 |
|      |               |                                                               |           |        |     |     | <div>SPT: N=23 (1,3/4,6,6,7)</div>                                |           |                                                                                     |                                                                                                                                                                                                                          |   |
|      |               | 2.00 - 2.10                                                   | D         |        |     |     | 2.28                                                              | 36.54     |  | Grey slightly gravelly fine to coarse SAND. Gravel is fine to coarse, subangular to subrounded of sandstone, mudstone and quartzite.                                                                                     | 2 |
|      |               |                                                               |           |        |     |     | <div>Soft grey sandy silty CLAY.<br/>SPT: N=5 (1,1/1,1,1,2)</div> |           |                                                                                     |                                                                                                                                                                                                                          |   |
|      |               | 3.00 - 3.10                                                   | D         |        |     |     | 3.46                                                              | 35.36     |  | Soft very sandy slightly silty CLAY.                                                                                                                                                                                     | 3 |
|      |               |                                                               |           |        |     |     | 3.75                                                              | 35.07     |  | Reddish brown slightly clayey fine to coarse SAND.<br>SPT: N=50 (6,9/9, 37,4 for 155mm)                                                                                                                                  |   |
|      |               | 4.20 - 4.30                                                   | NR<br>D   |        |     |     | 4.34                                                              | 34.48     |  | Strong reddish brown medium grained SANDSTONE, with no discernible bedding. Fractures are subhorizontal (15 degrees) planar smooth, very closely to closely spaced, with sand on the fracture surfaces (Fracture Set 1). | 4 |
|      |               |                                                               |           |        |     |     |                                                                   |           |                                                                                     |                                                                                                                                                                                                                          |   |
|      |               | From 4.87m to 5.03m bgl: Vertical undulating smooth fracture. |           |        |     |     |                                                                   |           |                                                                                     |                                                                                                                                                                                                                          |   |
|      |               | Continued on next sheet                                       |           |        |     |     |                                                                   |           |                                                                                     |                                                                                                                                                                                                                          |   |

Continued on next sheet

### Remarks

Dynamic Sample Borehole to 3.80m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. No water strikes were encountered during excavation.

Project Name: LFC Academy

Project No.  
088269

Co-ords: 342446.29 - 398587.90

Hole Type  
RC

Location: Liverpool FC Academy, Liverpool, L33 7ED

Level: 38.82

Scale  
1:25

Client: Liverpool FC

Dates: 11/11/2025 - 13/11/2025

Logged By  
JP

| Well | Water Strikes | Depth (m)   | Type / FI                                                                       | Coring |     |     | Depth (m) | Level (m) | Legend                                                                                               | Stratum Description                                                                                                                                                                                                                 |      |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|------|---------------|-------------|---------------------------------------------------------------------------------|--------|-----|-----|-----------|-----------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
|      |               |             |                                                                                 | TCR    | SCR | RQD |           |           |                                                                                                      |                                                                                                                                                                                                                                     |      |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               | 5.00 - 6.50 |                                                                                 | 100    | 97  | 8   | 5.34      | 33.48     |                                                                                                      | <u>From 5.09m to 5.34m bgl: Sandstone is light grey with yellow staining on bedding planes with thin laminations.</u>                                                                                                               | 6    |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               |             | 25                                                                              |        |     |     |           |           |                                                                                                      | Weak reddish brown medium grained poorly cemented SANDSTONE. Fractures are horizontal to subhorizontal (0-15 degrees) planar and undulating rough, very closely to closely spaced, with sand on fracture surfaces (Fracture Set 2). |      |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               |             | NI                                                                              |        |     |     |           |           | <u>From 5.89m to 5.92m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.</u> |                                                                                                                                                                                                                                     |      |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               |             | 25                                                                              |        |     |     |           |           | 6.12                                                                                                 | 32.70                                                                                                                                                                                                                               |      | Strong light grey mottled yellow medium grained SANDSTONE.                                                      |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               |             |                                                                                 |        |     |     |           |           |                                                                                                      |                                                                                                                                                                                                                                     |      | <u>From 6.30m to 6.98m bgl: Subvertical fracture (80 degrees) planar rough with non intact gravel surround.</u> |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               |             |                                                                                 |        |     |     |           |           |                                                                                                      |                                                                                                                                                                                                                                     | 6.40 | 32.42                                                                                                           |    | Weak reddish brown medium grained poorly cemented SANDSTONE. Fracture Set 2. |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               | 6.50 - 8.00 |                                                                                 | 6      | 100 | 98  | 47        | 6.93      |                                                                                                      |                                                                                                                                                                                                                                     |      |                                                                                                                 |    | 31.89                                                                        |   | Medium strong reddish brown and light grey, mottled yellow, medium grained SANDSTONE with occasional subrounded gravels of quartzite. Fracture Set 1. |  |  |  |  |  |  |  |
|      |               |             | <u>From 7.22m to 7.28m bgl: Angled (45 degrees) undulating smooth fracture.</u> |        |     |     |           |           |                                                                                                      |                                                                                                                                                                                                                                     |      |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               |             | 19                                                                              |        |     |     |           |           | 8                                                                                                    | 9                                                                                                                                                                                                                                   | 100  | 100                                                                                                             | 82 |                                                                              | 9 | 10                                                                                                                                                    |  |  |  |  |  |  |  |
|      |               |             |                                                                                 |        |     |     |           |           |                                                                                                      |                                                                                                                                                                                                                                     |      |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               |             |                                                                                 |        |     |     |           |           |                                                                                                      |                                                                                                                                                                                                                                     |      |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               |             |                                                                                 |        |     |     |           |           |                                                                                                      |                                                                                                                                                                                                                                     |      |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               |             |                                                                                 |        |     |     |           |           |                                                                                                      |                                                                                                                                                                                                                                     |      |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |
|      |               |             |                                                                                 |        |     |     |           |           |                                                                                                      |                                                                                                                                                                                                                                     |      |                                                                                                                 |    |                                                                              |   |                                                                                                                                                       |  |  |  |  |  |  |  |

Continued on next sheet

## Remarks

Dynamic Sample Borehole to 3.80m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. No water strikes were encountered during excavation.



Project Name: LFC Academy

Project No.  
088269

Co-ords: 342446.29 - 398587.90

Hole Type  
RC

Location: Liverpool FC Academy, Liverpool, L33 7ED

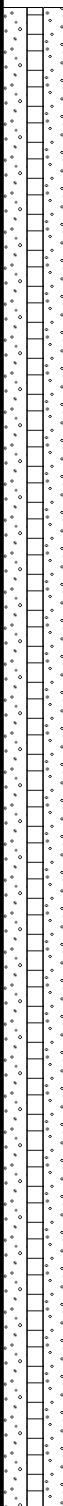
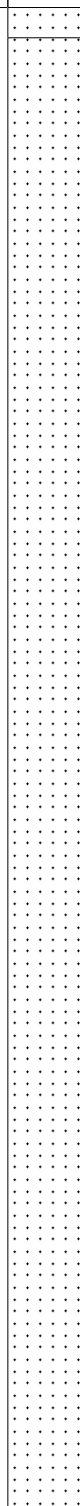
Level: 38.82

Scale  
1:25

Client: Liverpool FC

Dates: 11/11/2025 - 13/11/2025

Logged By  
JP

| Well                                                                               | Water Strikes | Depth (m)     | Type / FI | Coring |     |     | Depth (m) | Level (m) | Legend                                                                             | Stratum Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    |    |
|------------------------------------------------------------------------------------|---------------|---------------|-----------|--------|-----|-----|-----------|-----------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|
|                                                                                    |               |               |           | TCR    | SCR | RQD |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|  |               | 9.50 - 11.00  |           | 100    | 95  | 79  | 10.10     | 28.72     |  | <p>Strong reddish brown medium grained SANDSTONE, with occasional subrounded quartzite inclusions with bands of light grey and yellow sandstone. Fractures are subhorizontal (15 degrees) planar smooth, closely to widely spaced.</p> <p><u>From 11.06m to 11.08m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.</u></p> <p><u>From 11.41m to 11.43m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.</u></p> <p><u>From 11.49m to 11.55m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.</u></p> <p><u>From 13.76m to 13.81m bgl: Vertical planar smooth fracture.</u></p> <p><u>From 14.46m to 14.5m bgl: Subvertical (45 degrees) planar smooth fracture.</u></p> | 11 |    |    |
|                                                                                    |               |               | 3         |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               | 11.00 - 12.50 | 50        | 100    | 94  | 85  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | 12 |    |
|                                                                                    |               |               | 3         |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               | 17        |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               | NI        |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               | 20        |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               | 4         |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               | 12.50 - 14.00 | 4         | 100    | 100 | 87  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    | 13 |
|                                                                                    |               | 14.00 - 15.50 |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               | 14.00 - 15.50 | 4         | 100    | 100 | 91  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     | 15  |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     | 15  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     | 15        |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           | 15        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           | 15                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           |                                                                                    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     | 15  |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     | 15  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     | 15        |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           | 15        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           | 15                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           |                                                                                    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     | 15  |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     | 15  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     | 15        |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           | 15        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           | 15                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           |                                                                                    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     | 15  |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     | 15  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     | 15        |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           | 15        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           | 15                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           |                                                                                    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     | 15  |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     | 15  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     | 15        |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           | 15        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           | 15                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           |                                                                                    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     | 15  |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     | 15  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     | 15        |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           | 15        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           | 15                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           |                                                                                    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     | 15  |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     | 15  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     | 15        |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           | 15        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           | 15                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           |                                                                                    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     | 15  |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     | 15  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     | 15        |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           | 15        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           | 15                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           |                                                                                    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     | 15  |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     | 15  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     | 15        |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           | 15        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           | 15                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     |           |           |                                                                                    | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     | 15  |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     | 15  |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
| 14.00 - 15.50                                                                      | 4             | 100           | 100       | 91     |     |     | 15        |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |
|                                                                                    |               |               |           |        |     |     |           |           |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |    |    |

Continued on next sheet

### Remarks

Dynamic Sample Borehole to 3.80m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. No water strikes were encountered during excavation.





Project Name: LFC Academy

Project No.  
088269

Co-ords: 342444.11 - 398612.80

Hole Type  
BH

Location: Liverpool FC Academy, Liverpool, L33 7ED

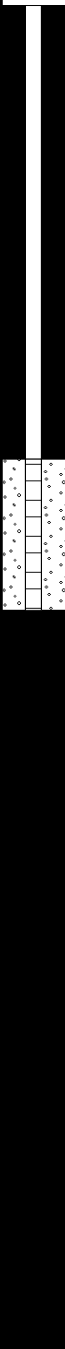
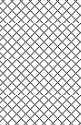
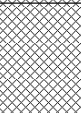
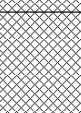
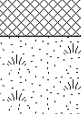
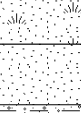
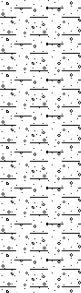
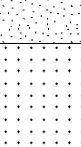
Level: 39.45

Scale  
1:25

Client: Liverpool FC

Dates: 14/11/2025 - 14/11/2025

Logged By  
JP

| Well                                                                               | Water Strikes                                                                       | Samples and In Situ Testing |      |                               | Depth (m) | Level (m) | Legend                                                                              | Stratum Description                                                                                                                                                                                                                |   |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------|------|-------------------------------|-----------|-----------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                                    |                                                                                     | Depth (m)                   | Type | Results                       |           |           |                                                                                     |                                                                                                                                                                                                                                    |   |
|  |  | 0.12                        |      |                               | 0.12      | 39.33     |    | Grass over TOPSOIL: Light brown slightly clayey slightly gravelly sand with frequent rootlets. Sand is fine to medium. Gravel is fine to coarse, subrounded of sandstone.                                                          | 1 |
|                                                                                    |                                                                                     |                             |      |                               | 0.70      | 38.75     |    | MADE GROUND: Brown clayey gravelly sand with low cobble content. Sand is fine to coarse. Gravel is fine to coarse, subangular to angular of brick, charcoal, wood and limestone. Cobbles of brick.                                 |   |
|                                                                                    |                                                                                     | 1.00                        | ES   |                               | 1.10      | 38.35     |    | MADE GROUND: Black sandy slightly gravelly clay. Sand is fine to coarse. Gravel is fine to coarse, subangular of charcoal and brick.<br><i>From 0.70m to 1.10m bgl: Material has a slight hydrocarbon odour and a burnt odour.</i> |   |
|                                                                                    |                                                                                     | 1.20                        |      | N=16 (3,4/4,4,4,4)            | 1.55      | 37.90     |    | MADE GROUND: Black clayey slightly gravelly sand. Sand is fine to coarse. Gravel is fine to coarse, subangular of charcoal, wood and brick.                                                                                        |   |
|                                                                                    |                                                                                     | 1.70                        | D    |                               | 1.95      | 37.50     |   | Brown and black clayey slightly organic SAND. Sand is fine to coarse.                                                                                                                                                              | 2 |
|                                                                                    |                                                                                     | 2.00                        |      | N=7 (2,1/2,2,1,2)             | 2.15      | 37.30     |  | Light brown SAND. Sand is fine to coarse.                                                                                                                                                                                          |   |
|                                                                                    |                                                                                     | 2.15                        | D    |                               | 3.00      |           |  | Firm brown sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse, subrounded of sandstone and mudstone.                                                                                                   | 3 |
|                                                                                    |                                                                                     |                             |      | N=26 (5,5/6,7,7,6)            | 3.20      | 36.25     |  | Reddish brown and greyish brown SAND. Sand is fine to medium.                                                                                                                                                                      |   |
|                                                                                    |                                                                                     | 4.00                        |      | 50 (25 for 110mm/50 for 90mm) | 4.10      | 35.35     |  | Cream SANDSTONE.                                                                                                                                                                                                                   | 4 |
|                                                                                    |                                                                                     | 4.10                        | D    |                               | 4.45      | 35.00     |                                                                                     | End of borehole at 4.45 m                                                                                                                                                                                                          |   |
|                                                                                    |                                                                                     |                             |      |                               |           |           |                                                                                     |                                                                                                                                                                                                                                    | 5 |

## Remarks

Window Sample Borehole to 4.45m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. Groundwater strike encountered at 3.20m bgl, described as a slow seepage.

Project Name: LFC Academy

Project No.  
088269

Co-ords: 342464.68 - 398564.84

Hole Type  
BH

Location: Liverpool FC Academy, Liverpool, L33 7ED

Level: 38.62

Scale  
1:25

Client: Liverpool FC

Dates: 10/11/2025 - 11/11/2025

Logged By  
JP

| Well | Water Strikes | Samples and In Situ Testing |      |                             | Depth (m)    | Level (m)      | Legend | Stratum Description                                                                                                                                            |   |
|------|---------------|-----------------------------|------|-----------------------------|--------------|----------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|      |               | Depth (m)                   | Type | Results                     |              |                |        |                                                                                                                                                                |   |
|      |               | 0.10                        |      |                             | 0.10         | 38.52          |        | MADE GROUND - TOPSOIL: Grass cover over dark brown slightly clayey fine to coarse sand with occasional rootlets.                                               |   |
|      |               | 0.40 - 0.50                 | ES   |                             |              | 38.02          |        | MADE GROUND: Dark brown slightly gravelly slightly clayey fine to coarse sand. Gravel is fine to coarse angular to subangular of brick.                        |   |
|      |               |                             |      |                             | 0.60         |                |        | Greyish brown fine to medium SAND.                                                                                                                             |   |
|      |               |                             |      |                             | 0.80         | 37.82          |        | Dense dark reddish brown slightly gravelly fine to coarse SAND. Gravel is fine to coarse, subangular to subrounded of sandstone.                               | 1 |
|      |               | 0.80 - 1.20                 | B    |                             |              |                |        |                                                                                                                                                                |   |
|      |               | 1.20                        |      | N=39<br>(3,6/5,10,11,13)    |              |                |        | At 1.2m bgl: Slight water ingress at the base of hand pit.                                                                                                     |   |
|      |               |                             |      |                             |              |                |        | From 1.55m to 1.80m bgl: Strata becomes very gravelly with cobbles.                                                                                            |   |
|      |               |                             |      |                             | 1.80         | 36.82          |        | Light greyish brown slightly gravelly fine to medium SAND. Gravel is fine to coarse, subangular to subrounded of sandstone.                                    |   |
|      |               | 2.00                        |      | N=20 (4,4/5,5,5,5)          | 2.00         | 36.62          |        | Firm grey very sandy CLAY.                                                                                                                                     | 2 |
|      |               | 2.20 - 2.30                 | D    |                             |              |                |        |                                                                                                                                                                |   |
|      |               |                             |      |                             | 2.55         | 36.07          |        | Grey slightly clayey fine to medium SAND.                                                                                                                      |   |
|      |               | 2.60 - 3.00                 | B    |                             |              |                |        |                                                                                                                                                                |   |
|      |               |                             |      |                             | 3.00         | 35.62          |        | Dense light grey mottled lightly brown slightly clayey slightly gravelly fine to coarse SAND. Gravel is fine to coarse, subangular to subrounded of sandstone. | 3 |
|      |               | 3.50 - 3.90                 | B    |                             |              |                |        |                                                                                                                                                                |   |
|      |               | 3.85                        |      | 50 (25 for 5mm/50 for 15mm) | 3.80<br>3.85 | 34.82<br>34.77 |        | Very dense reddish brown fine to coarse SAND.<br>End of borehole at 3.80 m                                                                                     | 4 |
|      |               |                             |      |                             |              |                |        |                                                                                                                                                                | 5 |

### Remarks

Dynamic Sample Borehole to 3.85m bgl with Rotarty Core follow-on to 15.5m bgl. Position was GPR cleared and CAT scanned by Avoim Maa and a Curtins Engineer. Water strikes were unable to be noted during drilling due to the use of water flush.

Project Name: LFC Academy

Project No.  
088269

Co-ords: 342273.98 - 398389.03

Hole Type  
RC

Location: Liverpool FC Academy, Liverpool, L33 7ED

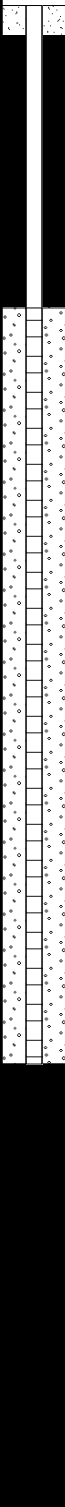
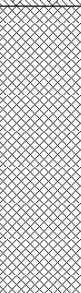
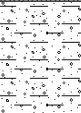
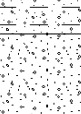
Level: 38.19

Scale  
1:25

Client: Liverpool FC

Dates: 19/11/2025 - 20/11/2025

Logged By  
JP

| Well                                                                               | Water Strikes | Depth (m)   | Type / Fl | Coring |     |     | Depth (m) | Level (m) | Legend                                                                              | Stratum Description                                                                                                                                                                                              |   |
|------------------------------------------------------------------------------------|---------------|-------------|-----------|--------|-----|-----|-----------|-----------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                                    |               |             |           | TCR    | SCR | RQD |           |           |                                                                                     |                                                                                                                                                                                                                  |   |
|  |               | 0.50 - 0.60 | ES        |        |     |     | 0.30      | 37.89     |    | MADE GROUND - TOPSOIL: Grass cover over dark brown slightly clayey fine to coarse sand with occasional rootlets.                                                                                                 |   |
|                                                                                    |               |             |           |        |     |     |           |           |    | MADE GROUND: Dark brown clayey gravelly fine to coarse sand with cobbles. Gravel is fine to coarse angular to subangular of brick, concrete, sandstone and coal. Cobbles are subangular of brick and concrete.   | 1 |
|                                                                                    |               |             |           |        |     |     |           |           |                                                                                     | SPT: N=10 (1,1/1,3,3,3)                                                                                                                                                                                          | 2 |
|                                                                                    |               |             |           |        |     |     |           |           |                                                                                     | SPT: N=25 (2,3/3,6,8,8)                                                                                                                                                                                          | 3 |
|                                                                                    |               | 3.50 - 3.60 | ES        |        |     |     | 4.00      | 34.19     |  | Stiff light brown and light grey sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is fine to coarse, subangular to subrounded of mudstone and sandstone.                                             | 4 |
|                                                                                    |               | 4.00 - 4.70 | B         |        |     |     | 4.70      | 33.49     |  | Light brown mottled light grey slightly gravelly fine to coarse SAND with a low cobble content. Gravel is fine to coarse subangular of sandstone and mudstone. Cobbles are subangular of sandstone and mudstone. | 5 |
|                                                                                    |               | 4.80 - 4.90 | D         |        |     |     |           |           |                                                                                     |                                                                                                                                                                                                                  |   |
| Continued on next sheet                                                            |               |             |           |        |     |     |           |           |                                                                                     |                                                                                                                                                                                                                  |   |

## Remarks

Dynamic Sample Borehole to 5.4m bgl, with follow-on rotary core drilling to 14.0m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. Water strikes were encountered during the dynamic sample drilling, strikes were unable to be recorded due to the use of water flush drilling. Ground level estimated from topographic survey. Co-ordinates estimated from GIS mapping tool.

Project Name: LFC Academy

Project No.  
088269

Co-ords: 342273.98 - 398389.03

Hole Type  
RC

Location: Liverpool FC Academy, Liverpool, L33 7ED

Level: 38.19

Scale  
1:25

Client: Liverpool FC

Dates: 19/11/2025 - 20/11/2025

Logged By  
JP

| Well | Water Strikes | Depth (m)   | Type / FI | Coring |     |     | Depth (m) | Level (m) | Legend | Stratum Description                                                                                                                                                                                                                 |   |
|------|---------------|-------------|-----------|--------|-----|-----|-----------|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|      |               |             |           | TCR    | SCR | RQD |           |           |        |                                                                                                                                                                                                                                     |   |
|      |               | 5.10 - 5.20 | D         |        |     |     | 5.05      | 33.14     |        | Very dense reddish brown gravelly coarse SAND with bands of light grey medium sand. Gravel is fine to coarse, subangular of sandstone.                                                                                              | 6 |
|      |               | 5.40 - 6.50 | NI        | 73     | 63  | 17  | 5.53      | 32.66     |        | SPT: N=50 (11, 14/50 for 80mm)<br>From 5.40m to 5.53m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                                                                                     |   |
|      |               |             | 33        |        |     |     | 5.86      | 32.33     |        | Weak reddish brown medium SANDSTONE. Fractures are horizontal to subhorizontal (0-5 degrees) planar smooth with very close spacing and reddish brown sand on fracture surfaces (Fracture Set 1).                                    |   |
|      |               |             | 14        |        |     |     |           |           |        | Weak reddish brown poorly cemented coarse SANDSTONE with a high gravel content of subrounded sandstone and mudstone. Fractures are subhorizontal (5-20 degrees) undulating rough, very closely to closely spaced (Fracture Set 2).  |   |
|      |               | 6.50 - 8.00 | NR        | 69     | 51  | 17  | 6.96      | 31.23     |        | From 6.50m to 6.96m bgl: No recovery.                                                                                                                                                                                               |   |
|      |               |             | 15        |        |     |     |           |           |        | Weak reddish brown medium SANDSTONE. Fracture Set 1.                                                                                                                                                                                |   |
|      |               |             | NI        |        |     |     | 7.92      | 30.27     |        | From 7.85m to 7.92m bgl: Not intact recovered as a slightly clayey sandy gravel of sandstone.                                                                                                                                       |   |
|      |               | 8.00 - 9.50 | NR        | 89     | 89  | 89  |           |           |        | Medium strong reddish brown SANDSTONE with a low gravel content of subrounded mudstone, sandstone and quartzite. Fractures are subhorizontal (5-15 degrees) planar and undulating smooth closely to widely spaced (Fracture Set 3). |   |
|      |               |             | 4         |        |     |     |           |           |        | From 8.00m to 8.17m bgl: No recovery.                                                                                                                                                                                               |   |
|      |               |             | NR        |        |     |     |           |           |        | From 9.50m to 9.64m bgl: No recovery.                                                                                                                                                                                               |   |
|      |               |             | 9         |        |     |     |           |           |        |                                                                                                                                                                                                                                     |   |

Continued on next sheet

### Remarks

Dynamic Sample Borehole to 5.4m bgl, with follow-on rotary core drilling to 14.0m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. Water strikes were encountered during the dynamic sample drilling, strikes were unable to be recorded due to the use of water flush drilling. Ground level estimated from topographic survey. Co-ordinates estimated from GIS mapping tool.



**RBH06**

Logged By  
JP

|                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks                                                                                                                                                                                                                                                                                                                                                                                                          |
| Dynamic Sample Borehole to 5.4m bgl, with follow-on rotary core drilling to 14.0m bgl. Position was GPR cleared and CAT scanned by Avoin Maa and a Curtins Engineer. Water strikes were encountered during the dynamic sample drilling, strikes were unable to be recorded due to the use of water flush drilling. Ground level estimated from topographic survey. Co-ordinates estimated from GIS mapping tool. |



## Appendix C – Chemical Laboratory Test Results

## FINAL ANALYTICAL TEST REPORT

**Envirolab Job Number:** 25/13290  
**Issue Number:** 1

**Date:** 02 December, 2025

**Client:** Curtins Consulting (Manchester)  
Merchant Exchange  
17-19 Whitworth Street  
Manchester  
UK  
M1 5WG

**Project Manager:** Jonathan Provis/Lucy Woods/Niall Farnworth  
**Project Name:** LFC Academy  
**Project Ref:** 88269  
**Order No:** 28123  
**Date Samples Received:** 18/11/25  
**Date Instructions Received:** 19/11/25  
**Date Analysis Completed:** 02/12/25

**Approved by:**



Richard Wong  
Client Manager

Envirolab Job Number: 25/13290

Client Project Name: LFC Academy

Client Project Ref: 88269

| Lab Sample ID                                       | 25/13290/1 | 25/13290/4 |  |  |  |  |  | Units | Limit of Detection | Method ref  |
|-----------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|-------------|
| Client Sample No                                    |            |            |  |  |  |  |  |       |                    |             |
| Client Sample ID                                    | WS02       | RBH01      |  |  |  |  |  |       |                    |             |
| Depth to Top                                        | 2.90       | 0.90       |  |  |  |  |  |       |                    |             |
| Depth To Bottom                                     | 3.00       | 1.00       |  |  |  |  |  |       |                    |             |
| Date Sampled                                        | 13-Nov-25  | 13-Nov-25  |  |  |  |  |  |       |                    |             |
| Sample Type                                         | SOIL - ES  | SOIL - ES  |  |  |  |  |  |       |                    |             |
| Sample Matrix Code                                  | 4A         | 4A         |  |  |  |  |  |       |                    |             |
| % Moisture at <40C <sub>A</sub>                     | 11.8       | 18.8       |  |  |  |  |  | % w/w | 0.1                | A-T-044     |
| % Stones >10mm <sub>A</sub>                         | <0.1       | 2.4        |  |  |  |  |  | % w/w | 0.1                | A-T-044     |
| pH <sub>D</sub> <sup>M#</sup>                       | 7.01       | 7.10       |  |  |  |  |  | pH    | 0.01               | A-T-031s    |
| Sulphate (water sol 2:1) <sub>D</sub> <sup>M#</sup> | <0.01      | <0.01      |  |  |  |  |  | g/l   | 0.01               | 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    |
| Organic Matter <sub>D</sub> <sup>M#</sup>           | 0.97       | 8.46       |  |  |  |  |  | % w/w | 0.14               | A-T-032s    |
| Arsenic <sub>D</sub> <sup>M#</sup>                  | <1         | 3          |  |  |  |  |  | mg/kg | 1                  | 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>                                | <1.0       | <1.0       |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Copper <sub>D</sub> <sup>M#</sup>                   | 5          | 13         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium <sub>D</sub> <sup>M#</sup>                 | 7          | 7          |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium (hexavalent) <sub>D</sub>                  | <1         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-040s    |
| Lead <sub>D</sub> <sup>M#</sup>                     | 4          | 26         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Mercury <sub>D</sub>                                | <0.17      | <0.17      |  |  |  |  |  | mg/kg | 0.17               | A-T-024s    |
| Nickel <sub>D</sub> <sup>M#</sup>                   | 2          | 9          |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Selenium <sub>D</sub> <sup>M#</sup>                 | <1         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Zinc <sub>D</sub> <sup>M#</sup>                     | 9          | 57         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |

Envirolab Job Number: 25/13290

Client Project Name: LFC Academy

Client Project Ref: 88269

|                                                                 |            |            |  |  |  |  |  |       |                    |            |
|-----------------------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|------------|
| Lab Sample ID                                                   | 25/13290/1 | 25/13290/4 |  |  |  |  |  | Units | Limit of Detection | Method ref |
| Client Sample No                                                |            |            |  |  |  |  |  |       |                    |            |
| Client Sample ID                                                | WS02       | RBH01      |  |  |  |  |  |       |                    |            |
| Depth to Top                                                    | 2.90       | 0.90       |  |  |  |  |  |       |                    |            |
| Depth To Bottom                                                 | 3.00       | 1.00       |  |  |  |  |  |       |                    |            |
| Date Sampled                                                    | 13-Nov-25  | 13-Nov-25  |  |  |  |  |  |       |                    |            |
| Sample Type                                                     | SOIL - ES  | SOIL - ES  |  |  |  |  |  |       |                    |            |
| Sample Matrix Code                                              | 4A         | 4A         |  |  |  |  |  |       |                    |            |
| Asbestos in Soil (inc. matrix)                                  |            |            |  |  |  |  |  |       |                    |            |
| Asbestos in soil <sup>#</sup>                                   | NAD        | 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        | N/A        |  |  |  |  |  |       |                    | A-T-045    |

Envirolab Job Number: 25/13290

Client Project Name: LFC Academy

Client Project Ref: 88269

|                                                  |            |            |  |  |  |  |  |       |                    |            |
|--------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|------------|
| Lab Sample ID                                    | 25/13290/1 | 25/13290/4 |  |  |  |  |  | Units | Limit of Detection | Method ref |
| Client Sample No                                 |            |            |  |  |  |  |  |       |                    |            |
| Client Sample ID                                 | WS02       | RBH01      |  |  |  |  |  |       |                    |            |
| Depth to Top                                     | 2.90       | 0.90       |  |  |  |  |  |       |                    |            |
| Depth To Bottom                                  | 3.00       | 1.00       |  |  |  |  |  |       |                    |            |
| Date Sampled                                     | 13-Nov-25  | 13-Nov-25  |  |  |  |  |  |       |                    |            |
| Sample Type                                      | SOIL - ES  | SOIL - ES  |  |  |  |  |  |       |                    |            |
| Sample Matrix Code                               | 4A         | 4A         |  |  |  |  |  |       |                    |            |
| PAH-16MS                                         |            |            |  |  |  |  |  |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>M#</sup>          | 0.15       | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Acenaphthylene <sub>A</sub> <sup>M#</sup>        | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Anthracene <sub>A</sub> <sup>M#</sup>            | 0.15       | <0.02      |  |  |  |  |  | mg/kg | 0.02               | A-T-019s   |
| Benzo(a)anthracene <sub>A</sub> <sup>M#</sup>    | 0.48       | <0.04      |  |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(a)pyrene <sub>A</sub> <sup>M#</sup>        | 0.49       | <0.04      |  |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>M#</sup>  | 0.60       | 0.06       |  |  |  |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(ghi)perylene <sub>A</sub> <sup>M#</sup>    | 0.31       | <0.05      |  |  |  |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>M#</sup>  | 0.23       | <0.07      |  |  |  |  |  | mg/kg | 0.07               | A-T-019s   |
| Chrysene <sub>A</sub> <sup>M#</sup>              | 0.58       | <0.06      |  |  |  |  |  | mg/kg | 0.06               | A-T-019s   |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>M#</sup> | 0.06       | <0.04      |  |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Fluoranthene <sub>A</sub> <sup>M#</sup>          | 1.18       | <0.08      |  |  |  |  |  | mg/kg | 0.08               | A-T-019s   |
| Fluorene <sub>A</sub> <sup>M#</sup>              | 0.10       | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>M#</sup>  | 0.29       | <0.03      |  |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Naphthalene <sub>A</sub> <sup>M#</sup>           | <0.03      | <0.03      |  |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Phenanthrene <sub>A</sub> <sup>M#</sup>          | 0.70       | <0.03      |  |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Pyrene <sub>A</sub> <sup>M#</sup>                | 1.09       | <0.07      |  |  |  |  |  | mg/kg | 0.07               | A-T-019s   |
| Total PAH-16MS <sub>A</sub> <sup>M#</sup>        | 6.41       | <0.08      |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |

Envirolab Job Number: 25/13290

Client Project Name: LFC Academy

Client Project Ref: 88269

| Lab Sample ID                                  | 25/13290/1 | 25/13290/4 |  |  |  |  |  | Units | Limit of Detection | Method ref   |
|------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|--------------|
| Client Sample No                               |            |            |  |  |  |  |  |       |                    |              |
| Client Sample ID                               | WS02       | RBH01      |  |  |  |  |  |       |                    |              |
| Depth to Top                                   | 2.90       | 0.90       |  |  |  |  |  |       |                    |              |
| Depth To Bottom                                | 3.00       | 1.00       |  |  |  |  |  |       |                    |              |
| Date Sampled                                   | 13-Nov-25  | 13-Nov-25  |  |  |  |  |  |       |                    |              |
| Sample Type                                    | SOIL - ES  | SOIL - ES  |  |  |  |  |  |       |                    |              |
| Sample Matrix Code                             | 4A         | 4A         |  |  |  |  |  |       |                    |              |
| TPH CWG 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>                        | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| Ali >C8-C10 <sub>A</sub>                       | <1         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C10-C12 <sub>A</sub> <sup>M#</sup>        | <1         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C12-C16 <sub>A</sub> <sup>M#</sup>        | <1         | 2          |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C16-C21 <sub>A</sub> <sup>M#</sup>        | <1         | 2          |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C21-C35 <sub>A</sub> <sup>M#</sup>        | 18         | 59         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Total Aliphatics <sub>A</sub>                  | 18         | 64         |  |  |  |  |  | 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>                       | 1          | 2          |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C10-C12 <sub>A</sub>                      | 1          | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C12-C16 <sub>A</sub>                      | 5          | 6          |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C16-C21 <sub>A</sub> <sup>M#</sup>        | 7          | 2          |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C21-C35 <sub>A</sub> <sup>M#</sup>        | 18         | 12         |  |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Total Aromatics <sub>A</sub>                   | 32         | 23         |  |  |  |  |  | mg/kg | 1                  | Calc-As Recd |
| TPH (Ali & Aro >C5-C35) <sub>A</sub>           | 50         | 87         |  |  |  |  |  | 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 client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
- 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 **four 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.
- 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.
- If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
- Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

### 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 “D” on Asbestos | Analysis performed on a dried aliquot of sample provided.                                             |
| 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                                                                                  |
| Trace                     | Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.          |
| N/A                       | Not applicable                                                                                        |

### Asbestos

**Identification:** 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

“Trace Asbestos Identified” will be reported if there is not enough present to verify the type.

### 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 calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

## Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU  
Tel. 0161 368 4921 email. ask@envlab.co.uk

|                            |                                                                                                        |                                    |                 |
|----------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------|-----------------|
| <b>Client:</b>             | Curtins Consulting (Manchester), Merchant Exchange, 17-19 Whitworth Street ,<br>Manchester, UK, M1 5WG | <b>Project No:</b>                 | 25/13290        |
| <b>Project:</b>            | LFC Academy                                                                                            | <b>Date Received:</b>              | 19/11/2025 (am) |
| <b>Clients Project No:</b> | 88269                                                                                                  | <b>Cool Box Temperatures (°C):</b> | 1.5             |

### NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

## Envirolab Analysis Dates

| Lab Sample ID          | 25/13290/1         | 25/13290/4          |
|------------------------|--------------------|---------------------|
| Client Sample No       |                    |                     |
| Client Sample ID/Depth | WS02<br>2.90-3.00m | RBH01<br>0.90-1.00m |
| Date Sampled           | 13/11/25           | 13/11/25            |
| A-T-019s               | 25/11/2025         | 26/11/2025          |
| A-T-022s               | 24/11/2025         | 25/11/2025          |
| A-T-024s               | 28/11/2025         | 29/11/2025          |
| A-T-026s               | 26/11/2025         | 26/11/2025          |
| A-T-027s               | 27/11/2025         | 01/12/2025          |
| A-T-031s               | 26/11/2025         | 02/12/2025          |
| A-T-032s               | 26/11/2025         | 26/11/2025          |
| A-T-040s               | 26/11/2025         | 26/11/2025          |
| A-T-042sTCN            | 24/11/2025         | 26/11/2025          |
| A-T-044                | 21/11/2025         | 24/11/2025          |
| A-T-045                | 20/11/2025         | 24/11/2025          |
| A-T-050s               | 27/11/2025         | 27/11/2025          |
| A-T-055s               | 25/11/2025         | 26/11/2025          |
| Calc-As Recd           | 25/11/2025         | 26/11/2025          |

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:** 25/13360  
**Issue Number:** 1

**Date:** 03 December, 2025

**Client:** Curtins Consulting (Manchester)  
Merchant Exchange  
17-19 Whitworth Street  
Manchester  
UK  
M1 5WG

**Project Manager:** Jonathan Provis/Lucy Woods/Niall Farnworth  
**Project Name:** LFC Academy  
**Project Ref:** B088269  
**Order No:** 28224  
**Date Samples Received:** 19/11/25  
**Date Instructions Received:** 20/11/25  
**Date Analysis Completed:** 03/12/25

**Approved by:**



Amy Riding  
Client Manager

Envirolab Job Number: 25/13360

Client Project Name: LFC Academy

Client Project Ref: B088269

| Lab Sample ID                                       | 25/13360/1 | 25/13360/2 | 25/13360/3 |  |  |  |  | Units | Limit of Detection | Method ref  |
|-----------------------------------------------------|------------|------------|------------|--|--|--|--|-------|--------------------|-------------|
| Client Sample No                                    |            |            |            |  |  |  |  |       |                    |             |
| Client Sample ID                                    | RBH02      | WS01       | WS04       |  |  |  |  |       |                    |             |
| Depth to Top                                        | 0.55       | 0.70       | 1.00       |  |  |  |  |       |                    |             |
| Depth To Bottom                                     |            |            |            |  |  |  |  |       |                    |             |
| Date Sampled                                        | 14-Nov-25  | 14-Nov-25  | 14-Nov-25  |  |  |  |  |       |                    |             |
| Sample Type                                         | SOIL - ES  | SOIL - ES  | SOIL - ES  |  |  |  |  |       |                    |             |
| Sample Matrix Code                                  | 5A         | 4A         | 4A         |  |  |  |  |       |                    |             |
| % Moisture at <40C <sub>A</sub>                     | 11.6       | 13.2       | 13.0       |  |  |  |  | % w/w | 0.1                | A-T-044     |
| % Stones >10mm <sub>A</sub>                         | 2.2        | 9.9        | 10.2       |  |  |  |  | % w/w | 0.1                | A-T-044     |
| pH <sub>D</sub> <sup>M#</sup>                       | 7.79       | 8.25       | 7.89       |  |  |  |  | pH    | 0.01               | A-T-031s    |
| Sulphate (water sol 2:1) <sub>D</sub> <sup>M#</sup> | 0.40       | 0.05       | 0.08       |  |  |  |  | g/l   | 0.01               | A-T-026s    |
| Cyanide (total) <sub>A</sub> <sup>M#</sup>          | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-042sTCN |
| Phenols - Total by HPLC <sub>A</sub>                | <0.2       | <0.2       | <0.2       |  |  |  |  | mg/kg | 0.2                | A-T-050s    |
| Organic Matter <sub>D</sub> <sup>M#</sup>           | 1.11       | 1.08       | 1.77       |  |  |  |  | % w/w | 0.14               | A-T-032s    |
| Arsenic <sub>D</sub> <sup>M#</sup>                  | 6          | 6          | 3          |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Boron (water soluble) <sub>D</sub> <sup>M#</sup>    | <1.0       | <1.0       | <1.0       |  |  |  |  | mg/kg | 1                  | A-T-027s    |
| Cadmium <sub>D</sub>                                | <1.0       | <1.0       | <1.0       |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Copper <sub>D</sub> <sup>M#</sup>                   | 13         | 21         | 17         |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium <sub>D</sub> <sup>M#</sup>                 | 10         | 9          | 7          |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium (hexavalent) <sub>D</sub>                  | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-040s    |
| Lead <sub>D</sub> <sup>M#</sup>                     | 18         | 65         | 23         |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Mercury <sub>D</sub>                                | <0.17      | <0.17      | <0.17      |  |  |  |  | mg/kg | 0.17               | A-T-024s    |
| Nickel <sub>D</sub> <sup>M#</sup>                   | 9          | 10         | 6          |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Selenium <sub>D</sub> <sup>M#</sup>                 | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Zinc <sub>D</sub> <sup>M#</sup>                     | 37         | 48         | 31         |  |  |  |  | mg/kg | 1                  | A-T-024s    |

Envirolab Job Number: 25/13360

Client Project Name: LFC Academy

Client Project Ref: B088269

|                                                                 |            |            |            |  |  |  |  |       |                    |            |
|-----------------------------------------------------------------|------------|------------|------------|--|--|--|--|-------|--------------------|------------|
| Lab Sample ID                                                   | 25/13360/1 | 25/13360/2 | 25/13360/3 |  |  |  |  | Units | Limit of Detection | Method ref |
| Client Sample No                                                |            |            |            |  |  |  |  |       |                    |            |
| Client Sample ID                                                | RBH02      | WS01       | WS04       |  |  |  |  |       |                    |            |
| Depth to Top                                                    | 0.55       | 0.70       | 1.00       |  |  |  |  |       |                    |            |
| Depth To Bottom                                                 |            |            |            |  |  |  |  |       |                    |            |
| Date Sampled                                                    | 14-Nov-25  | 14-Nov-25  | 14-Nov-25  |  |  |  |  |       |                    |            |
| Sample Type                                                     | SOIL - ES  | SOIL - ES  | SOIL - ES  |  |  |  |  |       |                    |            |
| Sample Matrix Code                                              | 5A         | 4A         | 4A         |  |  |  |  |       |                    |            |
| Asbestos in Soil (inc. matrix)                                  |            |            |            |  |  |  |  |       |                    |            |
| Asbestos in soil <sub>D</sub> <sup>#</sup>                      | NAD        | NAD        | 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        | N/A        | N/A        |  |  |  |  |       |                    | A-T-045    |

Envirolab Job Number: 25/13360

Client Project Name: LFC Academy

Client Project Ref: B088269

| Lab Sample ID                                    | 25/13360/1 | 25/13360/2 | 25/13360/3 |  |  |  |  | Units | Limit of Detection | Method ref |
|--------------------------------------------------|------------|------------|------------|--|--|--|--|-------|--------------------|------------|
| Client Sample No                                 |            |            |            |  |  |  |  |       |                    |            |
| Client Sample ID                                 | RBH02      | WS01       | WS04       |  |  |  |  |       |                    |            |
| Depth to Top                                     | 0.55       | 0.70       | 1.00       |  |  |  |  |       |                    |            |
| Depth To Bottom                                  |            |            |            |  |  |  |  |       |                    |            |
| Date Sampled                                     | 14-Nov-25  | 14-Nov-25  | 14-Nov-25  |  |  |  |  |       |                    |            |
| Sample Type                                      | SOIL - ES  | SOIL - ES  | SOIL - ES  |  |  |  |  |       |                    |            |
| Sample Matrix Code                               | 5A         | 4A         | 4A         |  |  |  |  |       |                    |            |
| PAH-16MS                                         |            |            |            |  |  |  |  |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>M#</sup>          | <0.01      | 0.12       | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Acenaphthylene <sub>A</sub> <sup>M#</sup>        | <0.01      | 0.02       | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Anthracene <sub>A</sub> <sup>M#</sup>            | <0.02      | 0.17       | <0.02      |  |  |  |  | mg/kg | 0.02               | A-T-019s   |
| Benzo(a)anthracene <sub>A</sub> <sup>M#</sup>    | 0.06       | 0.85       | 0.05       |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(a)pyrene <sub>A</sub> <sup>M#</sup>        | 0.07       | 0.79       | 0.07       |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>M#</sup>  | 0.08       | 1.06       | 0.09       |  |  |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(ghi)perylene <sub>A</sub> <sup>M#</sup>    | <0.05      | 0.43       | <0.05      |  |  |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>M#</sup>  | <0.07      | 0.37       | <0.07      |  |  |  |  | mg/kg | 0.07               | A-T-019s   |
| Chrysene <sub>A</sub> <sup>M#</sup>              | 0.07       | 1.03       | 0.07       |  |  |  |  | mg/kg | 0.06               | A-T-019s   |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>M#</sup> | <0.04      | 0.10       | <0.04      |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Fluoranthene <sub>A</sub> <sup>M#</sup>          | 0.10       | 1.84       | 0.10       |  |  |  |  | mg/kg | 0.08               | A-T-019s   |
| Fluorene <sub>A</sub> <sup>M#</sup>              | <0.01      | 0.08       | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>M#</sup>  | 0.03       | 0.44       | 0.04       |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Naphthalene <sub>A</sub> <sup>M#</sup>           | <0.03      | 0.03       | <0.03      |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Phenanthrene <sub>A</sub> <sup>M#</sup>          | 0.03       | 0.67       | 0.05       |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Pyrene <sub>A</sub> <sup>M#</sup>                | 0.09       | 1.93       | 0.10       |  |  |  |  | mg/kg | 0.07               | A-T-019s   |
| Total PAH-16MS <sub>A</sub> <sup>M#</sup>        | 0.53       | 9.93       | 0.57       |  |  |  |  | mg/kg | 0.01               | A-T-019s   |

Envirolab Job Number: 25/13360

Client Project Name: LFC Academy

Client Project Ref: B088269

| Lab Sample ID                                  | 25/13360/1 | 25/13360/2 | 25/13360/3 |  |  |  |  | Units | Limit of Detection | Method ref   |
|------------------------------------------------|------------|------------|------------|--|--|--|--|-------|--------------------|--------------|
| Client Sample No                               |            |            |            |  |  |  |  |       |                    |              |
| Client Sample ID                               | RBH02      | WS01       | WS04       |  |  |  |  |       |                    |              |
| Depth to Top                                   | 0.55       | 0.70       | 1.00       |  |  |  |  |       |                    |              |
| Depth To Bottom                                |            |            |            |  |  |  |  |       |                    |              |
| Date Sampled                                   | 14-Nov-25  | 14-Nov-25  | 14-Nov-25  |  |  |  |  |       |                    |              |
| Sample Type                                    | SOIL - ES  | SOIL - ES  | SOIL - ES  |  |  |  |  |       |                    |              |
| Sample Matrix Code                             | 5A         | 4A         | 4A         |  |  |  |  |       |                    |              |
| TPH CWG with Clean Up                          |            |            |            |  |  |  |  |       |                    |              |
| Ali >C5-C6 <sub>A</sub>                        | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| Ali >C6-C8 <sub>A</sub>                        | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| Ali >C8-C10 <sub>A</sub>                       | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C10-C12 <sub>A</sub> <sup>M#</sup>        | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C12-C16 <sub>A</sub> <sup>M#</sup>        | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C16-C21 <sub>A</sub> <sup>M#</sup>        | <1         | 1          | <1         |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Ali >C21-C35 <sub>A</sub> <sup>M#</sup>        | 4          | 7          | 5          |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Total Aliphatics <sub>A</sub>                  | 4          | 8          | 5          |  |  |  |  | mg/kg | 1                  | Calc-As Recd |
| Aro >C5-C7 <sub>A</sub> <sup>#</sup>           | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| Aro >C7-C8 <sub>A</sub> <sup>#</sup>           | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| Aro >C8-C10 <sub>A</sub>                       | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C10-C12 <sub>A</sub>                      | <1         | <1         | <1         |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C12-C16 <sub>A</sub>                      | <1         | 2          | 2          |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C16-C21 <sub>A</sub> <sup>M#</sup>        | <1         | 10         | 5          |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Aro >C21-C35 <sub>A</sub> <sup>M#</sup>        | 2          | 36         | 8          |  |  |  |  | mg/kg | 1                  | A-T-055s     |
| Total Aromatics <sub>A</sub>                   | 2          | 49         | 15         |  |  |  |  | mg/kg | 1                  | Calc-As Recd |
| TPH (Ali & Aro >C5-C35) <sub>A</sub>           | 7          | 57         | 21         |  |  |  |  | mg/kg | 1                  | Calc-As Recd |
| BTEX - Benzene <sub>A</sub> <sup>#</sup>       | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| BTEX - Toluene <sub>A</sub> <sup>#</sup>       | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| BTEX - Ethyl Benzene <sub>A</sub> <sup>#</sup> | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| BTEX - m & p Xylene <sub>A</sub> <sup>#</sup>  | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| BTEX - o Xylene <sub>A</sub> <sup>#</sup>      | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-022s     |
| MTBE <sub>A</sub> <sup>#</sup>                 | <0.01      | <0.01      | <0.01      |  |  |  |  | mg/kg | 0.01               | A-T-022s     |

## Report Notes

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- The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **four 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.
- 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.
- If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
- Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

### 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 “D” on Asbestos | Analysis performed on a dried aliquot of sample provided.                                             |
| 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                                                                                  |
| Trace                     | Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.          |
| N/A                       | Not applicable                                                                                        |

### Asbestos

**Identification:** 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

“Trace Asbestos Identified” will be reported if there is not enough present to verify the type.

### 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 calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

## Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU  
Tel. 0161 368 4921 email. ask@envlab.co.uk

|                            |                                                                                                        |                                    |                 |
|----------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------|-----------------|
| <b>Client:</b>             | Curtins Consulting (Manchester), Merchant Exchange, 17-19 Whitworth Street ,<br>Manchester, UK, M1 5WG | <b>Project No:</b>                 | 25/13360        |
| <b>Project:</b>            | LFC Academy                                                                                            | <b>Date Received:</b>              | 20/11/2025 (am) |
| <b>Clients Project No:</b> | B088269                                                                                                | <b>Cool Box Temperatures (°C):</b> | 3.6             |

### 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

| Lab Sample ID          | 25/13360/1     | 25/13360/2 | 25/13360/3 |
|------------------------|----------------|------------|------------|
| Client Sample No       |                |            |            |
| Client Sample ID/Depth | RBH02<br>0.55m | WS01 0.70m | WS04 1.00m |
| Date Sampled           | 14/11/25       | 14/11/25   | 14/11/25   |
| A-T-019s               | 28/11/2025     | 28/11/2025 | 28/11/2025 |
| A-T-022s               | 26/11/2025     | 26/11/2025 | 26/11/2025 |
| A-T-024s               | 02/12/2025     | 02/12/2025 | 02/12/2025 |
| A-T-026s               | 01/12/2025     | 01/12/2025 | 01/12/2025 |
| A-T-027s               | 02/12/2025     | 02/12/2025 | 02/12/2025 |
| A-T-031s               | 03/12/2025     | 03/12/2025 | 03/12/2025 |
| A-T-032s               | 03/12/2025     | 03/12/2025 | 03/12/2025 |
| A-T-040s               | 01/12/2025     | 01/12/2025 | 01/12/2025 |
| A-T-042sTCN            | 25/11/2025     | 25/11/2025 | 25/11/2025 |
| A-T-044                | 27/11/2025     | 27/11/2025 | 27/11/2025 |
| A-T-045                | 24/11/2025     | 24/11/2025 | 24/11/2025 |
| A-T-050s               | 01/12/2025     | 01/12/2025 | 01/12/2025 |
| A-T-055s               | 27/11/2025     | 27/11/2025 | 27/11/2025 |
| Calc-As Recd           | 27/11/2025     | 27/11/2025 | 27/11/2025 |

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:** 25/13660  
**Issue Number:** 1

**Date:** 08 December, 2025

**Client:** Curtins Consulting (Manchester)  
Merchant Exchange  
17-19 Whitworth Street  
Manchester  
UK  
M1 5WG

**Project Manager:** Jonathan Provis  
**Project Name:** LFC Academy  
**Project Ref:** 088269  
**Order No:** 28354  
**Date Samples Received:** 21/11/25  
**Date Instructions Received:** 26/11/25  
**Date Analysis Completed:** 08/12/25

**Approved by:**



Gemma Berrisford  
Deputy Client Services Supervisor

Envirolab Job Number: 25/13660

Client Project Name: LFC Academy

Client Project Ref: 088269

| Lab Sample ID                                       | 25/13660/1 | 25/13660/2 |  |  |  |  |  | Units | Limit of Detection | Method ref  |
|-----------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|-------------|
| Client Sample No                                    |            |            |  |  |  |  |  |       |                    |             |
| Client Sample ID                                    | RBH06      | RBH06      |  |  |  |  |  |       |                    |             |
| Depth to Top                                        | 0.50       | 3.50       |  |  |  |  |  |       |                    |             |
| Depth To Bottom                                     | 0.60       | 3.60       |  |  |  |  |  |       |                    |             |
| Date Sampled                                        | 20-Nov-25  | 20-Nov-25  |  |  |  |  |  |       |                    |             |
| Sample Type                                         | SOIL       | SOIL       |  |  |  |  |  |       |                    |             |
| Sample Matrix Code                                  | 4ABE       | 5AB        |  |  |  |  |  |       |                    |             |
| % Moisture at <40C <sub>A</sub>                     | 12.1       | 12.6       |  |  |  |  |  | % w/w | 0.1                | A-T-044     |
| % Stones >10mm <sub>A</sub>                         | 4.2        | <0.1       |  |  |  |  |  | % w/w | 0.1                | A-T-044     |
| pH <sub>D</sub> <sup>M#</sup>                       | 8.36       | 8.44       |  |  |  |  |  | pH    | 0.01               | A-T-031s    |
| Sulphate (water sol 2:1) <sub>D</sub> <sup>M#</sup> | 0.09       | 0.08       |  |  |  |  |  | g/l   | 0.01               | 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    |
| Organic Matter <sub>D</sub> <sup>M#</sup>           | 2.76       | 2.62       |  |  |  |  |  | % w/w | 0.14               | A-T-032s    |
| Arsenic <sub>D</sub> <sup>M#</sup>                  | 8          | 10         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Boron (water soluble) <sub>D</sub> <sup>M#</sup>    | 1.8        | 1.9        |  |  |  |  |  | mg/kg | 1                  | A-T-027s    |
| Cadmium <sub>D</sub>                                | <1.0       | <1.0       |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Copper <sub>D</sub> <sup>M#</sup>                   | 34         | 33         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium <sub>D</sub> <sup>M#</sup>                 | 13         | 16         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Chromium (hexavalent) <sub>D</sub>                  | <1         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-040s    |
| Lead <sub>D</sub> <sup>M#</sup>                     | 185        | 135        |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Mercury <sub>D</sub>                                | <0.17      | 0.36       |  |  |  |  |  | mg/kg | 0.17               | A-T-024s    |
| Nickel <sub>D</sub> <sup>M#</sup>                   | 13         | 16         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Selenium <sub>D</sub> <sup>M#</sup>                 | <1         | <1         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |
| Zinc <sub>D</sub> <sup>M#</sup>                     | 269        | 79         |  |  |  |  |  | mg/kg | 1                  | A-T-024s    |

Envirolab Job Number: 25/13660

Client Project Name: LFC Academy

Client Project Ref: 088269

|                                                                 |            |            |  |  |  |  |  |  |  |         |
|-----------------------------------------------------------------|------------|------------|--|--|--|--|--|--|--|---------|
| Lab Sample ID                                                   | 25/13660/1 | 25/13660/2 |  |  |  |  |  |  |  |         |
| Client Sample No                                                |            |            |  |  |  |  |  |  |  |         |
| Client Sample ID                                                | RBH06      | RBH06      |  |  |  |  |  |  |  |         |
| Depth to Top                                                    | 0.50       | 3.50       |  |  |  |  |  |  |  |         |
| Depth To Bottom                                                 | 0.60       | 3.60       |  |  |  |  |  |  |  |         |
| Date Sampled                                                    | 20-Nov-25  | 20-Nov-25  |  |  |  |  |  |  |  |         |
| Sample Type                                                     | SOIL       | SOIL       |  |  |  |  |  |  |  |         |
| Sample Matrix Code                                              | 4ABE       | 5AB        |  |  |  |  |  |  |  |         |
| Asbestos in Soil (inc. matrix)                                  |            |            |  |  |  |  |  |  |  |         |
| Asbestos in soil <sub>D</sub> <sup>#</sup>                      | NAD        | 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        | N/A        |  |  |  |  |  |  |  | A-T-045 |

Envirolab Job Number: 25/13660

Client Project Name: LFC Academy

Client Project Ref: 088269

| Lab Sample ID                                    | 25/13660/1 | 25/13660/2 |  |  |  |  |  | Units | Limit of Detection | Method ref |
|--------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|------------|
| Client Sample No                                 |            |            |  |  |  |  |  |       |                    |            |
| Client Sample ID                                 | RBH06      | RBH06      |  |  |  |  |  |       |                    |            |
| Depth to Top                                     | 0.50       | 3.50       |  |  |  |  |  |       |                    |            |
| Depth To Bottom                                  | 0.60       | 3.60       |  |  |  |  |  |       |                    |            |
| Date Sampled                                     | 20-Nov-25  | 20-Nov-25  |  |  |  |  |  |       |                    |            |
| Sample Type                                      | SOIL       | SOIL       |  |  |  |  |  |       |                    |            |
| Sample Matrix Code                               | 4ABE       | 5AB        |  |  |  |  |  |       |                    |            |
| PAH-16MS                                         |            |            |  |  |  |  |  |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>M#</sup>          | 0.64       | 0.22       |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Acenaphthylene <sub>A</sub> <sup>M#</sup>        | 0.03       | <0.01      |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Anthracene <sub>A</sub> <sup>M#</sup>            | 0.72       | 0.17       |  |  |  |  |  | mg/kg | 0.02               | A-T-019s   |
| Benzo(a)anthracene <sub>A</sub> <sup>M#</sup>    | 1.65       | 0.58       |  |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(a)pyrene <sub>A</sub> <sup>M#</sup>        | 1.23       | 0.61       |  |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>M#</sup>  | 1.56       | 0.58       |  |  |  |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(ghi)perylene <sub>A</sub> <sup>M#</sup>    | 0.76       | 0.40       |  |  |  |  |  | mg/kg | 0.05               | A-T-019s   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>M#</sup>  | 0.53       | 0.23       |  |  |  |  |  | mg/kg | 0.07               | A-T-019s   |
| Chrysene <sub>A</sub> <sup>M#</sup>              | 1.95       | 0.79       |  |  |  |  |  | mg/kg | 0.06               | A-T-019s   |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>M#</sup> | 0.19       | 0.07       |  |  |  |  |  | mg/kg | 0.04               | A-T-019s   |
| Fluoranthene <sub>A</sub> <sup>M#</sup>          | 4.08       | 1.25       |  |  |  |  |  | mg/kg | 0.08               | A-T-019s   |
| Fluorene <sub>A</sub> <sup>M#</sup>              | 0.33       | 0.11       |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>M#</sup>  | 0.77       | 0.40       |  |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Naphthalene <sub>A</sub> <sup>M#</sup>           | 0.05       | 0.19       |  |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Phenanthrene <sub>A</sub> <sup>M#</sup>          | 2.20       | 0.98       |  |  |  |  |  | mg/kg | 0.03               | A-T-019s   |
| Pyrene <sub>A</sub> <sup>M#</sup>                | 4.05       | 1.25       |  |  |  |  |  | mg/kg | 0.07               | A-T-019s   |
| Total PAH-16MS <sub>A</sub> <sup>M#</sup>        | 20.7       | 7.83       |  |  |  |  |  | mg/kg | 0.01               | A-T-019s   |

Envirolab Job Number: 25/13660

Client Project Name: LFC Academy

Client Project Ref: 088269

|                                                |            |            |  |  |  |  |  |       |      |              |
|------------------------------------------------|------------|------------|--|--|--|--|--|-------|------|--------------|
| Lab Sample ID                                  | 25/13660/1 | 25/13660/2 |  |  |  |  |  |       |      |              |
| Client Sample No                               |            |            |  |  |  |  |  |       |      |              |
| Client Sample ID                               | RBH06      | RBH06      |  |  |  |  |  |       |      |              |
| Depth to Top                                   | 0.50       | 3.50       |  |  |  |  |  |       |      |              |
| Depth To Bottom                                | 0.60       | 3.60       |  |  |  |  |  |       |      |              |
| Date Sampled                                   | 20-Nov-25  | 20-Nov-25  |  |  |  |  |  |       |      |              |
| Sample Type                                    | SOIL       | SOIL       |  |  |  |  |  |       |      |              |
| Sample Matrix Code                             | 4ABE       | 5AB        |  |  |  |  |  |       |      |              |
| TPH CWG 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>                        | <0.01      | <0.01      |  |  |  |  |  | mg/kg | 0.01 | A-T-022s     |
| Ali >C8-C10 <sub>A</sub>                       | <1         | <10        |  |  |  |  |  | mg/kg | 1    | A-T-055s     |
| Ali >C10-C12 <sub>A</sub> <sup>M#</sup>        | <1         | <10        |  |  |  |  |  | mg/kg | 1    | A-T-055s     |
| Ali >C12-C16 <sub>A</sub> <sup>M#</sup>        | <1         | <10        |  |  |  |  |  | mg/kg | 1    | A-T-055s     |
| Ali >C16-C21 <sub>A</sub> <sup>M#</sup>        | 2          | <10        |  |  |  |  |  | mg/kg | 1    | A-T-055s     |
| Ali >C21-C35 <sub>A</sub> <sup>M#</sup>        | 17         | 212        |  |  |  |  |  | mg/kg | 1    | A-T-055s     |
| Total Aliphatics <sub>A</sub>                  | 20         | 212        |  |  |  |  |  | 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>                       | <5         | <10        |  |  |  |  |  | mg/kg | 1    | A-T-055s     |
| Aro >C10-C12 <sub>A</sub>                      | <1         | <10        |  |  |  |  |  | mg/kg | 1    | A-T-055s     |
| Aro >C12-C16 <sub>A</sub>                      | 4          | <10        |  |  |  |  |  | mg/kg | 1    | A-T-055s     |
| Aro >C16-C21 <sub>A</sub> <sup>M#</sup>        | 20         | 23         |  |  |  |  |  | mg/kg | 1    | A-T-055s     |
| Aro >C21-C35 <sub>A</sub> <sup>M#</sup>        | 63         | 76         |  |  |  |  |  | mg/kg | 1    | A-T-055s     |
| Total Aromatics <sub>A</sub>                   | 87         | 98         |  |  |  |  |  | mg/kg | 1    | Calc-As Recd |
| TPH (Ali & Aro >C5-C35) <sub>A</sub>           | 107        | 310        |  |  |  |  |  | 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 client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
- 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 **four 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.
- 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.
- If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
- Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

### 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 “D” on Asbestos | Analysis performed on a dried aliquot of sample provided.                                             |
| 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                                                                                  |
| Trace                     | Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.          |
| N/A                       | Not applicable                                                                                        |

### Asbestos

**Identification:** 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

“Trace Asbestos Identified” will be reported if there is not enough present to verify the type.

### 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 calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

## Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU  
Tel. 0161 368 4921 email. ask@envlab.co.uk

|                            |                                                                                                        |                                    |                 |
|----------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------|-----------------|
| <b>Client:</b>             | Curtins Consulting (Manchester), Merchant Exchange, 17-19 Whitworth Street ,<br>Manchester, UK, M1 5WG | <b>Project No:</b>                 | 25/13660        |
| <b>Project:</b>            | LFC Academy                                                                                            | <b>Date Received:</b>              | 26/11/2025 (am) |
| <b>Clients Project No:</b> | 088269                                                                                                 | <b>Cool Box Temperatures (°C):</b> | 10.2            |

### NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

## Envirolab Analysis Dates

| Lab Sample ID          | 25/13660/1          | 25/13660/2          |
|------------------------|---------------------|---------------------|
| Client Sample No       |                     |                     |
| Client Sample ID/Depth | RBH06<br>0.50-0.60m | RBH06<br>3.50-3.60m |
| Date Sampled           | 20/11/25            | 20/11/25            |
| A-T-019s               | 03/12/2025          | 03/12/2025          |
| A-T-022s               | 03/12/2025          | 03/12/2025          |
| A-T-024s               | 04/12/2025          | 04/12/2025          |
| A-T-026s               | 04/12/2025          | 04/12/2025          |
| A-T-027s               | 04/12/2025          | 04/12/2025          |
| A-T-031s               | 04/12/2025          | 04/12/2025          |
| A-T-032s               | 05/12/2025          | 05/12/2025          |
| A-T-040s               | 04/12/2025          | 04/12/2025          |
| A-T-042sTCN            | 04/12/2025          | 04/12/2025          |
| A-T-044                | 02/12/2025          | 02/12/2025          |
| A-T-045                | 28/11/2025          | 28/11/2025          |
| A-T-050s               | 08/12/2025          | 08/12/2025          |
| A-T-055s               | 04/12/2025          | 04/12/2025          |
| Calc-As Recd           | 04/12/2025          | 04/12/2025          |

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:** 26/00466  
**Issue Number:** 1

**Date:** 26 January, 2026

**Client:** Curtins Consulting (Manchester)  
Merchant Exchange  
17-19 Whitworth Street  
Manchester  
UK  
M1 5WG

**Project Manager:** Niall Farnworth/Russell Taylor  
**Project Name:** LFC Academy  
**Project Ref:** B088269  
**Order No:** 29352  
**Date Samples Received:** 16/01/26  
**Date Instructions Received:** 19/01/26  
**Date Analysis Completed:** 26/01/26

**Approved by:**



Zipporah Bannister  
Client Manager

Envirolab Job Number: 26/00466

Client Project Name: LFC Academy

Client Project Ref: B088269

| Lab Sample ID                                                | 26/00466/1 | 26/00466/2 |  |  |  |  |  | Units                   | Limit of Detection | Method ref  |
|--------------------------------------------------------------|------------|------------|--|--|--|--|--|-------------------------|--------------------|-------------|
| Client Sample No                                             |            |            |  |  |  |  |  |                         |                    |             |
| Client Sample ID                                             | RBH03      | RBH02      |  |  |  |  |  |                         |                    |             |
| Depth to Top                                                 | 9.00       | 6.00       |  |  |  |  |  |                         |                    |             |
| Depth To Bottom                                              | 10.00      | 7.00       |  |  |  |  |  |                         |                    |             |
| Date Sampled                                                 | 16-Jan-26  | 16-Jan-26  |  |  |  |  |  |                         |                    |             |
| Sample Type                                                  | WATER - EW | WATER - EW |  |  |  |  |  |                         |                    |             |
| Sample Matrix Code                                           | N/A        | N/A        |  |  |  |  |  |                         |                    |             |
| pH (w) <sub>A</sub> <sup>#</sup>                             | 6.93       | 6.37       |  |  |  |  |  | pH                      | 0.01               | A-T-031w    |
| pH BRE (w) <sub>A</sub> <sup>#</sup>                         | 6.93       | 6.37       |  |  |  |  |  | pH                      | 0.01               | A-T-031w    |
| Hardness Total <sub>A</sub> <sup>#</sup>                     | 281.3      | 362.5      |  |  |  |  |  | mg/l Ca CO <sub>3</sub> | 4                  | A-T-049w    |
| Ammoniacal nitrogen as N (w) <sub>A</sub> <sup>#</sup>       | 0.05       | 0.06       |  |  |  |  |  | mg/l                    | 0.05               | A-T-033w    |
| Sulphate (w) <sub>A</sub> <sup>#</sup>                       | 84         | 93         |  |  |  |  |  | mg/l                    | 1                  | A-T-026w    |
| Sulphate BRE (w) <sub>A</sub> <sup>#</sup>                   | 84         | 93         |  |  |  |  |  | mg/l                    | 1                  | A-T-026w    |
| Cyanide (total) (w) <sub>A</sub> <sup>#</sup>                | <0.005     | <0.005     |  |  |  |  |  | mg/l                    | 0.005              | A-T-042wTCN |
| Phenols - Total by HPLC (w) <sub>A</sub>                     | 0.01       | <0.01      |  |  |  |  |  | mg/l                    | 0.01               | A-T-050w    |
| Sulphide (w) <sub>A</sub>                                    | <0.1       | <0.1       |  |  |  |  |  | mg/l                    | 0.1                | A-T-043-w   |
| DOC - Dissolved Organic Carbon (w) <sub>A</sub> <sup>#</sup> | 6.2        | 16.9       |  |  |  |  |  | mg/l                    | 2                  | A-T-032w    |
| Arsenic (dissolved) <sub>A</sub> <sup>#</sup>                | <1         | <1         |  |  |  |  |  | µg/l                    | 1                  | A-T-025w    |
| Boron (dissolved) <sub>A</sub> <sup>#</sup>                  | 45         | 119        |  |  |  |  |  | µg/l                    | 10                 | A-T-025w    |
| Cadmium (dissolved) <sub>A</sub> <sup>#</sup>                | <0.2       | <0.2       |  |  |  |  |  | µg/l                    | 0.2                | A-T-025w    |
| Calcium (dissolved) <sub>A</sub> <sup>#</sup>                | 82.3       | 114.8      |  |  |  |  |  | mg/l                    | 1                  | A-T-049w    |
| Copper (dissolved) <sub>A</sub> <sup>#</sup>                 | 7          | 16         |  |  |  |  |  | µg/l                    | 4                  | A-T-025w    |
| Chromium (dissolved) <sub>A</sub> <sup>#</sup>               | <1         | 4          |  |  |  |  |  | µg/l                    | 1                  | A-T-025w    |
| Lead (dissolved) <sub>A</sub> <sup>#</sup>                   | 0.2        | 0.3        |  |  |  |  |  | µg/l                    | 0.1                | A-T-025w    |
| Mercury (dissolved) <sub>A</sub> <sup>#</sup>                | <0.1       | <0.1       |  |  |  |  |  | µg/l                    | 0.1                | A-T-025w    |
| Nickel (dissolved) <sub>A</sub> <sup>#</sup>                 | 35         | 13         |  |  |  |  |  | µg/l                    | 2                  | A-T-025w    |
| Selenium (dissolved) <sub>A</sub> <sup>#</sup>               | 7          | 1          |  |  |  |  |  | µg/l                    | 1                  | A-T-025w    |
| Zinc (dissolved) <sub>A</sub> <sup>#</sup>                   | 43         | 29         |  |  |  |  |  | µg/l                    | 2                  | A-T-025w    |

Envirolab Job Number: 26/00466

Client Project Name: LFC Academy

Client Project Ref: B088269

| Lab Sample ID                                       | 26/00466/1  | 26/00466/2  |  |  |  |  |  | Units       | Limit of Detection | Method ref      |
|-----------------------------------------------------|-------------|-------------|--|--|--|--|--|-------------|--------------------|-----------------|
| Client Sample No                                    |             |             |  |  |  |  |  |             |                    |                 |
| Client Sample ID                                    | RBH03       | RBH02       |  |  |  |  |  |             |                    |                 |
| Depth to Top                                        | 9.00        | 6.00        |  |  |  |  |  |             |                    |                 |
| Depth To Bottom                                     | 10.00       | 7.00        |  |  |  |  |  |             |                    |                 |
| Date Sampled                                        | 16-Jan-26   | 16-Jan-26   |  |  |  |  |  |             |                    |                 |
| Sample Type                                         | WATER - EW  | WATER - EW  |  |  |  |  |  |             |                    |                 |
| Sample Matrix Code                                  | N/A         | N/A         |  |  |  |  |  |             |                    |                 |
| <b>PAH 16MS (w)</b>                                 |             |             |  |  |  |  |  |             |                    |                 |
| Acenaphthene (w) <sub>A</sub> <sup>#</sup>          | <0.01       | <0.01       |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Acenaphthylene (w) <sub>A</sub> <sup>#</sup>        | <0.01       | <0.01       |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Anthracene (w) <sub>A</sub> <sup>#</sup>            | <0.01       | 0.02        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Benzo(a)anthracene (w) <sub>A</sub> <sup>#</sup>    | <0.01       | 0.06        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Benzo(a)pyrene (w) <sub>A</sub> <sup>#</sup>        | <0.01       | 0.04        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Benzo(b)fluoranthene (w) <sub>A</sub> <sup>#</sup>  | <0.01       | 0.05        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Benzo(ghi)perylene (w) <sub>A</sub> <sup>#</sup>    | <0.01       | 0.02        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Benzo(k)fluoranthene (w) <sub>A</sub> <sup>#</sup>  | <0.01       | 0.02        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Chrysene (w) <sub>A</sub> <sup>#</sup>              | 0.01        | 0.06        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Dibenzo(ah)anthracene (w) <sub>A</sub> <sup>#</sup> | <0.01       | <0.01       |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Fluoranthene (w) <sub>A</sub> <sup>#</sup>          | 0.02        | 0.11        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Fluorene (w) <sub>A</sub> <sup>#</sup>              | <0.01       | 0.01        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Indeno(123-cd)pyrene (w) <sub>A</sub> <sup>#</sup>  | <0.01       | 0.02        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Naphthalene (w) <sub>A</sub> <sup>#</sup>           | <0.01       | <0.01       |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Phenanthrene (w) <sub>A</sub> <sup>#</sup>          | <0.01       | 0.06        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| Pyrene (w) <sub>A</sub> <sup>#</sup>                | 0.02        | 0.11        |  |  |  |  |  | µg/l        | 0.01               | A-T-019w        |
| <b>Total PAH 16MS (w)<sub>A</sub><sup>#</sup></b>   | <b>0.05</b> | <b>0.58</b> |  |  |  |  |  | <b>µg/l</b> | <b>0.01</b>        | <b>A-T-019w</b> |

Envirolab Job Number: 26/00466

Client Project Name: LFC Academy

Client Project Ref: B088269

| Lab Sample ID                                      | 26/00466/1 | 26/00466/2 |  |  |  |  |  | Units | Limit of Detection | Method ref   |
|----------------------------------------------------|------------|------------|--|--|--|--|--|-------|--------------------|--------------|
| Client Sample No                                   |            |            |  |  |  |  |  |       |                    |              |
| Client Sample ID                                   | RBH03      | RBH02      |  |  |  |  |  |       |                    |              |
| Depth to Top                                       | 9.00       | 6.00       |  |  |  |  |  |       |                    |              |
| Depth To Bottom                                    | 10.00      | 7.00       |  |  |  |  |  |       |                    |              |
| Date Sampled                                       | 16-Jan-26  | 16-Jan-26  |  |  |  |  |  |       |                    |              |
| Sample Type                                        | WATER - EW | WATER - EW |  |  |  |  |  |       |                    |              |
| Sample Matrix Code                                 | N/A        | N/A        |  |  |  |  |  |       |                    |              |
| TPH CWG (w) with Clean Up                          |            |            |  |  |  |  |  |       |                    |              |
| Ali >C5-C6 (w) <sub>A</sub> <sup>#</sup>           | <1         | <1         |  |  |  |  |  | µg/l  | 1                  | A-T-022w     |
| Ali >C6-C8 (w) <sub>A</sub> <sup>#</sup>           | <1         | <1         |  |  |  |  |  | µg/l  | 1                  | A-T-022w     |
| Ali >C8-C10 (w) <sub>A</sub> <sup>#</sup>          | <5         | <5         |  |  |  |  |  | µg/l  | 5                  | A-T-055w     |
| Ali >C10-C12 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         |  |  |  |  |  | µg/l  | 5                  | A-T-055w     |
| Ali >C12-C16 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         |  |  |  |  |  | µg/l  | 5                  | A-T-055w     |
| Ali >C16-C21 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         |  |  |  |  |  | µg/l  | 5                  | A-T-055w     |
| Ali >C21-C35 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         |  |  |  |  |  | µg/l  | 5                  | A-T-055w     |
| Total Aliphatics (w) <sub>A</sub> <sup>#</sup>     | <5         | <5         |  |  |  |  |  | µg/l  | 5                  | Calc-As Recd |
| Aro >C5-C7 (w) <sub>A</sub> <sup>#</sup>           | <1         | <1         |  |  |  |  |  | µg/l  | 1                  | A-T-022w     |
| Aro >C7-C8 (w) <sub>A</sub> <sup>#</sup>           | <1         | <1         |  |  |  |  |  | µg/l  | 1                  | A-T-022w     |
| Aro >C8-C10 (w) <sub>A</sub>                       | <5         | <5         |  |  |  |  |  | µg/l  | 5                  | A-T-055w     |
| Aro >C10-C12 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         |  |  |  |  |  | µg/l  | 5                  | A-T-055w     |
| Aro >C12-C16 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         |  |  |  |  |  | µg/l  | 5                  | A-T-055w     |
| Aro >C16-C21 (w) <sub>A</sub> <sup>#</sup>         | <5         | <5         |  |  |  |  |  | µg/l  | 5                  | A-T-055w     |
| Aro >C21-C35 (w) <sub>A</sub> <sup>#</sup>         | <10        | <10        |  |  |  |  |  | µg/l  | 10                 | A-T-055w     |
| Total Aromatics (w) <sub>A</sub> <sup>#</sup>      | <10        | <10        |  |  |  |  |  | µg/l  | 10                 | Calc-As Recd |
| TPH (Ali & Aro >C5-C35) (w) <sub>A</sub>           | <10        | <10        |  |  |  |  |  | µg/l  | 10                 | Calc-As Recd |
| BTEX - Benzene (w) <sub>A</sub> <sup>#</sup>       | <1         | <1         |  |  |  |  |  | µg/l  | 1                  | A-T-022w     |
| BTEX - Toluene (w) <sub>A</sub> <sup>#</sup>       | <1         | <1         |  |  |  |  |  | µg/l  | 1                  | A-T-022w     |
| BTEX - Ethyl Benzene (w) <sub>A</sub> <sup>#</sup> | <1         | <1         |  |  |  |  |  | µg/l  | 1                  | A-T-022w     |
| BTEX - m & p Xylene (w) <sub>A</sub> <sup>#</sup>  | <1         | <1         |  |  |  |  |  | µg/l  | 1                  | A-T-022w     |
| BTEX - o Xylene (w) <sub>A</sub> <sup>#</sup>      | <1         | <1         |  |  |  |  |  | µg/l  | 1                  | A-T-022w     |
| MTBE (w) <sub>A</sub> <sup>#</sup>                 | <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 client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
- 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 **four 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.
- 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.
- If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
- Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

### 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 “D” on Asbestos | Analysis performed on a dried aliquot of sample provided.                                             |
| 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                                                                                  |
| Trace                     | Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.          |
| N/A                       | Not applicable                                                                                        |

### Asbestos

**Identification:** 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

“Trace Asbestos Identified” will be reported if there is not enough present to verify the type.

### 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 calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

## Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU  
Tel. 0161 368 4921 email. ask@envlab.co.uk

**Client:** Curtins Consulting (Manchester), Merchant Exchange, 17-19 Whitworth Street ,  
Manchester, UK, M1 5WG

**Project No:** 26/00466

**Date Received:** 19/01/2026 (am)

**Project:** LFC Academy

**Cool Box Temperatures (°C):** 5.5

**Clients Project No:** B088269

| Lab Sample ID          | 26/00466/1           | 26/00466/2          |
|------------------------|----------------------|---------------------|
| Client Sample No       |                      |                     |
| Client Sample ID/Depth | RBH03<br>9.00-10.00m | RBH02<br>6.00-7.00m |
| Date Sampled           | 16/01/26             | 16/01/26            |
| Deviation Code         |                      |                     |
| F                      | ✓                    | ✓                   |

Key

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

### HOLDING TIME EXCEEDANCES

| Lab Sample ID          | 26/00466/1           | 26/00466/2          |
|------------------------|----------------------|---------------------|
| Client Sample No       |                      |                     |
| Client Sample ID/Depth | RBH03<br>9.00-10.00m | RBH02<br>6.00-7.00m |
| Date Sampled           | 16/01/26             | 16/01/26            |
| pH (w)                 | ✓                    | ✓                   |
| pH BRE (w)             | ✓                    | ✓                   |

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

| Lab Sample ID          | 26/00466/1           | 26/00466/2          |
|------------------------|----------------------|---------------------|
| Client Sample No       |                      |                     |
| Client Sample ID/Depth | RBH03<br>9.00-10.00m | RBH02<br>6.00-7.00m |
| Date Sampled           | 16/01/26             | 16/01/26            |
| A-T-019w               | 21/01/2026           | 21/01/2026          |
| A-T-022w               | 21/01/2026           | 21/01/2026          |
| A-T-025w               | 21/01/2026           | 21/01/2026          |
| A-T-026w               | 21/01/2026           | 21/01/2026          |
| A-T-031w               | 21/01/2026           | 21/01/2026          |
| A-T-032w               | 26/01/2026           | 26/01/2026          |
| A-T-033w               | 21/01/2026           | 21/01/2026          |
| A-T-042wTCN            | 20/01/2026           | 20/01/2026          |
| A-T-043-w              | 21/01/2026           | 21/01/2026          |
| A-T-049w               | 23/01/2026           | 23/01/2026          |
| A-T-050w               | 22/01/2026           | 22/01/2026          |
| A-T-055w               | 21/01/2026           | 21/01/2026          |
| Calc-As Recd           | 21/01/2026           | 21/01/2026          |

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:** 25/13127  
**Issue Number:** 1

**Date:** 27 November, 2025

**Client:** Curtins Consulting (Manchester)  
Merchant Exchange  
17-19 Whitworth Street  
Manchester  
UK  
M1 5WG

**Project Manager:** EBMA/Jonathan Provis/Niall Farnworth  
**Project Name:** LFC Academy  
**Project Ref:** 88269  
**Order No:** 28123  
**Date Samples Received:** 14/11/25  
**Date Instructions Received:** 17/11/25  
**Date Analysis Completed:** 27/11/25

**Approved by:**



Amy Riding  
Client Manager

Envirolab Job Number: 25/13127

Client Project Name: LFC Academy

Client Project Ref: 88269

| Lab Sample ID                                       | 25/13127/1 | 25/13127/2 | 25/13127/3 | 25/13127/4 | 25/13127/5 | 25/13127/6 | 25/13127/7 | Units | Limit of Detection | Method ref  |
|-----------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|-------------|
| Client Sample No                                    |            |            |            |            |            |            |            |       |                    |             |
| Client Sample ID                                    | RBH05      | RBH03      | HP02       | HP01       | HP07       | HP08       | HP11       |       |                    |             |
| Depth to Top                                        | 0.40       | 0.60       | 0.50       | 0.70       | 0.40       | 0.50       | 0.20       |       |                    |             |
| Depth To Bottom                                     | 0.50       | 0.70       | 0.60       | 0.80       | 0.50       | 0.60       | 0.30       |       |                    |             |
| Date Sampled                                        | 10-Nov-25  | 11-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  |       |                    |             |
| Sample Type                                         | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  |       |                    |             |
| Sample Matrix Code                                  | 4AE        | 4AE        | 4AE        | 4A         | 1A         | 4A         | 4A         |       |                    |             |
| % Stones >10mm <sub>A</sub>                         | <0.1       | <0.1       | 4.9        | 10.7       | <0.1       | 0.7        | <0.1       | % w/w | 0.1                | A-T-044     |
| pH <sub>D</sub> <sup>M#</sup>                       | 7.14       | 7.63       | 7.80       | 8.01       | 8.07       | 7.90       | 8.41       | pH    | 0.01               | A-T-031s    |
| Sulphate (water sol 2:1) <sub>D</sub> <sup>M#</sup> | <0.01      | <0.01      | 0.08       | 0.06       | 0.02       | 0.02       | 0.01       | g/l   | 0.01               | A-T-026s    |
| Cyanide (total) <sub>A</sub> <sup>M#</sup>          | <1         | <1         | <1         | <1         | <1         | <1         | <1         | mg/kg | 1                  | A-T-042sTCN |
| Phenols - Total by HPLC <sub>A</sub>                | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       | <0.2       | mg/kg | 0.2                | A-T-050s    |
| Organic Matter <sub>D</sub> <sup>M#</sup>           | 3.05       | 2.57       | 1.93       | 3.25       | 0.29       | 0.80       | 1.67       | % w/w | 0.14               | A-T-032s    |
| Arsenic <sub>D</sub> <sup>M#</sup>                  | 9          | 5          | 3          | 4          | 7          | <1         | 1          | mg/kg | 1                  | A-T-024s    |
| Boron (water soluble) <sub>D</sub> <sup>M#</sup>    | <1.0       | <1.0       | <1.0       | <1.0       | <1.0       | <1.0       | <1.0       | mg/kg | 1                  | A-T-027s    |
| Cadmium <sub>D</sub>                                | <1.0       | <1.0       | <1.0       | <1.0       | <1.0       | <1.0       | <1.0       | mg/kg | 1                  | A-T-024s    |
| Copper <sub>D</sub> <sup>M#</sup>                   | 27         | 33         | 22         | 21         | 25         | 3          | 6          | mg/kg | 1                  | A-T-024s    |
| Chromium <sub>D</sub> <sup>M#</sup>                 | 17         | 9          | 9          | 8          | 11         | 4          | 5          | mg/kg | 1                  | A-T-024s    |
| Chromium (hexavalent) <sub>D</sub>                  | <1         | <1         | <1         | <1         | <1         | <1         | <1         | mg/kg | 1                  | A-T-040s    |
| Lead <sub>D</sub> <sup>M#</sup>                     | 68         | 50         | 24         | 40         | 120        | 5          | 12         | mg/kg | 1                  | A-T-024s    |
| Mercury <sub>D</sub>                                | <0.17      | <0.17      | <0.17      | <0.17      | <0.17      | <0.17      | <0.17      | mg/kg | 0.17               | A-T-024s    |
| Nickel <sub>D</sub> <sup>M#</sup>                   | 15         | 10         | 9          | 10         | 12         | 3          | 4          | mg/kg | 1                  | A-T-024s    |
| Selenium <sub>D</sub> <sup>M#</sup>                 | <1         | <1         | <1         | <1         | <1         | <1         | <1         | mg/kg | 1                  | A-T-024s    |
| Zinc <sub>D</sub> <sup>M#</sup>                     | 138        | 56         | 35         | 49         | 58         | 10         | 14         | mg/kg | 1                  | A-T-024s    |

Envirolab Job Number: 25/13127

Client Project Name: LFC Academy

Client Project Ref: 88269

| Lab Sample ID                                                           | 25/13127/1 | 25/13127/2 | 25/13127/3 | 25/13127/4 | 25/13127/5 | 25/13127/6 | 25/13127/7   | Units | Limit of Detection | Method ref |
|-------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|--------------|-------|--------------------|------------|
| Client Sample No                                                        |            |            |            |            |            |            |              |       |                    |            |
| Client Sample ID                                                        | RBH05      | RBH03      | HP02       | HP01       | HP07       | HP08       | HP11         |       |                    |            |
| Depth to Top                                                            | 0.40       | 0.60       | 0.50       | 0.70       | 0.40       | 0.50       | 0.20         |       |                    |            |
| Depth To Bottom                                                         | 0.50       | 0.70       | 0.60       | 0.80       | 0.50       | 0.60       | 0.30         |       |                    |            |
| Date Sampled                                                            | 10-Nov-25  | 11-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25    |       |                    |            |
| Sample Type                                                             | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES    |       |                    |            |
| Sample Matrix Code                                                      | 4AE        | 4AE        | 4AE        | 4A         | 1A         | 4A         | 4A           |       |                    |            |
| Asbestos in Soil (inc. matrix) ^                                        |            |            |            |            |            |            |              |       |                    |            |
| Asbestos in soil <sub>D</sub> #                                         | NAD        | NAD        | NAD        | NAD        | NAD        | NAD        | Amosite      |       |                    | A-T-045    |
| Asbestos Matrix (visual) <sub>D</sub>                                   | -          | -          | -          | -          | -          | -          | -            |       |                    | A-T-045    |
| Asbestos Matrix (microscope) <sub>D</sub>                               | -          | -          | -          | -          | -          | -          | Loose Fibres |       |                    | A-T-045    |
| Asbestos ACM - Suitable for Water Absorption Test? <sub>D</sub>         | N/A        | N/A        | N/A        | N/A        | N/A        | N/A        | N/A          |       |                    | A-T-045    |
|                                                                         |            |            |            |            |            |            |              |       |                    |            |
| Asbestos in Soil Quantification % (Hand Picking & Weighing)             |            |            |            |            |            |            |              |       |                    |            |
| Asbestos in soil % composition (hand picking and weighing) <sub>D</sub> | -          | -          | -          | -          | -          | -          | <0.001       | % w/w | 0.001              | A-T-054    |

Envirolab Job Number: 25/13127

Client Project Name: LFC Academy

Client Project Ref: 88269

| Lab Sample ID                                    | 25/13127/1 | 25/13127/2 | 25/13127/3 | 25/13127/4 | 25/13127/5 | 25/13127/6 | 25/13127/7 | Units | Limit of Detection | Method ref |
|--------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|------------|
| Client Sample No                                 |            |            |            |            |            |            |            |       |                    |            |
| Client Sample ID                                 | RBH05      | RBH03      | HP02       | HP01       | HP07       | HP08       | HP11       |       |                    |            |
| Depth to Top                                     | 0.40       | 0.60       | 0.50       | 0.70       | 0.40       | 0.50       | 0.20       |       |                    |            |
| Depth To Bottom                                  | 0.50       | 0.70       | 0.60       | 0.80       | 0.50       | 0.60       | 0.30       |       |                    |            |
| Date Sampled                                     | 10-Nov-25  | 11-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  |       |                    |            |
| Sample Type                                      | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  |       |                    |            |
| Sample Matrix Code                               | 4AE        | 4AE        | 4AE        | 4A         | 1A         | 4A         | 4A         |       |                    |            |
| PAH-16MS                                         |            |            |            |            |            |            |            |       |                    |            |
| Acenaphthene <sub>A</sub> <sup>M#</sup>          | 0.01       | <0.01      | 0.01       | 0.24       | <0.01      | <0.01      | 0.60       | mg/kg | 0.01               | A-T-019s   |
| Acenaphthylene <sub>A</sub> <sup>M#</sup>        | <0.01      | <0.01      | <0.01      | 0.06       | <0.01      | <0.01      | 0.03       | mg/kg | 0.01               | A-T-019s   |
| Anthracene <sub>A</sub> <sup>M#</sup>            | 0.05       | <0.02      | <0.02      | 0.37       | <0.02      | <0.02      | 0.74       | mg/kg | 0.02               | A-T-019s   |
| Benzo(a)anthracene <sub>A</sub> <sup>M#</sup>    | 0.28       | 0.08       | 0.08       | 1.41       | <0.04      | <0.04      | 1.87       | mg/kg | 0.04               | A-T-019s   |
| Benzo(a)pyrene <sub>A</sub> <sup>M#</sup>        | 0.32       | 0.09       | 0.10       | 1.32       | <0.04      | 0.06       | 1.90       | mg/kg | 0.04               | A-T-019s   |
| Benzo(b)fluoranthene <sub>A</sub> <sup>M#</sup>  | 0.36       | 0.11       | 0.12       | 1.57       | <0.05      | 0.07       | 2.21       | mg/kg | 0.05               | A-T-019s   |
| Benzo(ghi)perylene <sub>A</sub> <sup>M#</sup>    | 0.18       | 0.06       | 0.06       | 0.64       | <0.05      | <0.05      | 1.02       | mg/kg | 0.05               | A-T-019s   |
| Benzo(k)fluoranthene <sub>A</sub> <sup>M#</sup>  | 0.13       | <0.07      | <0.07      | 0.53       | <0.07      | <0.07      | 0.72       | mg/kg | 0.07               | A-T-019s   |
| Chrysene <sub>A</sub> <sup>M#</sup>              | 0.30       | 0.09       | 0.10       | 1.58       | <0.06      | <0.06      | 2.13       | mg/kg | 0.06               | A-T-019s   |
| Dibenzo(ah)anthracene <sub>A</sub> <sup>M#</sup> | <0.04      | <0.04      | <0.04      | 0.15       | <0.04      | <0.04      | 0.26       | mg/kg | 0.04               | A-T-019s   |
| Fluoranthene <sub>A</sub> <sup>M#</sup>          | 0.57       | 0.15       | 0.16       | 3.45       | <0.08      | <0.08      | 4.60       | mg/kg | 0.08               | A-T-019s   |
| Fluorene <sub>A</sub> <sup>M#</sup>              | <0.01      | <0.01      | <0.01      | 0.20       | <0.01      | <0.01      | 0.39       | mg/kg | 0.01               | A-T-019s   |
| Indeno(123-cd)pyrene <sub>A</sub> <sup>M#</sup>  | 0.20       | 0.06       | 0.05       | 0.69       | <0.03      | <0.03      | 1.03       | mg/kg | 0.03               | A-T-019s   |
| Naphthalene <sub>A</sub> <sup>M#</sup>           | <0.03      | <0.03      | <0.03      | 0.04       | <0.03      | <0.03      | 0.34       | mg/kg | 0.03               | A-T-019s   |
| Phenanthrene <sub>A</sub> <sup>M#</sup>          | 0.17       | 0.05       | 0.09       | 1.47       | <0.03      | <0.03      | 3.47       | mg/kg | 0.03               | A-T-019s   |
| Pyrene <sub>A</sub> <sup>M#</sup>                | 0.51       | 0.14       | 0.16       | 3.47       | <0.07      | <0.07      | 4.20       | mg/kg | 0.07               | A-T-019s   |
| Total PAH-16MS <sub>A</sub> <sup>M#</sup>        | 3.08       | 0.83       | 0.93       | 17.2       | <0.08      | 0.13       | 25.5       | mg/kg | 0.01               | A-T-019s   |

Envirolab Job Number: 25/13127

Client Project Name: LFC Academy

Client Project Ref: 88269

| Lab Sample ID                                  | 25/13127/1 | 25/13127/2 | 25/13127/3 | 25/13127/4 | 25/13127/5 | 25/13127/6 | 25/13127/7 | Units | Limit of Detection | Method ref   |
|------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|-------|--------------------|--------------|
| Client Sample No                               |            |            |            |            |            |            |            |       |                    |              |
| Client Sample ID                               | RBH05      | RBH03      | HP02       | HP01       | HP07       | HP08       | HP11       |       |                    |              |
| Depth to Top                                   | 0.40       | 0.60       | 0.50       | 0.70       | 0.40       | 0.50       | 0.20       |       |                    |              |
| Depth To Bottom                                | 0.50       | 0.70       | 0.60       | 0.80       | 0.50       | 0.60       | 0.30       |       |                    |              |
| Date Sampled                                   | 10-Nov-25  | 11-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  | 12-Nov-25  |       |                    |              |
| Sample Type                                    | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  | SOIL - ES  |       |                    |              |
| Sample Matrix Code                             | 4AE        | 4AE        | 4AE        | 4A         | 1A         | 4A         | 4A         |       |                    |              |
| TPH CWG with Clean Up                          |            |            |            |            |            |            |            |       |                    |              |
| Ali >C5-C6 <sub>A</sub>                        | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-022s     |
| Ali >C6-C8 <sub>A</sub>                        | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-022s     |
| Ali >C8-C10 <sub>A</sub>                       | <2         | <2         | <2         | <2         | <2         | <2         | <2         | mg/kg | 1                  | A-T-055s     |
| Ali >C10-C12 <sub>A</sub> <sup>M#</sup>        | <1         | <1         | <1         | <1         | <1         | <1         | <1         | mg/kg | 1                  | A-T-055s     |
| Ali >C12-C16 <sub>A</sub> <sup>M#</sup>        | <1         | <1         | <1         | <1         | <1         | <1         | 2          | mg/kg | 1                  | A-T-055s     |
| Ali >C16-C21 <sub>A</sub> <sup>M#</sup>        | 1          | <1         | <1         | 2          | <1         | <1         | 2          | mg/kg | 1                  | A-T-055s     |
| Ali >C21-C35 <sub>A</sub> <sup>M#</sup>        | 9          | 7          | 8          | 15         | 1          | 2          | 30         | mg/kg | 1                  | A-T-055s     |
| Total Aliphatics <sub>A</sub>                  | 10         | 7          | 8          | 17         | <2         | 2          | 35         | mg/kg | 1                  | Calc-As Recd |
| Aro >C5-C7 <sub>A</sub> <sup>#</sup>           | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-022s     |
| Aro >C7-C8 <sub>A</sub> <sup>#</sup>           | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-022s     |
| Aro >C8-C10 <sub>A</sub>                       | <9         | <9         | <9         | <9         | <9         | <9         | <9         | mg/kg | 1                  | A-T-055s     |
| Aro >C10-C12 <sub>A</sub>                      | <1         | <1         | <1         | <1         | <1         | <1         | 3          | mg/kg | 1                  | A-T-055s     |
| Aro >C12-C16 <sub>A</sub>                      | 3          | <1         | <1         | 9          | <1         | <1         | 38         | mg/kg | 1                  | A-T-055s     |
| Aro >C16-C21 <sub>A</sub> <sup>M#</sup>        | 23         | 1          | 3          | 37         | <1         | <1         | 69         | mg/kg | 1                  | A-T-055s     |
| Aro >C21-C35 <sub>A</sub> <sup>M#</sup>        | 69         | 3          | 11         | 106        | 2          | <1         | 132        | mg/kg | 1                  | A-T-055s     |
| Total Aromatics <sub>A</sub>                   | 96         | <9         | 14         | 152        | <9         | <9         | 243        | mg/kg | 1                  | Calc-As Recd |
| TPH (Ali & Aro >C5-C35) <sub>A</sub>           | 106        | 11         | 22         | 169        | <9         | <9         | 278        | mg/kg | 1                  | Calc-As Recd |
| BTEX - Benzene <sub>A</sub> <sup>#</sup>       | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-022s     |
| BTEX - Toluene <sub>A</sub> <sup>#</sup>       | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-022s     |
| BTEX - Ethyl Benzene <sub>A</sub> <sup>#</sup> | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-022s     |
| BTEX - m & p Xylene <sub>A</sub> <sup>#</sup>  | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-022s     |
| BTEX - o Xylene <sub>A</sub> <sup>#</sup>      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-022s     |
| MTBE <sub>A</sub> <sup>#</sup>                 | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | <0.01      | mg/kg | 0.01               | A-T-022s     |

## Report Notes

### General

- This report shall not be reproduced, except in full, without written approval from Envirolab.
- The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client and can affect the validity of results.
- 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 **four 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.
- 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.
- If a sample is outside of the calibration range or affected by interferences then it may need diluting. This will result in the limit of detection (LOD) being raised.
- Subcontracted Analysis: Please see the appended report for any deviations, current LODs and accreditation status of the test.

### 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 “D” on Asbestos | Analysis performed on a dried aliquot of sample provided.                                             |
| 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                                                                                  |
| Trace                     | Asbestos found not suitable for Gravimetric Quantification – not enough to accurately weigh.          |
| N/A                       | Not applicable                                                                                        |

### Asbestos

**Identification:** 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

“Trace Asbestos Identified” will be reported if there is not enough present to verify the type.

### 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 calibration range and as such are unaccredited.

Please contact your client manager if you require any further information.

## Envirolab Deviating Samples Report

Hattersley Science & Technology Park, Stockport Road, Hattersley, SK14 3QU  
Tel. 0161 368 4921 email. ask@envlab.co.uk

|                            |                                                                                                        |                                    |                 |
|----------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------|-----------------|
| <b>Client:</b>             | Curtins Consulting (Manchester), Merchant Exchange, 17-19 Whitworth Street ,<br>Manchester, UK, M1 5WG | <b>Project No:</b>                 | 25/13127        |
| <b>Project:</b>            | LFC Academy                                                                                            | <b>Date Received:</b>              | 17/11/2025 (am) |
| <b>Clients Project No:</b> | 88269                                                                                                  | <b>Cool Box Temperatures (°C):</b> | 11.5            |

### NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

## Appendix D – Geotechnical Laboratory Test Results

Curtins  
Merchant Exchange  
17-19 Whitworth Street West  
Manchester

i2 Analytical Ltd.  
7 Woodshots Meadow,  
Croxley Green  
Business Park,  
Watford,  
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WD18 8YS

t:

e: jonathan.provis@curtins.com  
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## **Analytical Report Number : 25-067971**

|                             |                 |                                                        |            |
|-----------------------------|-----------------|--------------------------------------------------------|------------|
| <b>Project / Site name:</b> | LFC Academy     | <b>Samples received on:</b>                            | 21/11/2025 |
| <b>Your job number:</b>     | 88269           | <b>Samples instructed on/<br/>Analysis started on:</b> | 17/12/2025 |
| <b>Your order number:</b>   | 28909           | <b>Analysis completed by:</b>                          | 09/01/2026 |
| <b>Report Issue Number:</b> | 1               | <b>Report issued on:</b>                               | 09/01/2026 |
| <b>Samples Analysed:</b>    | 16 soil samples |                                                        |            |



**Signed:**

Rachel Chappell  
Key Account Manager  
**For & on behalf of i2 Analytical Ltd.**

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

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

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

|           |                                 |
|-----------|---------------------------------|
| soils     | - 4 weeks from reporting        |
| leachates | - 2 weeks from reporting        |
| waters    | - 2 weeks from reporting        |
| asbestos  | - 6 months from reporting       |
| air       | - once the analysis is complete |

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

Retention period for records and reports is minimum 6 years from the date of issue of the final report.  
Some records may be kept for longer according to other legal/best practice requirements.

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

Analytical Report Number: 25-067971

Project / Site name: LFC Academy

Your Order No: 28909

|                                         |               |                            |                              |               |               |
|-----------------------------------------|---------------|----------------------------|------------------------------|---------------|---------------|
| Lab Sample Number                       | 784525        | 784526                     | 784527                       | 784528        | 784529        |
| Sample Reference                        | RBH01         | RBH01                      | RBH02                        | RBH03         | RBH03         |
| Sample Number                           | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Water Matrix                            | N/A           | N/A                        | N/A                          | N/A           | N/A           |
| Depth (m)                               | 1.40-1.50     | 2.30-2.40                  | 1.20-2.00                    | 2.00-2.10     | 3.50-3.60     |
| Date Sampled                            | Deviating     | Deviating                  | Deviating                    | Deviating     | Deviating     |
| Time Taken                              | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units         | Test Limit of<br>detection | Test Accreditation<br>Status |               |               |

|                               |    |      |      |       |       |       |       |       |
|-------------------------------|----|------|------|-------|-------|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 11    | 13    | 15    | 14    | 14    |
| Total mass of sample received | kg | 0.1  | NONE | 1.4   | 1.4   | 1.5   | 1.3   | 0.2   |

#### General Inorganics

|                                                                         |          |      |        |       |       |       |       |       |
|-------------------------------------------------------------------------|----------|------|--------|-------|-------|-------|-------|-------|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 7.2   | 7.3   | 7     | 5.6   | 6.2   |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | 12    | 6.3   | 49    | 32    | 97    |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1) Leachate Equivalent | mg/l     | 1.25 | MCERTS | 5.9   | 3.16  | 24.3  | 16    | 48.3  |
| Water Soluble Chloride (2:1) (leachate equivalent)                      | mg/l     | 0.5  | MCERTS | 5.7   | 6.1   | 17    | 1.5   | 4.2   |
| Water Soluble Nitrate (2:1) as NO <sub>3</sub>                          | mg/kg    | 2    | NONE   | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Water Soluble Nitrate (2:1) as NO <sub>3</sub> (leachate equivalent)    | mg/l     | 5    | NONE   | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

#### Heavy Metals / Metalloids

|                                 |       |     |      |       |       |     |     |     |
|---------------------------------|-------|-----|------|-------|-------|-----|-----|-----|
| Magnesium (leachate equivalent) | mg/l  | 2.5 | NONE | < 2.5 | < 2.5 | 140 | 4.8 | 56  |
| Magnesium (water soluble)       | mg/kg | 5   | NONE | < 5.0 | < 5.0 | 280 | 9.5 | 110 |

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

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|                                         |               |                            |                              |               |               |
|-----------------------------------------|---------------|----------------------------|------------------------------|---------------|---------------|
| Lab Sample Number                       | 784530        | 784531                     | 784532                       | 784533        | 784534        |
| Sample Reference                        | RBH03         | RBH04                      | RBH04                        | RBH05         | RBH05         |
| Sample Number                           | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Water Matrix                            | N/A           | N/A                        | N/A                          | N/A           | N/A           |
| Depth (m)                               | 4.20-4.30     | 1.70                       | 4.10                         | 0.80-1.20     | 3.50-3.90     |
| Date Sampled                            | Deviating     | Deviating                  | Deviating                    | Deviating     | Deviating     |
| Time Taken                              | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units         | Test Limit of<br>detection | Test Accreditation<br>Status |               |               |

|                               |    |      |      |       |       |       |       |       |
|-------------------------------|----|------|------|-------|-------|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 15    | 11    | 15    | 17    | 11    |
| Total mass of sample received | kg | 0.1  | NONE | 1.8   | 1.2   | 0.6   | 0.3   | 0.3   |

#### General Inorganics

|                                                                         |          |      |        |       |       |       |       |      |
|-------------------------------------------------------------------------|----------|------|--------|-------|-------|-------|-------|------|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 6.5   | 8.4   | 4.5   | 7.2   | 6.2  |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | 66    | 21    | 58    | 10    | 27   |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1) Leachate Equivalent | mg/l     | 1.25 | MCERTS | 33.2  | 10.5  | 28.8  | 5.08  | 13.3 |
| Water Soluble Chloride (2:1) (leachate equivalent)                      | mg/l     | 0.5  | MCERTS | 2.7   | 2     | 3     | 7.2   | 3.3  |
| Water Soluble Nitrate (2:1) as NO <sub>3</sub>                          | mg/kg    | 2    | NONE   | < 2.0 | 4.9   | < 2.0 | < 2.0 | 15   |
| Water Soluble Nitrate (2:1) as NO <sub>3</sub> (leachate equivalent)    | mg/l     | 5    | NONE   | < 5.0 | < 5.0 | < 5.0 | < 5.0 | 7.5  |

#### Heavy Metals / Metalloids

|                                 |       |     |      |    |       |       |       |     |
|---------------------------------|-------|-----|------|----|-------|-------|-------|-----|
| Magnesium (leachate equivalent) | mg/l  | 2.5 | NONE | 28 | < 2.5 | < 2.5 | < 2.5 | 7.8 |
| Magnesium (water soluble)       | mg/kg | 5   | NONE | 56 | < 5.0 | < 5.0 | < 5.0 | 16  |

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

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Project / Site name: LFC Academy

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|                                         |               |                            |                              |               |               |
|-----------------------------------------|---------------|----------------------------|------------------------------|---------------|---------------|
| Lab Sample Number                       | 784535        | 784536                     | 784537                       | 784538        | 784539        |
| Sample Reference                        | RBH06         | RBH06                      | RBH06                        | WS01          | WS01          |
| Sample Number                           | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Water Matrix                            | N/A           | N/A                        | N/A                          | N/A           | N/A           |
| Depth (m)                               | 4.00-4.70     | 4.80-4.90                  | 5.10-5.20                    | 3.00-3.20     | 4.00          |
| Date Sampled                            | Deviating     | Deviating                  | Deviating                    | Deviating     | Deviating     |
| Time Taken                              | None Supplied | None Supplied              | None Supplied                | None Supplied | None Supplied |
| Analytical Parameter<br>(Soil Analysis) | Units         | Test Limit of<br>detection | Test Accreditation<br>Status |               |               |

|                               |    |      |      |       |       |       |       |       |
|-------------------------------|----|------|------|-------|-------|-------|-------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 14    | 11    | 14    | 41    | 10    |
| Total mass of sample received | kg | 0.1  | NONE | 0.2   | 1.2   | 1.5   | 0.2   | 0.6   |

#### General Inorganics

|                                                                         |          |      |        |     |       |       |       |       |
|-------------------------------------------------------------------------|----------|------|--------|-----|-------|-------|-------|-------|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 6.1 | 7     | 7.1   | 4.6   | 6.8   |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | 100 | 34    | 59    | 730   | 37    |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1) Leachate Equivalent | mg/l     | 1.25 | MCERTS | 51  | 17.1  | 29.5  | 364   | 18.3  |
| Water Soluble Chloride (2:1) (leachate equivalent)                      | mg/l     | 0.5  | MCERTS | 3   | 2.2   | 2.6   | 17    | 5     |
| Water Soluble Nitrate (2:1) as NO <sub>3</sub>                          | mg/kg    | 2    | NONE   | 11  | 6.9   | 6     | 7     | 2.4   |
| Water Soluble Nitrate (2:1) as NO <sub>3</sub> (leachate equivalent)    | mg/l     | 5    | NONE   | 5.6 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |

#### Heavy Metals / Metalloids

|                                 |       |     |      |     |     |     |    |     |
|---------------------------------|-------|-----|------|-----|-----|-----|----|-----|
| Magnesium (leachate equivalent) | mg/l  | 2.5 | NONE | 7.2 | 4.2 | 5.3 | 30 | 4.1 |
| Magnesium (water soluble)       | mg/kg | 5   | NONE | 15  | 8.3 | 11  | 61 | 8.3 |

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

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|                                         |               |                            |                              |  |
|-----------------------------------------|---------------|----------------------------|------------------------------|--|
| Lab Sample Number                       | 784540        |                            |                              |  |
| Sample Reference                        | WS02          |                            |                              |  |
| Sample Number                           | None Supplied |                            |                              |  |
| Water Matrix                            | N/A           |                            |                              |  |
| Depth (m)                               | 2.90-3.00     |                            |                              |  |
| Date Sampled                            | Deviating     |                            |                              |  |
| Time Taken                              | None Supplied |                            |                              |  |
| Analytical Parameter<br>(Soil Analysis) | Units         | Test Limit of<br>detection | Test Accreditation<br>Status |  |

|                               |    |      |      |       |
|-------------------------------|----|------|------|-------|
| Stone Content                 | %  | 0.1  | NONE | < 0.1 |
| Moisture Content              | %  | 0.01 | NONE | 18    |
| Total mass of sample received | kg | 0.1  | NONE | 0.9   |

#### General Inorganics

|                                                                         |          |      |        |       |
|-------------------------------------------------------------------------|----------|------|--------|-------|
| pH (L099)                                                               | pH Units | N/A  | MCERTS | 6.6   |
| Water Soluble Sulphate as SO <sub>4</sub> 16hr extraction (2:1)         | mg/kg    | 2.5  | MCERTS | 22    |
| Water Soluble SO <sub>4</sub> 16hr extraction (2:1 Leachate Equivalent) | mg/l     | 1.25 | MCERTS | 10.9  |
| Water Soluble Chloride (2:1) (leachate equivalent)                      | mg/l     | 0.5  | MCERTS | 13    |
| Water Soluble Nitrate (2:1) as NO <sub>3</sub>                          | mg/kg    | 2    | NONE   | < 2.0 |
| Water Soluble Nitrate (2:1) as NO <sub>3</sub> (leachate equivalent)    | mg/l     | 5    | NONE   | < 5.0 |

#### Heavy Metals / Metalloids

|                                 |       |     |      |       |
|---------------------------------|-------|-----|------|-------|
| Magnesium (leachate equivalent) | mg/l  | 2.5 | NONE | < 2.5 |
| Magnesium (water soluble)       | mg/kg | 5   | NONE | < 5.0 |

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

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

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

| Lab Sample Number | Sample Reference | Sample Number | Depth (m) | Sample Description *                           |
|-------------------|------------------|---------------|-----------|------------------------------------------------|
| 784525            | RBH01            | None Supplied | 1.40-1.50 | Brown sand with gravel                         |
| 784526            | RBH01            | None Supplied | 2.30-2.40 | Brown sand with gravel                         |
| 784527            | RBH02            | None Supplied | 1.20-2.00 | Brown clay                                     |
| 784528            | RBH03            | None Supplied | 2.00-2.10 | Brown clay and sand                            |
| 784529            | RBH03            | None Supplied | 3.50-3.60 | Brown sandy clay                               |
| 784530            | RBH03            | None Supplied | 4.20-4.30 | Brown clay and sand with gravel                |
| 784531            | RBH04            | None Supplied | 1.7       | Brown loam and sand with gravel and vegetation |
| 784532            | RBH04            | None Supplied | 4.1       | Brown clay and sand                            |
| 784533            | RBH05            | None Supplied | 0.80-1.20 | Brown sand                                     |
| 784534            | RBH05            | None Supplied | 3.50-3.90 | Brown sandy clay with gravel                   |
| 784535            | RBH06            | None Supplied | 4.00-4.70 | Brown clay and sand with gravel                |
| 784536            | RBH06            | None Supplied | 4.80-4.90 | Brown clay and sand                            |
| 784537            | RBH06            | None Supplied | 5.10-5.20 | Brown clay and sand with gravel                |
| 784538            | WS01             | None Supplied | 3.00-3.20 | Brown sandy loam with gravel                   |
| 784539            | WS01             | None Supplied | 4         | Brown sand                                     |
| 784540            | WS02             | None Supplied | 2.90-3.00 | Brown sand                                     |

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**Water matrix abbreviations:**

**Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters Heating/Cooling (PrW) DI Process Water (DI PrW)**

**Final Sewage Effluent (FSE) Landfill Leachate (LL)**

| Analytical Test Name                               | Analytical Method Description                                                                                              | Analytical Method Reference                                                                                            | Method number | Wet / Dry Analysis | Accreditation Status |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------|--------------------|----------------------|
| Moisture Content (Wet Weight)                      | Moisture content (% wet weight), determined gravimetrically (up to 30°C)                                                   | In-house-procedure based on BS EN 12880:2000                                                                           | L019B         | W                  | NONE                 |
| Stones content of soil                             | Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight | In-house method based on British Standard Methods and MCERTS requirements.                                             | L019B         | D                  | NONE                 |
| Magnesium, water soluble, in soil                  | Determination of water soluble magnesium by extraction with water followed by ICP-OES                                      | In-house method based on TRL 447                                                                                       | L038B         | D                  | NONE                 |
| Sulphate, water soluble, in soil (16hr extraction) | Sulphate, water soluble, in soil (16hr extraction)                                                                         | In-house method                                                                                                        | L038B         | D                  | MCERTS               |
| Water Soluble Nitrate (leachate equivalent)        | Determination of nitrate by reaction with sodium salicylate and colorimetry                                                | In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction | L078-PL       | W                  | NONE                 |
| Nitrate, water soluble, in soil                    | Determination of nitrate by reaction with sodium salicylate and colorimetry                                                | In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction | L078-PL       | W                  | NONE                 |
| Chloride, water soluble, in soil                   | Determination of Chloride colorimetrically by discrete analyser                                                            | In-house method                                                                                                        | L082B         | D                  | MCERTS               |
| pH in soil (automated)                             | Determination of pH in soil by addition of water followed by automated electrometric measurement                           | In-house method                                                                                                        | L099-PL       | D                  | MCERTS               |
| Soil Descriptions                                  | Textural classification                                                                                                    | In-house method                                                                                                        | L019B         | W                  | NONE                 |

**For method numbers ending in 'UK' or 'A' analysis have been carried out in our laboratory in the United Kingdom (Watford).**

**For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).**

**For method numbers ending in 'PL' or 'B' analysis have been carried out in our laboratory in Poland.**

**Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30°C.**

**Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.**

Quality control parameter failure associated with individual result applies to calculated sum of individuals.

The result for sum should be interpreted with caution

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This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

| Sample ID | Other ID | Sample Type | Lab Sample Number | Sample Deviation | Test Name                                          | Test Ref | Test Deviation |
|-----------|----------|-------------|-------------------|------------------|----------------------------------------------------|----------|----------------|
| RBH01     | N/A      | S           | 784525            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH01     | N/A      | S           | 784525            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH01     | N/A      | S           | 784525            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH01     | N/A      | S           | 784525            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH01     | N/A      | S           | 784525            | a                | Sample Preparation                                 | L019B    | a              |
| RBH01     | N/A      | S           | 784525            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH01     | N/A      | S           | 784525            | a                | Stones content of soil                             | L019B    | a              |
| RBH01     | N/A      | S           | 784525            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH01     | N/A      | S           | 784525            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH01     | N/A      | S           | 784525            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH01     | N/A      | S           | 784526            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH01     | N/A      | S           | 784526            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH01     | N/A      | S           | 784526            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH01     | N/A      | S           | 784526            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH01     | N/A      | S           | 784526            | a                | Sample Preparation                                 | L019B    | a              |
| RBH01     | N/A      | S           | 784526            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH01     | N/A      | S           | 784526            | a                | Stones content of soil                             | L019B    | a              |
| RBH01     | N/A      | S           | 784526            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH01     | N/A      | S           | 784526            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH01     | N/A      | S           | 784526            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH02     | N/A      | S           | 784527            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH02     | N/A      | S           | 784527            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH02     | N/A      | S           | 784527            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH02     | N/A      | S           | 784527            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH02     | N/A      | S           | 784527            | a                | Sample Preparation                                 | L019B    | a              |
| RBH02     | N/A      | S           | 784527            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH02     | N/A      | S           | 784527            | a                | Stones content of soil                             | L019B    | a              |
| RBH02     | N/A      | S           | 784527            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH02     | N/A      | S           | 784527            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH02     | N/A      | S           | 784527            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH03     | N/A      | S           | 784528            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH03     | N/A      | S           | 784528            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH03     | N/A      | S           | 784528            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH03     | N/A      | S           | 784528            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH03     | N/A      | S           | 784528            | a                | Sample Preparation                                 | L019B    | a              |
| RBH03     | N/A      | S           | 784528            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH03     | N/A      | S           | 784528            | a                | Stones content of soil                             | L019B    | a              |
| RBH03     | N/A      | S           | 784528            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH03     | N/A      | S           | 784528            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH03     | N/A      | S           | 784528            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH03     | N/A      | S           | 784529            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH03     | N/A      | S           | 784529            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH03     | N/A      | S           | 784529            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH03     | N/A      | S           | 784529            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH03     | N/A      | S           | 784529            | a                | Sample Preparation                                 | L019B    | a              |
| RBH03     | N/A      | S           | 784529            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH03     | N/A      | S           | 784529            | a                | Stones content of soil                             | L019B    | a              |
| RBH03     | N/A      | S           | 784529            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH03     | N/A      | S           | 784529            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH03     | N/A      | S           | 784529            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH03     | N/A      | S           | 784530            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH03     | N/A      | S           | 784530            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH03     | N/A      | S           | 784530            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH03     | N/A      | S           | 784530            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH03     | N/A      | S           | 784530            | a                | Sample Preparation                                 | L019B    | a              |
| RBH03     | N/A      | S           | 784530            | a                | Soil Descriptions                                  | L019B    | a              |

Analytical Report Number : 25-067971

Project / Site name: LFC Academy

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

| Sample ID | Other ID | Sample Type | Lab Sample Number | Sample Deviation | Test Name                                          | Test Ref | Test Deviation |
|-----------|----------|-------------|-------------------|------------------|----------------------------------------------------|----------|----------------|
| RBH03     | N/A      | S           | 784530            | a                | Stones content of soil                             | L019B    | a              |
| RBH03     | N/A      | S           | 784530            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH03     | N/A      | S           | 784530            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH03     | N/A      | S           | 784530            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH04     | N/A      | S           | 784531            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH04     | N/A      | S           | 784531            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH04     | N/A      | S           | 784531            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH04     | N/A      | S           | 784531            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH04     | N/A      | S           | 784531            | a                | Sample Preparation                                 | L019B    | a              |
| RBH04     | N/A      | S           | 784531            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH04     | N/A      | S           | 784531            | a                | Stones content of soil                             | L019B    | a              |
| RBH04     | N/A      | S           | 784531            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH04     | N/A      | S           | 784531            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH04     | N/A      | S           | 784531            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH04     | N/A      | S           | 784532            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH04     | N/A      | S           | 784532            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH04     | N/A      | S           | 784532            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH04     | N/A      | S           | 784532            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH04     | N/A      | S           | 784532            | a                | Sample Preparation                                 | L019B    | a              |
| RBH04     | N/A      | S           | 784532            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH04     | N/A      | S           | 784532            | a                | Stones content of soil                             | L019B    | a              |
| RBH04     | N/A      | S           | 784532            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH04     | N/A      | S           | 784532            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH04     | N/A      | S           | 784532            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH05     | N/A      | S           | 784533            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH05     | N/A      | S           | 784533            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH05     | N/A      | S           | 784533            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH05     | N/A      | S           | 784533            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH05     | N/A      | S           | 784533            | a                | Sample Preparation                                 | L019B    | a              |
| RBH05     | N/A      | S           | 784533            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH05     | N/A      | S           | 784533            | a                | Stones content of soil                             | L019B    | a              |
| RBH05     | N/A      | S           | 784533            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH05     | N/A      | S           | 784533            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH05     | N/A      | S           | 784533            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH05     | N/A      | S           | 784534            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH05     | N/A      | S           | 784534            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH05     | N/A      | S           | 784534            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH05     | N/A      | S           | 784534            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH05     | N/A      | S           | 784534            | a                | Sample Preparation                                 | L019B    | a              |
| RBH05     | N/A      | S           | 784534            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH05     | N/A      | S           | 784534            | a                | Stones content of soil                             | L019B    | a              |
| RBH05     | N/A      | S           | 784534            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH05     | N/A      | S           | 784534            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH05     | N/A      | S           | 784534            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH06     | N/A      | S           | 784535            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH06     | N/A      | S           | 784535            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH06     | N/A      | S           | 784535            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH06     | N/A      | S           | 784535            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH06     | N/A      | S           | 784535            | a                | Sample Preparation                                 | L019B    | a              |
| RBH06     | N/A      | S           | 784535            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH06     | N/A      | S           | 784535            | a                | Stones content of soil                             | L019B    | a              |
| RBH06     | N/A      | S           | 784535            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH06     | N/A      | S           | 784535            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH06     | N/A      | S           | 784535            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH06     | N/A      | S           | 784536            | a                | Chloride, water soluble, in soil                   | L082B    | a              |

Analytical Report Number : 25-067971

Project / Site name: LFC Academy

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container/Insufficient material provided c - Holding time d - Headspace e - Temperature

| Sample ID | Other ID | Sample Type | Lab Sample Number | Sample Deviation | Test Name                                          | Test Ref | Test Deviation |
|-----------|----------|-------------|-------------------|------------------|----------------------------------------------------|----------|----------------|
| RBH06     | N/A      | S           | 784536            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH06     | N/A      | S           | 784536            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH06     | N/A      | S           | 784536            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH06     | N/A      | S           | 784536            | a                | Sample Preparation                                 | L019B    | a              |
| RBH06     | N/A      | S           | 784536            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH06     | N/A      | S           | 784536            | a                | Stones content of soil                             | L019B    | a              |
| RBH06     | N/A      | S           | 784536            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH06     | N/A      | S           | 784536            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH06     | N/A      | S           | 784536            | a                | pH in soil (automated)                             | L099-PL  | a              |
| RBH06     | N/A      | S           | 784537            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| RBH06     | N/A      | S           | 784537            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| RBH06     | N/A      | S           | 784537            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| RBH06     | N/A      | S           | 784537            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| RBH06     | N/A      | S           | 784537            | a                | Sample Preparation                                 | L019B    | a              |
| RBH06     | N/A      | S           | 784537            | a                | Soil Descriptions                                  | L019B    | a              |
| RBH06     | N/A      | S           | 784537            | a                | Stones content of soil                             | L019B    | a              |
| RBH06     | N/A      | S           | 784537            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| RBH06     | N/A      | S           | 784537            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| RBH06     | N/A      | S           | 784537            | a                | pH in soil (automated)                             | L099-PL  | a              |
| WS01      | N/A      | S           | 784538            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| WS01      | N/A      | S           | 784538            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| WS01      | N/A      | S           | 784538            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| WS01      | N/A      | S           | 784538            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| WS01      | N/A      | S           | 784538            | a                | Sample Preparation                                 | L019B    | a              |
| WS01      | N/A      | S           | 784538            | a                | Soil Descriptions                                  | L019B    | a              |
| WS01      | N/A      | S           | 784538            | a                | Stones content of soil                             | L019B    | a              |
| WS01      | N/A      | S           | 784538            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| WS01      | N/A      | S           | 784538            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| WS01      | N/A      | S           | 784538            | a                | pH in soil (automated)                             | L099-PL  | a              |
| WS01      | N/A      | S           | 784539            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| WS01      | N/A      | S           | 784539            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| WS01      | N/A      | S           | 784539            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| WS01      | N/A      | S           | 784539            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| WS01      | N/A      | S           | 784539            | a                | Sample Preparation                                 | L019B    | a              |
| WS01      | N/A      | S           | 784539            | a                | Soil Descriptions                                  | L019B    | a              |
| WS01      | N/A      | S           | 784539            | a                | Stones content of soil                             | L019B    | a              |
| WS01      | N/A      | S           | 784539            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| WS01      | N/A      | S           | 784539            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| WS01      | N/A      | S           | 784539            | a                | pH in soil (automated)                             | L099-PL  | a              |
| WS02      | N/A      | S           | 784540            | a                | Chloride, water soluble, in soil                   | L082B    | a              |
| WS02      | N/A      | S           | 784540            | a                | Magnesium, water soluble, in soil                  | L038B    | a              |
| WS02      | N/A      | S           | 784540            | a                | Moisture Content (Wet Weight)                      | L019B    | a              |
| WS02      | N/A      | S           | 784540            | a                | Nitrate, water soluble, in soil                    | L078-PL  | a              |
| WS02      | N/A      | S           | 784540            | a                | Sample Preparation                                 | L019B    | a              |
| WS02      | N/A      | S           | 784540            | a                | Soil Descriptions                                  | L019B    | a              |
| WS02      | N/A      | S           | 784540            | a                | Stones content of soil                             | L019B    | a              |
| WS02      | N/A      | S           | 784540            | a                | Sulphate, water soluble, in soil (16hr extraction) | L038B    | a              |
| WS02      | N/A      | S           | 784540            | a                | Water Soluble Nitrate (leachate equivalent)        | L078-PL  | a              |
| WS02      | N/A      | S           | 784540            | a                | pH in soil (automated)                             | L099-PL  | a              |



## TEST CERTIFICATE

### DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,  
cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6



4041

Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 23/12/2025  
Sampled By: Client - JP

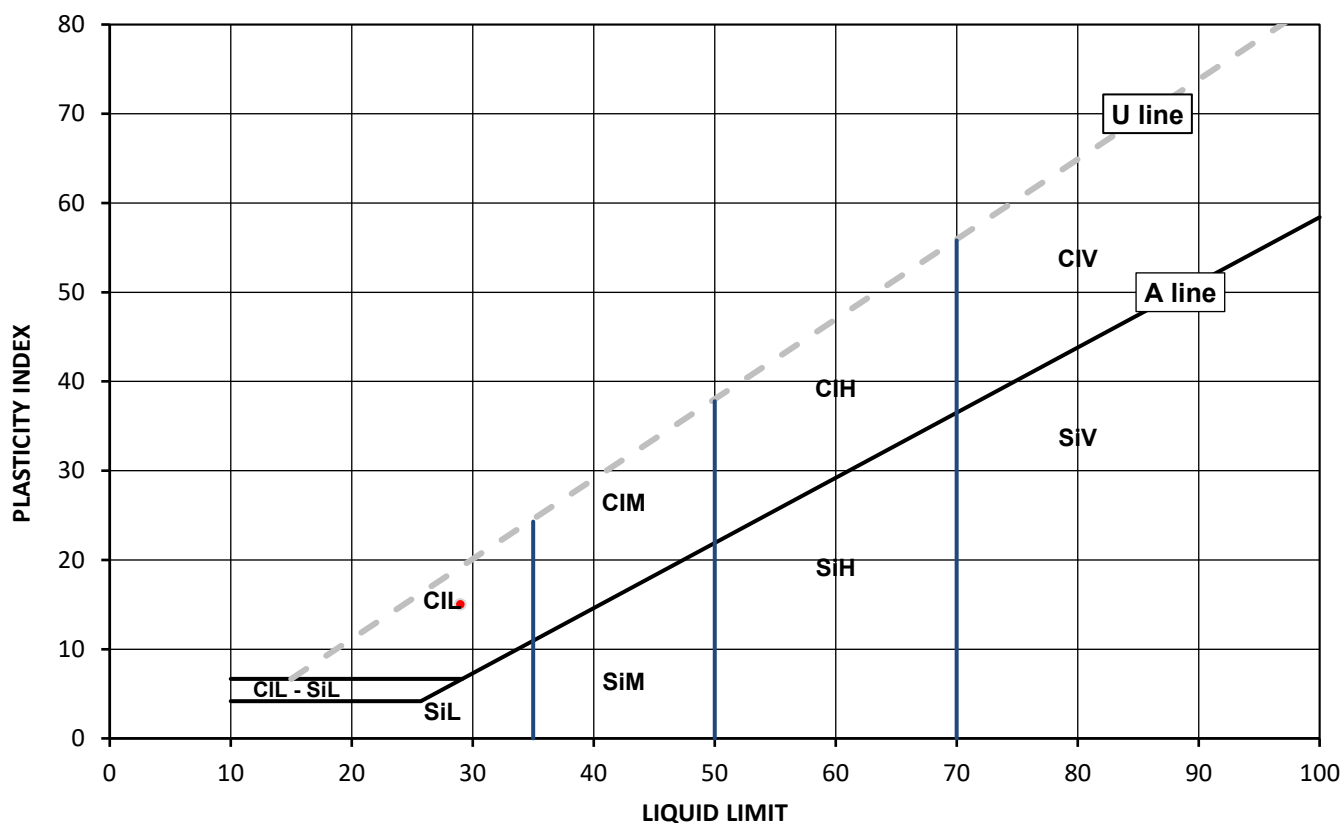
#### Test Results:

Laboratory Reference: 784442  
Hole No.: RBH01  
Sample Reference: Not Given  
Sample Description: Grey slightly gravelly very sandy CLAY

Depth Top [m]: 1.90  
Depth Base [m]: 2.00  
Sample Type: D

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased  
Cone Type: 80g/30deg

| As Received Water Content [W] % | Liquid Limit [WL] % | Plastic Limit [Wp] % | Plasticity Index [Ip] % | Liquidity Index [IL] % # | Consistency Index [IC] % # | % Passing 425µm BS Test Sieve |
|---------------------------------|---------------------|----------------------|-------------------------|--------------------------|----------------------------|-------------------------------|
| 17.1                            | 29                  | 14                   | 15                      | 0.20                     | 0.80                       | 92                            |



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 ClHO) |

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

Katarzyna Koziel

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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# TEST CERTIFICATE

**DETERMINATION OF LIQUID AND PLASTIC LIMITS**  
 Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,  
 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

4041

Client: Curtins  
 Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
 Manchester  
 Contact: Jonathan Provis  
 Site Address: LFC Academy  
 Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
 Job Number: 25-067968-2  
 Date Sampled: Not Given  
 Date Received: 21/11/2025  
 Date Tested: 23/12/2025  
 Sampled By: Client - JP

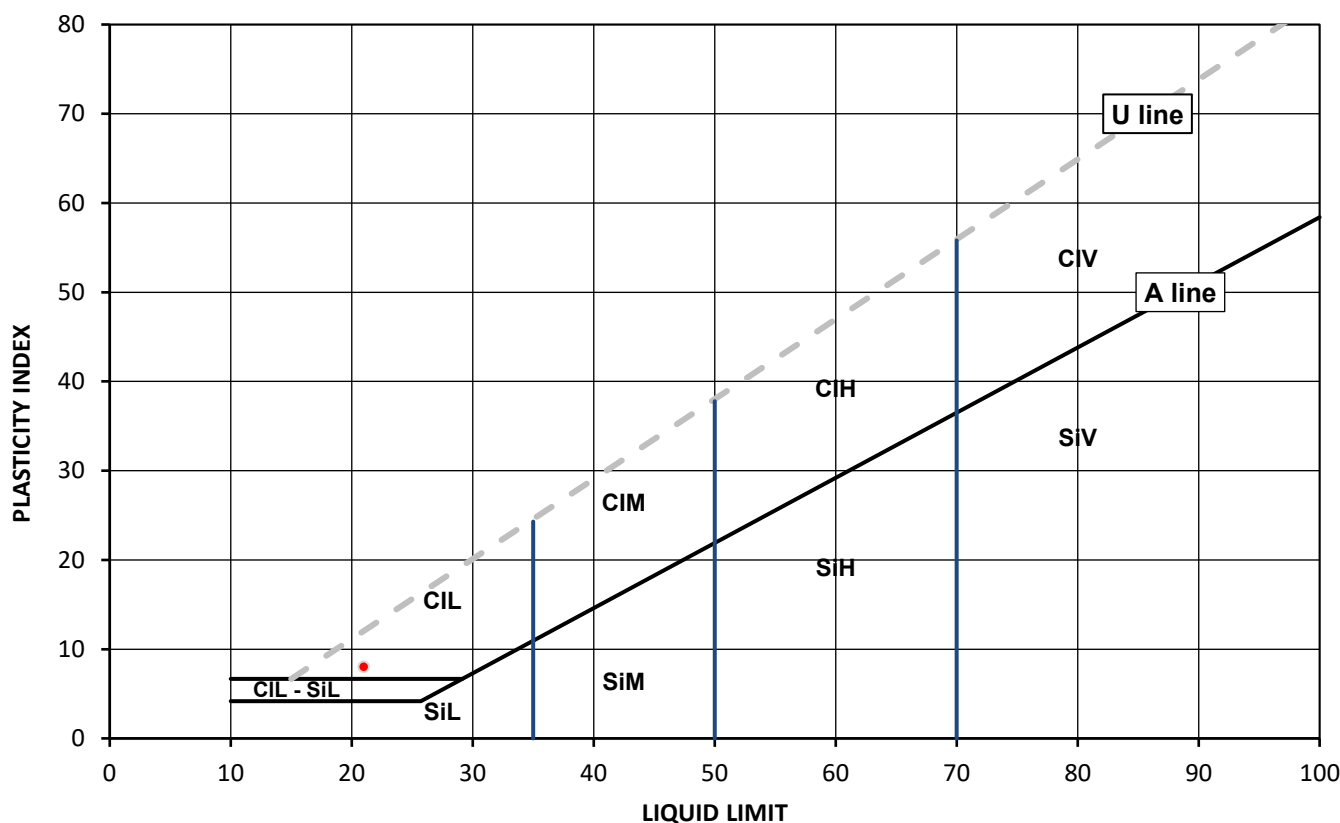
## Test Results:

Laboratory Reference: 784457  
 Hole No.: RBH02  
 Sample Reference: Not Given  
 Sample Description: Brown slightly gravelly clayey SAND

Depth Top [m]: 2.60  
 Depth Base [m]: 2.70  
 Sample Type: D

Sample Preparation: Tested after washing to remove >0.425mm; The water content in the sample was increased  
 Cone Type: 80g/30deg

| As Received Water Content [W] % | Liquid Limit [WL] % | Plastic Limit [Wp] % | Plasticity Index [Ip] % | Liquidity Index [IL] % # | Consistency Index [IC] % # | % Passing 425µm BS Test Sieve |
|---------------------------------|---------------------|----------------------|-------------------------|--------------------------|----------------------------|-------------------------------|
| 13.1                            | 21                  | 13                   | 8                       | 0.00                     | 1.00                       | 93                            |



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

|         | Plasticity  | Liquid Limit                                            |
|---------|-------------|---------------------------------------------------------|
| Cl Clay | L Low       | 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 ClHO) |

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

Katarzyna Koziel  
 Geotechnical Reporting Team Leader  
 for and on behalf of i2 Analytical Ltd

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**DETERMINATION OF LIQUID AND PLASTIC LIMITS**  
Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,  
cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6



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Sampled By: Client - JP

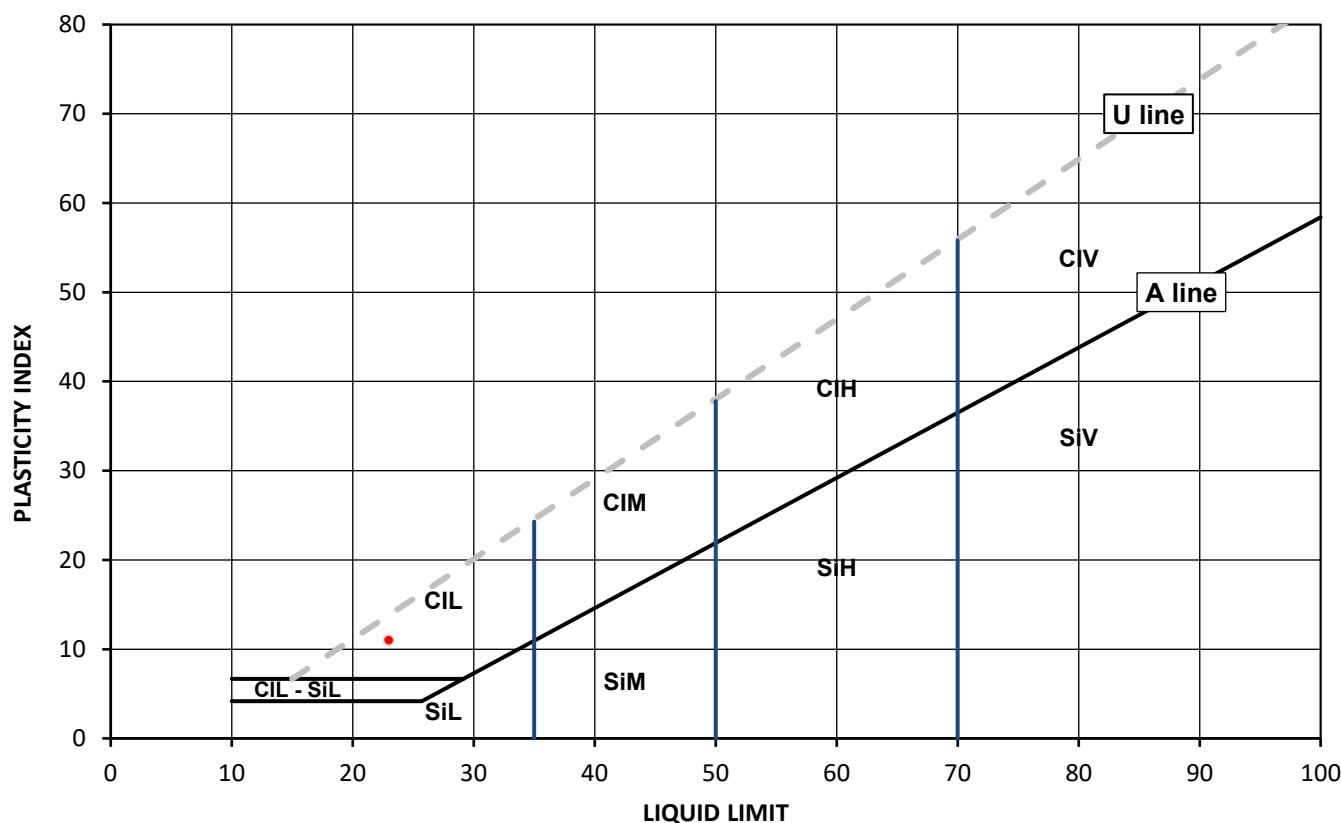
### Test Results:

Laboratory Reference: 784472  
Hole No.: RBH03  
Sample Reference: Not Given  
Sample Description: Brownish grey slightly gravelly very sandy CLAY

Depth Top [m]: 3.00  
Depth Base [m]: 3.10  
Sample Type: D

Sample Preparation: Tested after washing to remove >0.425mm; The water content in the sample was increased  
Cone Type: 80g/30deg

| As Received Water Content [W] % | Liquid Limit [WL] % | Plastic Limit [Wp] % | Plasticity Index [Ip] % | Liquidity Index [IL] % # | Consistency Index [IC] % # | % Passing 425µm BS Test Sieve |
|---------------------------------|---------------------|----------------------|-------------------------|--------------------------|----------------------------|-------------------------------|
| 16.5                            | 23                  | 12                   | 11                      | 0.45                     | 0.55                       | 90                            |



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

|    | Plasticity | Liquid Limit                                            |
|----|------------|---------------------------------------------------------|
| Cl | Clay       | L Low 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 ClHO) |

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

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Katarzyna Koziel

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

# TEST CERTIFICATE

**DETERMINATION OF LIQUID AND PLASTIC LIMITS**  
 Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,  
 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

4041

Client: Curtins  
 Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
 Manchester  
 Contact: Jonathan Provis  
 Site Address: LFC Academy  
 Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
 Job Number: 25-067968-2  
 Date Sampled: Not Given  
 Date Received: 21/11/2025  
 Date Tested: 23/12/2025  
 Sampled By: Client - JP

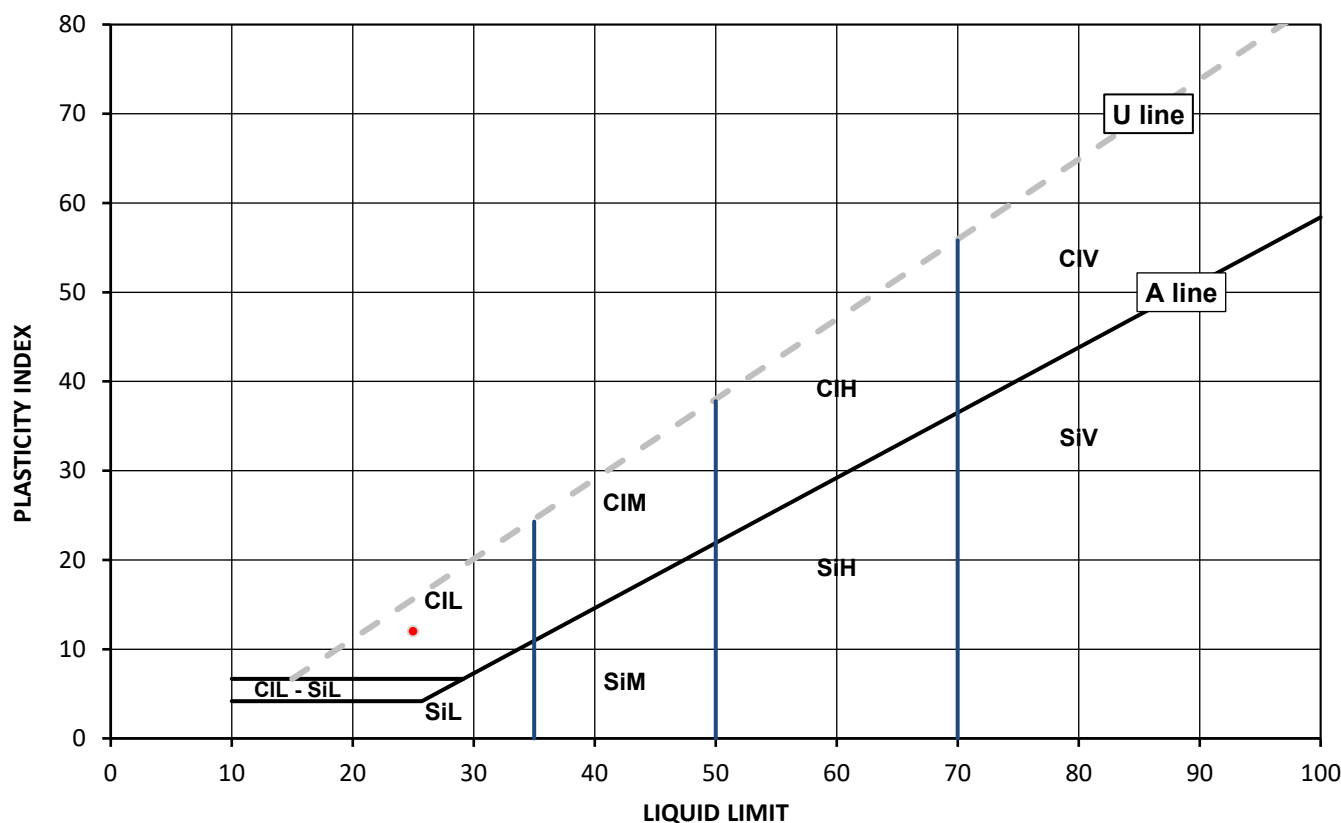
## Test Results:

Laboratory Reference: 784473  
 Hole No.: RBH03  
 Sample Reference: Not Given  
 Sample Description: Brown slightly gravelly very sandy CLAY

Depth Top [m]: 3.50  
 Depth Base [m]: 3.60  
 Sample Type: D

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased  
 Cone Type: 80g/30deg

| As Received Water Content [W] % | Liquid Limit [WL] % | Plastic Limit [Wp] % | Plasticity Index [Ip] % | Liquidity Index [IL] % # | Consistency Index [IC] % # | % Passing 425µm BS Test Sieve |
|---------------------------------|---------------------|----------------------|-------------------------|--------------------------|----------------------------|-------------------------------|
| 16.9                            | 25                  | 13                   | 12                      | 0.33                     | 0.67                       | 95                            |



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 ClHO) |

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

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# TEST CERTIFICATE

**DETERMINATION OF LIQUID AND PLASTIC LIMITS**  
 Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,  
 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

4041

Client: Curtins  
 Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
 Manchester  
 Contact: Jonathan Provis  
 Site Address: LFC Academy  
 Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
 Job Number: 25-067968-2  
 Date Sampled: Not Given  
 Date Received: 21/11/2025  
 Date Tested: 23/12/2025  
 Sampled By: Client - JP

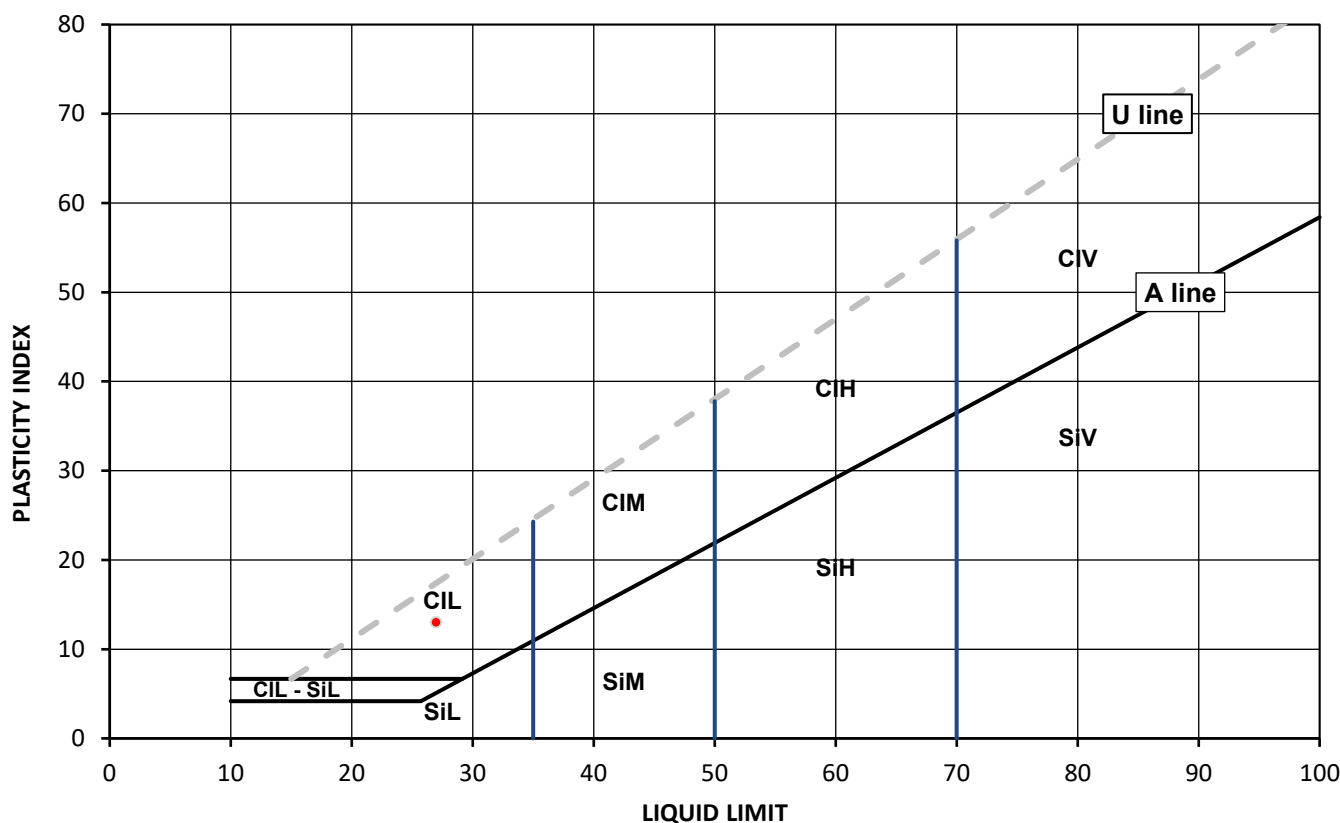
## Test Results:

Laboratory Reference: 784487  
 Hole No.: RBH04  
 Sample Reference: Not Given  
 Sample Description: Brown slightly gravelly very sandy CLAY

Depth Top [m]: 2.15  
 Depth Base [m]: Not Given  
 Sample Type: D

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased  
 Cone Type: 80g/30deg

| As Received Water Content [W] % | Liquid Limit [WL] % | Plastic Limit [Wp] % | Plasticity Index [Ip] % | Liquidity Index [IL] % # | Consistency Index [IC] % # | % Passing 425µm BS Test Sieve |
|---------------------------------|---------------------|----------------------|-------------------------|--------------------------|----------------------------|-------------------------------|
| 18.8                            | 27                  | 14                   | 13                      | 0.38                     | 0.62                       | 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      | append to classification for organic material (eg ClHO) |
|    | V Very high |                                                         |
|    | O Organic   |                                                         |

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

Katarzyna Koziel  
 Geotechnical Reporting Team Leader  
 for and on behalf of i2 Analytical Ltd

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# TEST CERTIFICATE

**DETERMINATION OF LIQUID AND PLASTIC LIMITS**  
Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,  
cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6



4041

Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 23/12/2025  
Sampled By: Client - JP

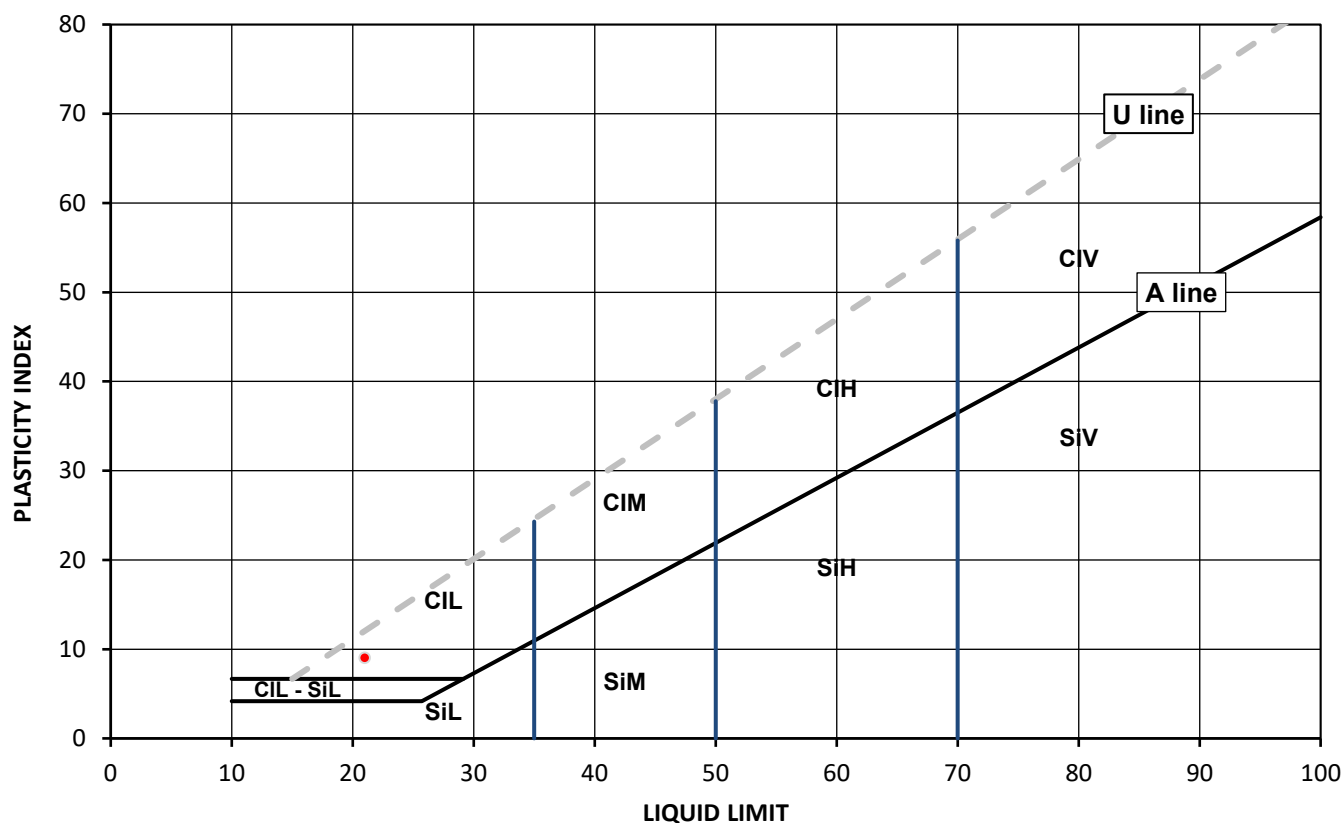
## Test Results:

Laboratory Reference: 784489  
Hole No.: RBH05  
Sample Reference: Not Given  
Sample Description: Brown slightly gravelly clayey SAND

Depth Top [m]: 2.20  
Depth Base [m]: 2.30  
Sample Type: D

Sample Preparation: Tested after washing to remove >0.425mm; The water content in the sample was increased  
Cone Type: 80g/30deg

| As Received Water Content [W] % | Liquid Limit [WL] % | Plastic Limit [Wp] % | Plasticity Index [Ip] % | Liquidity Index [IL] % # | Consistency Index [IC] % # | % Passing 425µm BS Test Sieve |
|---------------------------------|---------------------|----------------------|-------------------------|--------------------------|----------------------------|-------------------------------|
| 12.3                            | 21                  | 12                   | 9                       | 0.00                     | 1.00                       | 91                            |



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

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

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

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Geotechnical Reporting Team Leader  
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## TEST CERTIFICATE

### DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,  
cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6



4041

Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 07/01/2026  
Sampled By: Client - JP

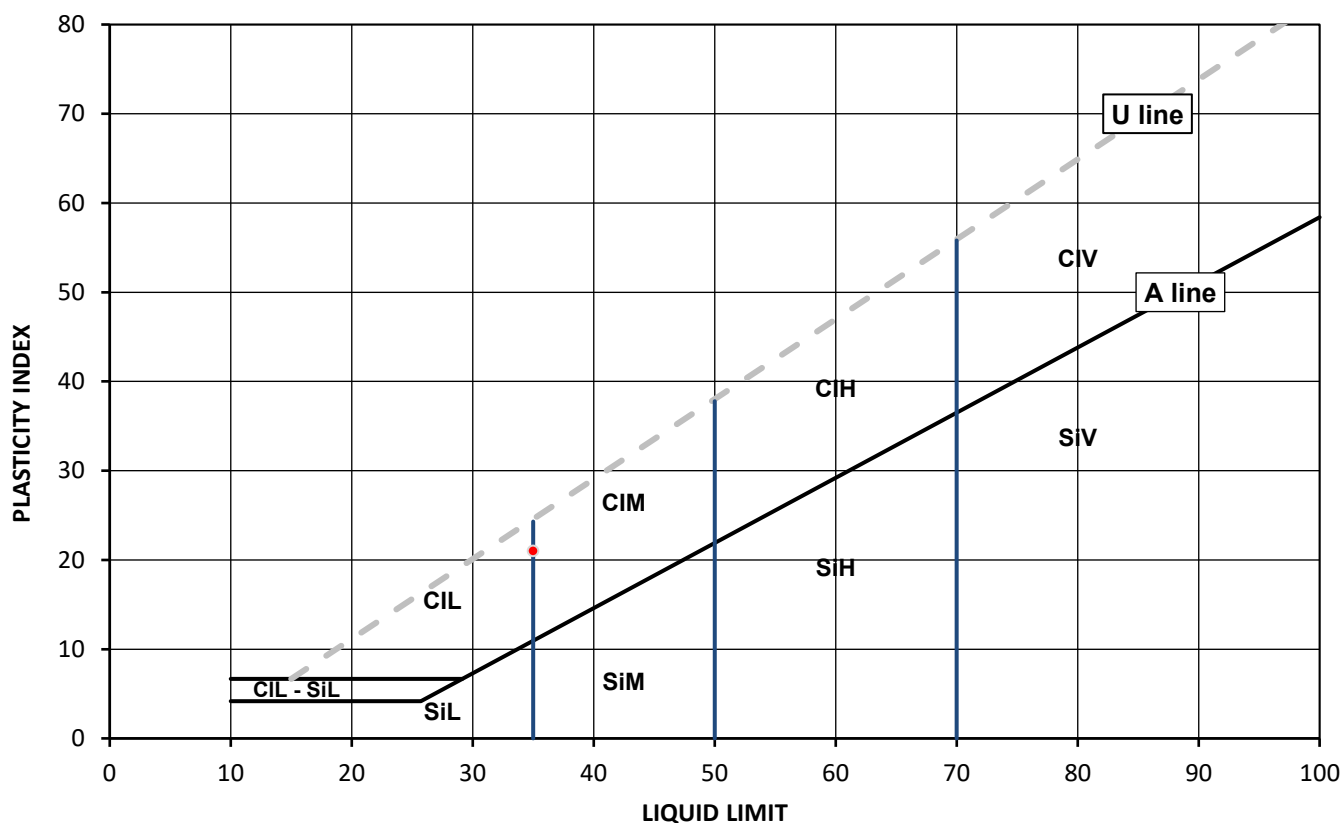
#### Test Results:

Laboratory Reference: 784491  
Hole No.: RBH06  
Sample Reference: Not Given  
Sample Description: Brownish grey slightly gravelly sandy CLAY

Depth Top [m]: 4.00  
Depth Base [m]: 4.70  
Sample Type: B

Sample Preparation: Tested after >0.425mm removed by hand; The water content in the sample was increased  
Cone Type: 80g/30deg

| As Received Water Content [W] % | Liquid Limit [WL] % | Plastic Limit [Wp] % | Plasticity Index [Ip] % | Liquidity Index [IL] % # | Consistency Index [IC] % # | % Passing 425µm BS Test Sieve |
|---------------------------------|---------------------|----------------------|-------------------------|--------------------------|----------------------------|-------------------------------|
| 17.5                            | 35                  | 14                   | 21                      | 0.19                     | 0.81                       | 88                            |



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

|    |      | Plasticity  | Liquid Limit                                            |
|----|------|-------------|---------------------------------------------------------|
| Cl | Clay | L Low       | 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 ClHO) |

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

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Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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Page 1 of 1

Date Reported: 19/01/2026

GF 337.16

# TEST CERTIFICATE

**DETERMINATION OF LIQUID AND PLASTIC LIMITS**  
 Tested in Accordance with: BS EN ISO 17892-12:2018+A2:2022,  
 cl 5.3 and 5.5, Fall Cone Method, 4 Pt Test, BS 1377-2:2022, cl 5.2 and 6

4041

Client: Curtins  
 Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
 Manchester  
 Contact: Jonathan Provis  
 Site Address: LFC Academy  
 Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
 Job Number: 25-067968-2  
 Date Sampled: Not Given  
 Date Received: 21/11/2025  
 Date Tested: 23/12/2025  
 Sampled By: Client - JP

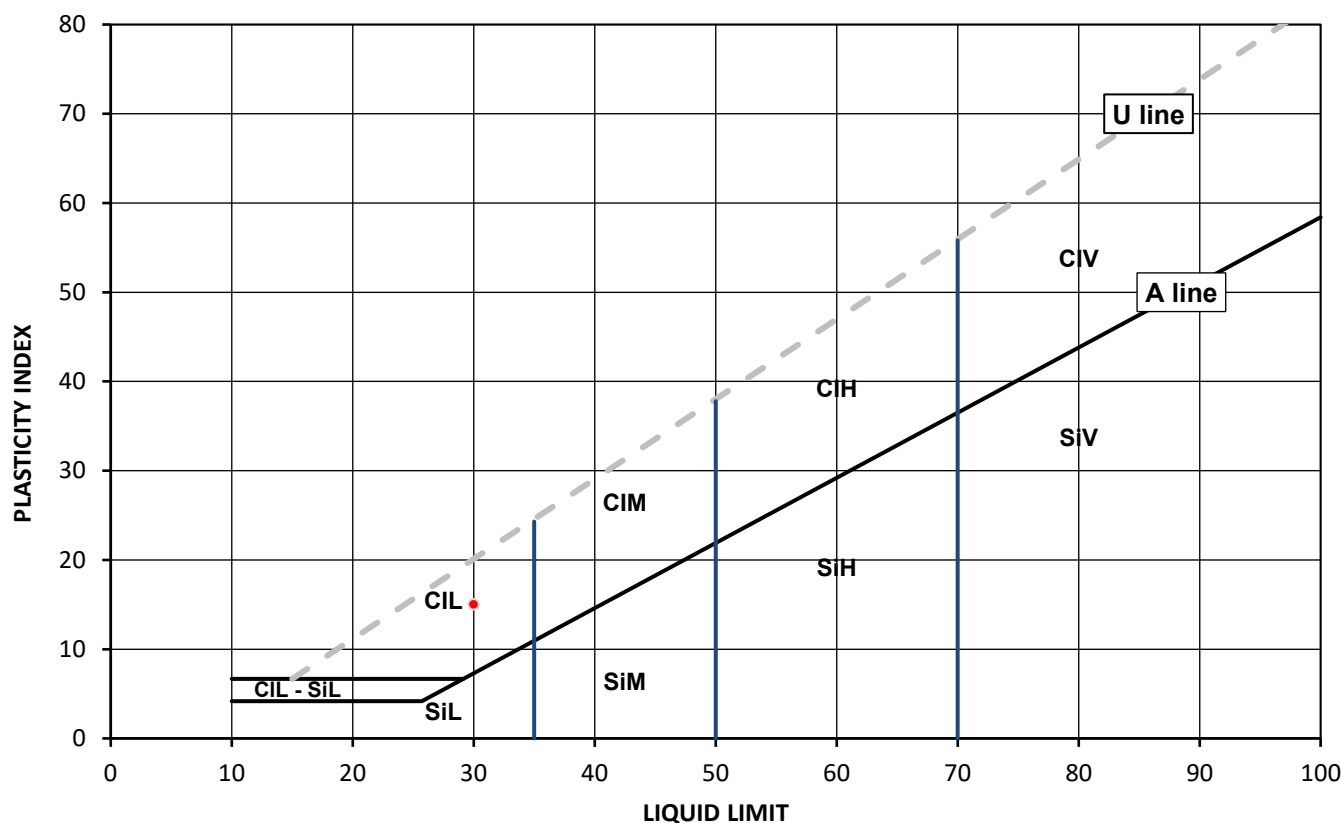
## Test Results:

Laboratory Reference: 784505  
 Hole No.: WS03  
 Sample Reference: Not Given  
 Sample Description: Brown slightly gravelly very sandy CLAY

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

Sample Preparation: Tested after washing to remove >0.425mm; The water content in the sample was increased  
 Cone Type: 80g/30deg

| As Received Water Content [W] % | Liquid Limit [WL] % | Plastic Limit [Wp] % | Plasticity Index [Ip] % | Liquidity Index [IL] % # | Consistency Index [IC] % # | % Passing 425µm BS Test Sieve |
|---------------------------------|---------------------|----------------------|-------------------------|--------------------------|----------------------------|-------------------------------|
| 18.5                            | 30                  | 15                   | 15                      | 0.27                     | 0.73                       | 89                            |



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 ClHO) |

Note: Water Content by BS EN ISO 17892-1:2014+A1:2022, BS 1377-2:2022; # Non accredited

Remarks:

Signed:

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 Geotechnical Reporting Team Leader  
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## SUMMARY REPORT

### SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:



4041

Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street  
West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy

BS EN ISO 17892-12:2018+A2:2022 cl 5.3 and 5.5, Fall Cone Method, 4 Pt  
Test, BS 1377-2:2022, cl 5.2 and 6. W by BS EN ISO 17892-1:2014+A1:2022.

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 23/12/2025 - 07/01/2026  
Sampled By: Client - JP

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

### Test results

| Laboratory Reference | Hole No. | Sample    |           |            |      | Description                                     | Remarks           | W    | Liquid & Plastic Limit |     |                    |    |    |            |                    | Density |       |       |
|----------------------|----------|-----------|-----------|------------|------|-------------------------------------------------|-------------------|------|------------------------|-----|--------------------|----|----|------------|--------------------|---------|-------|-------|
|                      |          | Reference | Depth Top | Depth Base | Type |                                                 |                   |      | % Passing 425um        | WL* | Correlation Factor | Wp | Ip | Cone type  | Sample Preparation | bulk    | dry   | PD    |
|                      |          |           | m         | m          |      |                                                 |                   |      | %                      | %   |                    | %  | %  |            |                    | Mg/m3   | Mg/m3 | Mg/m3 |
| 784442               | RBH01    | Not Given | 1.90      | 2.00       | D    | Grey slightly gravelly very sandy CLAY          | Atterberg 4 Point | 17.1 | 92                     | 29  | -                  | 14 | 15 | 80g/30 deg | R / I              |         |       |       |
| 784457               | RBH02    | Not Given | 2.60      | 2.70       | D    | Brown slightly gravelly clayey SAND             | Atterberg 4 Point | 13.1 | 93                     | 21  | -                  | 13 | 8  | 80g/30 deg | WR / I             |         |       |       |
| 784472               | RBH03    | Not Given | 3.00      | 3.10       | D    | Brownish grey slightly gravelly very sandy CLAY | Atterberg 4 Point | 16.5 | 90                     | 23  | -                  | 12 | 11 | 80g/30 deg | WR / I             |         |       |       |
| 784473               | RBH03    | Not Given | 3.50      | 3.60       | D    | Brown slightly gravelly very sandy CLAY         | Atterberg 4 Point | 16.9 | 95                     | 25  | -                  | 13 | 12 | 80g/30 deg | R / I              |         |       |       |
| 784487               | RBH04    | Not Given | 2.15      | Not Given  | D    | Brown slightly gravelly very sandy CLAY         | Atterberg 4 Point | 18.8 | 96                     | 27  | -                  | 14 | 13 | 80g/30 deg | R / I              |         |       |       |
| 784489               | RBH05    | Not Given | 2.20      | 2.30       | D    | Brown slightly gravelly clayey SAND             | Atterberg 4 Point | 12.3 | 91                     | 21  | -                  | 12 | 9  | 80g/30 deg | WR / I             |         |       |       |
| 784491               | RBH06    | Not Given | 4.00      | 4.70       | B    | Brownish grey slightly gravelly sandy CLAY      | Atterberg 4 Point | 17.5 | 88                     | 35  | -                  | 14 | 21 | 80g/30 deg | R / I              |         |       |       |
| 784503               | WS01     | Not Given | 3.00      | 3.20       | D    | Dark brown organic CLAY                         |                   | 53.7 |                        |     |                    |    |    |            |                    |         |       |       |
| 784505               | WS03     | Not Given | 1.20      | Not Given  | D    | Brown slightly gravelly very sandy CLAY         | Atterberg 4 Point | 18.5 | 89                     | 30  | -                  | 15 | 15 | 80g/30 deg | WR / I             |         |       |       |
|                      |          |           |           |            |      |                                                 |                   |      |                        |     |                    |    |    |            |                    |         |       |       |

Note: # Non accredited; NP - Non plastic; N - Tested in natural condition, R - Tested after >0,425mm removed by hand, WR - Tested after washing to remove >425mm; I - The water content in the sample was increased, D - The water content in the sample was decreased; \* - One point liquid limit corrected as per the report Correlation Factor by Clayton C.R.I and Jukes A.W (1978)

Comments:

Signed:

Katarzyna Koziel

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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## SUMMARY REPORT

### DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS EN ISO 17892-1:2014+A1:2022, BS 1377-2: 2022, clause 4.1



**4041**  
Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 23/12/2025 - 07/01/2026  
Sampled By: Client - JP

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

#### Test results

| Laboratory Reference | Hole No. | Sample    |                |                 |      | Description                                     | Remarks | WC   |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|----------|-----------|----------------|-----------------|------|-------------------------------------------------|---------|------|--|--|--|--|--|--|--|--|--|--|--|
|                      |          | Reference | Depth Top<br>m | Depth Base<br>m | Type |                                                 |         |      |  |  |  |  |  |  |  |  |  |  |  |
| 784442               | RBH01    | Not Given | 1.90           | 2.00            | D    | Grey slightly gravelly very sandy CLAY          |         | 17.1 |  |  |  |  |  |  |  |  |  |  |  |
| 784457               | RBH02    | Not Given | 2.60           | 2.70            | D    | Brown slightly gravelly clayey SAND             |         | 13.1 |  |  |  |  |  |  |  |  |  |  |  |
| 784472               | RBH03    | Not Given | 3.00           | 3.10            | D    | Brownish grey slightly gravelly very sandy CLAY |         | 16.5 |  |  |  |  |  |  |  |  |  |  |  |
| 784473               | RBH03    | Not Given | 3.50           | 3.60            | D    | Brown slightly gravelly very sandy CLAY         |         | 16.9 |  |  |  |  |  |  |  |  |  |  |  |
| 784487               | RBH04    | Not Given | 2.15           | Not Given       | D    | Brown slightly gravelly very sandy CLAY         |         | 18.8 |  |  |  |  |  |  |  |  |  |  |  |
| 784489               | RBH05    | Not Given | 2.20           | 2.30            | D    | Brown slightly gravelly clayey SAND             |         | 12.3 |  |  |  |  |  |  |  |  |  |  |  |
| 784491               | RBH06    | Not Given | 4.00           | 4.70            | B    | Brownish grey slightly gravelly sandy CLAY      |         | 17.5 |  |  |  |  |  |  |  |  |  |  |  |
| 784503               | WS01     | Not Given | 3.00           | 3.20            | D    | Dark brown organic CLAY                         |         | 53.7 |  |  |  |  |  |  |  |  |  |  |  |
| 784505               | WS03     | Not Given | 1.20           | Not Given       | D    | Brown slightly gravelly very sandy CLAY         |         | 18.5 |  |  |  |  |  |  |  |  |  |  |  |
|                      |          |           |                |                 |      |                                                 |         |      |  |  |  |  |  |  |  |  |  |  |  |

Comments:

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Signed:

*Katarzyna Koziel*

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd



4041



## TEST CERTIFICATE

### DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016,  
BS 1377-2:2022 cl. 10



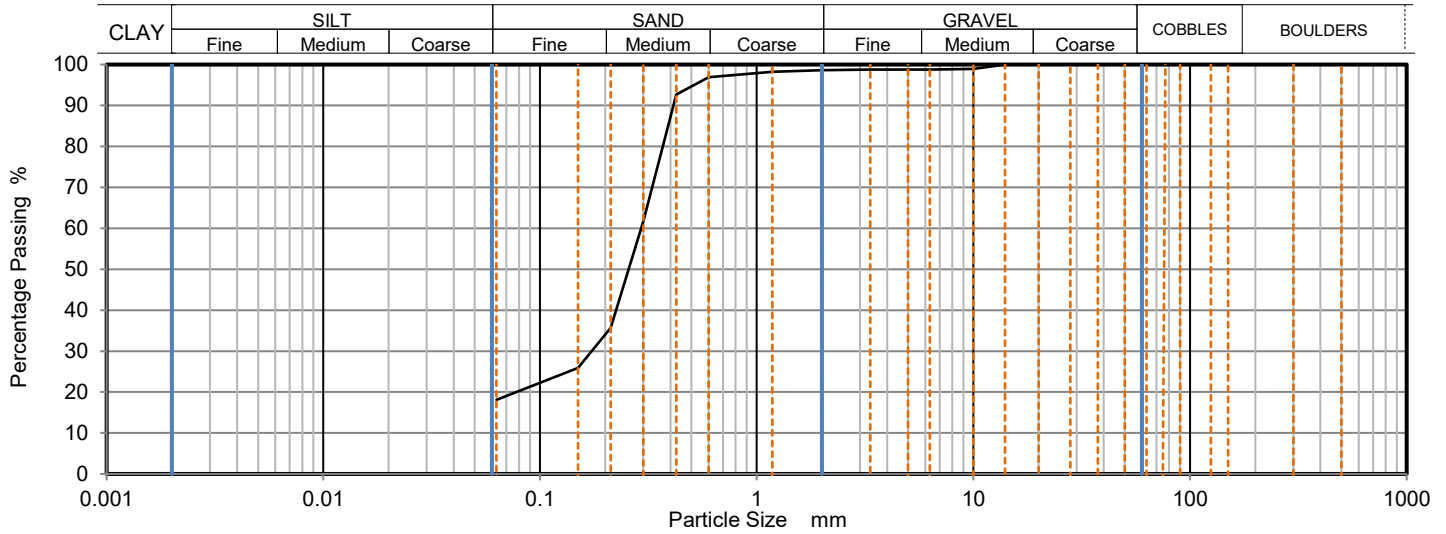
Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 23/12/2025  
Sampled By: Client - JP

#### Test Results:

Laboratory Reference: 784458  
Hole No.: RBH02  
Sample Reference: Not Given  
Sample Description: Reddish brown clayey SAND  
Sample Preparation: Sample was quartered, oven dried at 106.4 °C and broken down by hand.

Depth Top [m]: 2.90  
Depth Base [m]: 3.40  
Sample Type: B



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 500              | 100       |                  |           |
| 300              | 100       |                  |           |
| 150              | 100       |                  |           |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 99        |                  |           |
| 6.3              | 99        |                  |           |
| 5                | 99        |                  |           |
| 3.35             | 99        |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 98        |                  |           |
| 0.6              | 97        |                  |           |
| 0.425            | 93        |                  |           |
| 0.3              | 62        |                  |           |
| 0.212            | 36        |                  |           |
| 0.15             | 26        |                  |           |
| 0.063            | 18        |                  |           |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0          |
| Gravel             | 1          |
| Sand               | 81         |
| Fines <0.063 mm    | 18         |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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# TEST CERTIFICATE

## DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016,  
BS 1377-2:2022 cl. 10



4041

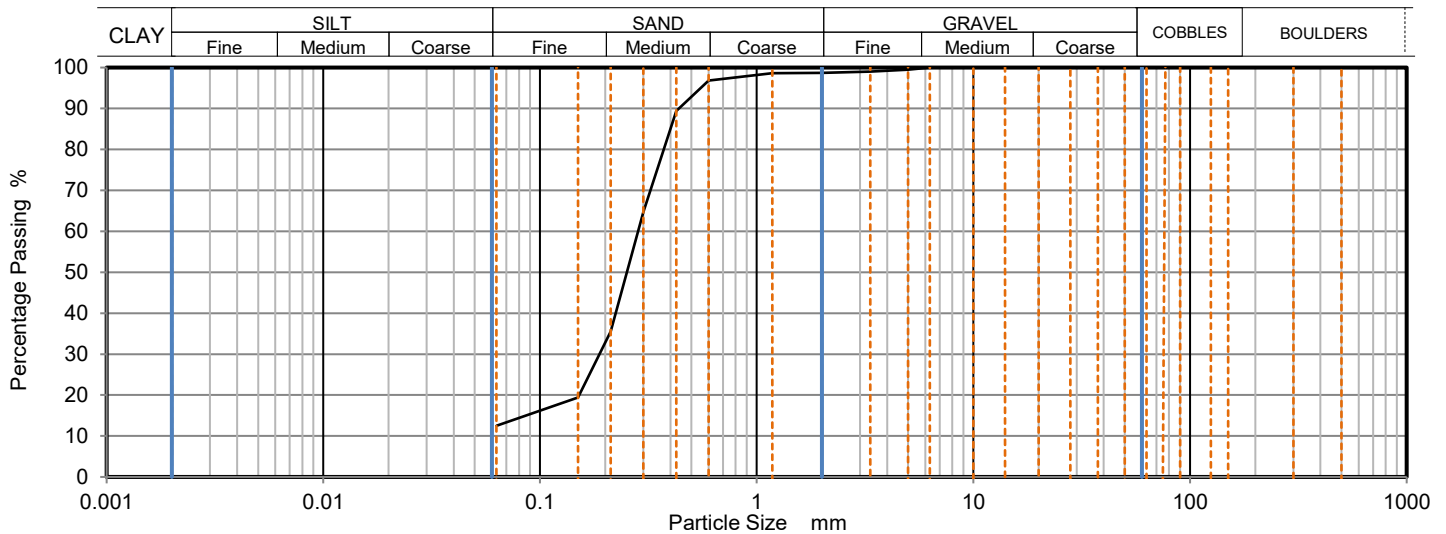
Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 07/01/2026  
Sampled By: Client - JP

### Test Results:

Laboratory Reference: 784471  
Hole No.: RBH03  
Sample Reference: Not Given  
Sample Description: Dark brown clayey SAND  
Sample Preparation: Sample was quartered, oven dried at 107.1 °C and broken down by hand.

Depth Top [m]: 1.20  
Depth Base [m]: 1.50  
Sample Type: B



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 500              | 100       |                  |           |
| 300              | 100       |                  |           |
| 150              | 100       |                  |           |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 99        |                  |           |
| 2                | 99        |                  |           |
| 1.18             | 99        |                  |           |
| 0.6              | 97        |                  |           |
| 0.425            | 89        |                  |           |
| 0.3              | 65        |                  |           |
| 0.212            | 36        |                  |           |
| 0.15             | 19        |                  |           |
| 0.063            | 13        |                  |           |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0          |
| Gravel             | 1          |
| Sand               | 86         |
| Fines <0.063 mm    | 13         |

| Grading Analysis       |    |       |
|------------------------|----|-------|
| D100                   | mm | 6.3   |
| D60                    | mm | 0.284 |
| D30                    | mm | 0.188 |
| D10                    | mm |       |
| Uniformity Coefficient |    |       |
| Curvature Coefficient  |    |       |

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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# TEST CERTIFICATE

## DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016,  
BS 1377-2:2022 cl. 10



4041

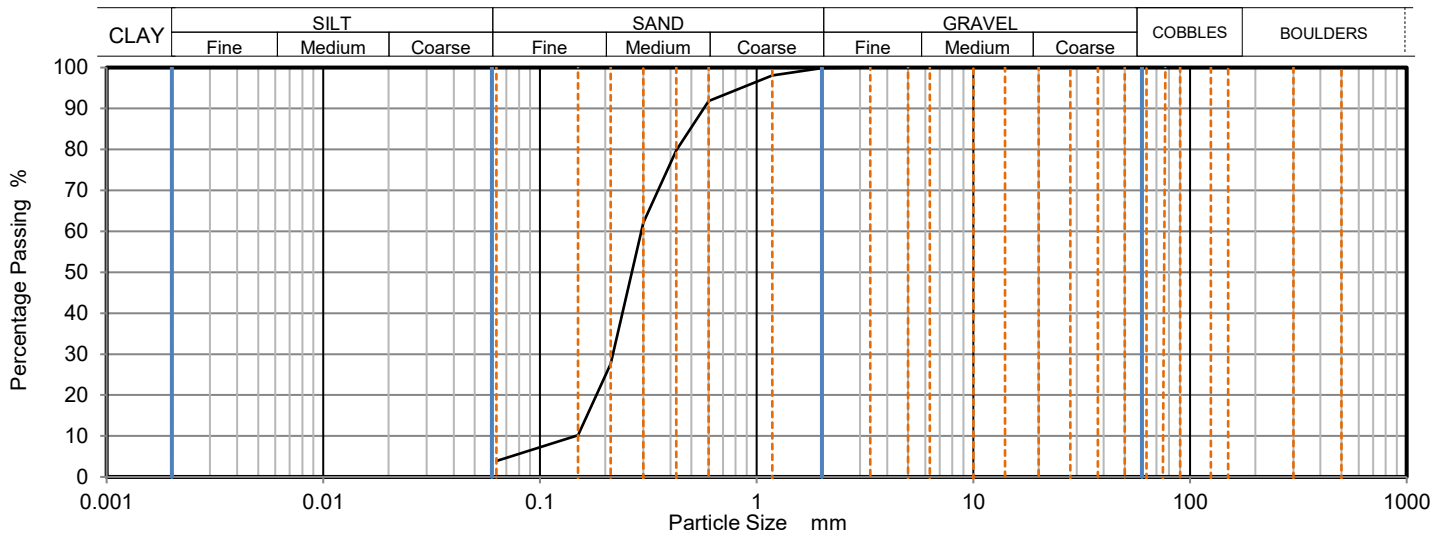
Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 07/01/2026  
Sampled By: Client - JP

### Test Results:

Laboratory Reference: 784488  
Hole No.: RBH05  
Sample Reference: Not Given  
Sample Description: Dark brown slightly clayey SAND  
Sample Preparation: Sample was quartered, oven dried at 107.1 °C and broken down by hand.

Depth Top [m]: 0.80  
Depth Base [m]: 1.20  
Sample Type: B



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 500              | 100       |                  |           |
| 300              | 100       |                  |           |
| 150              | 100       |                  |           |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 98        |                  |           |
| 0.6              | 92        |                  |           |
| 0.425            | 80        |                  |           |
| 0.3              | 62        |                  |           |
| 0.212            | 28        |                  |           |
| 0.15             | 10        |                  |           |
| 0.063            | 4         |                  |           |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0          |
| Gravel             | 0          |
| Sand               | 96         |
| Fines <0.063 mm    | 4          |

| Grading Analysis       |    |       |
|------------------------|----|-------|
| D100                   | mm | 3.35  |
| D60                    | mm | 0.294 |
| D30                    | mm | 0.217 |
| D10                    | mm | 0.145 |
| Uniformity Coefficient |    | 2     |
| Curvature Coefficient  |    | 1.1   |

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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# TEST CERTIFICATE

## DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016,  
BS 1377-2:2022 cl. 10



4041

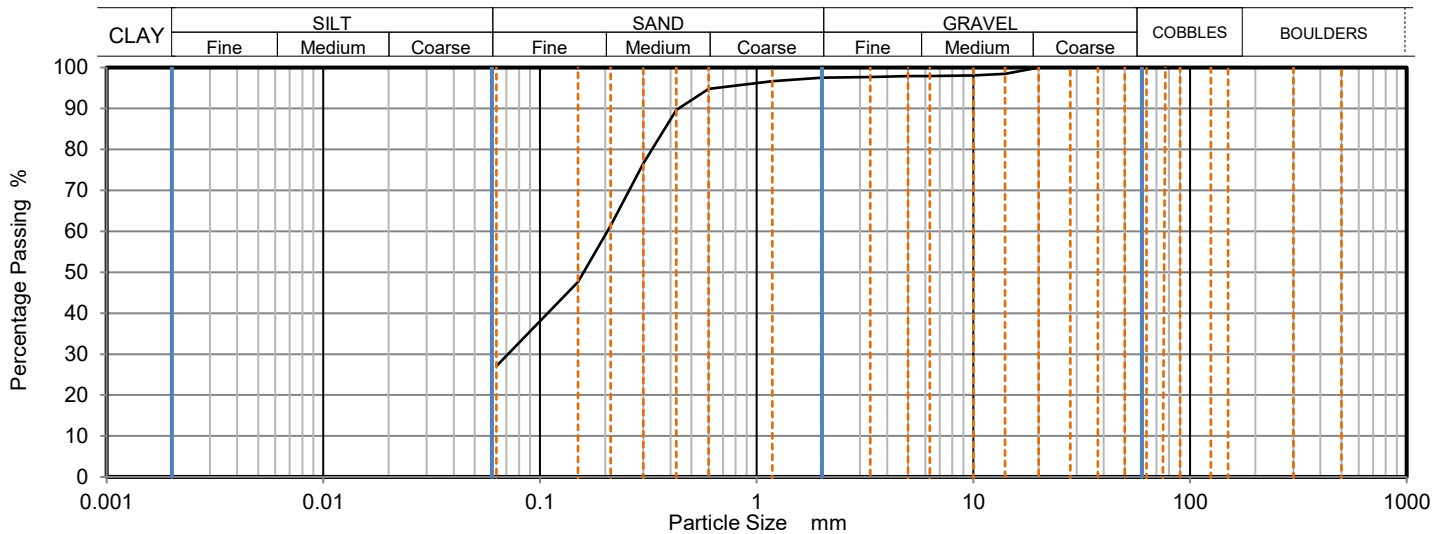
Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 07/01/2026  
Sampled By: Client - JP

### Test Results:

Laboratory Reference: 784490  
Hole No.: RBH05  
Sample Reference: Not Given  
Sample Description: Grey slightly gravelly very sandy CLAY  
Sample Preparation: Sample was quartered, oven dried at 107.1 °C and broken down by hand.

Depth Top [m]: 2.60  
Depth Base [m]: 3.00  
Sample Type: B



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 500              | 100       |                  |           |
| 300              | 100       |                  |           |
| 150              | 100       |                  |           |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 99        |                  |           |
| 10               | 98        |                  |           |
| 6.3              | 98        |                  |           |
| 5                | 98        |                  |           |
| 3.35             | 98        |                  |           |
| 2                | 98        |                  |           |
| 1.18             | 97        |                  |           |
| 0.6              | 95        |                  |           |
| 0.425            | 90        |                  |           |
| 0.3              | 77        |                  |           |
| 0.212            | 61        |                  |           |
| 0.15             | 48        |                  |           |
| 0.063            | 27        |                  |           |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0          |
| Gravel             | 3          |
| Sand               | 70         |
| Fines <0.063 mm    | 27         |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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# TEST CERTIFICATE

## DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016,  
BS 1377-2:2022 cl. 10



4041

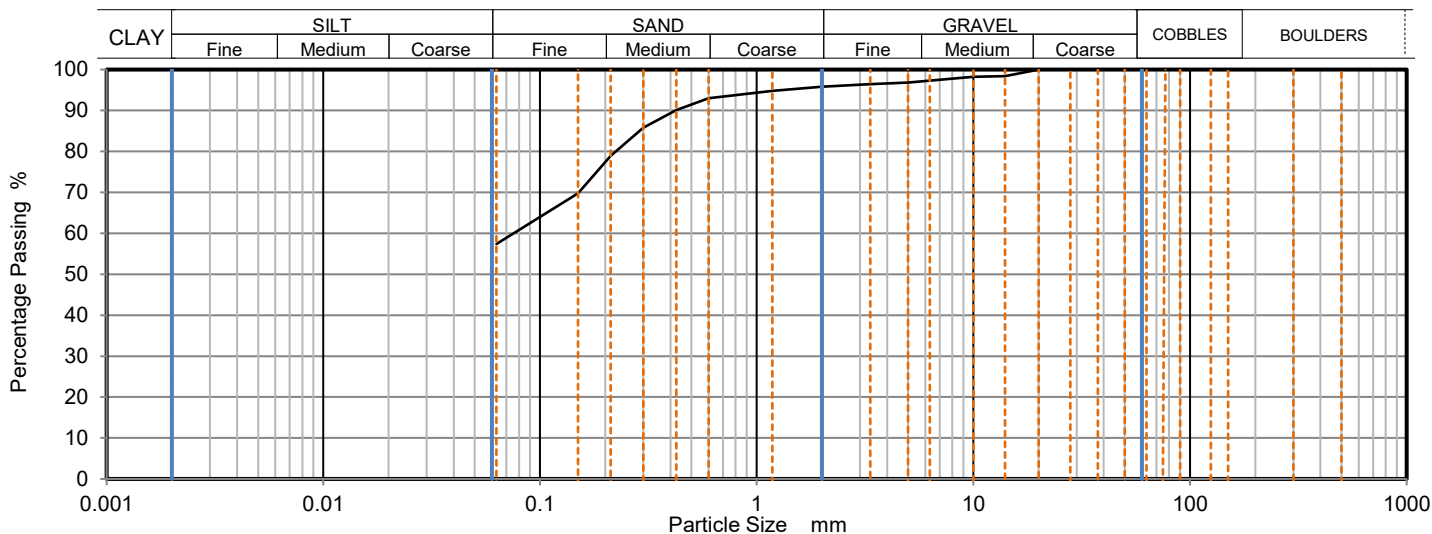
Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 07/01/2026  
Sampled By: Client - JP

### Test Results:

Laboratory Reference: 784491  
Hole No.: RBH06  
Sample Reference: Not Given  
Sample Description: Brownish grey slightly gravelly sandy CLAY  
Sample Preparation: Sample was quartered, oven dried at 107.1 °C and broken down by hand.

Depth Top [m]: 4.00  
Depth Base [m]: 4.70  
Sample Type: B





# TEST CERTIFICATE

## DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS EN ISO 17892-4:2016,  
BS 1377-2:2022 cl. 10



4041

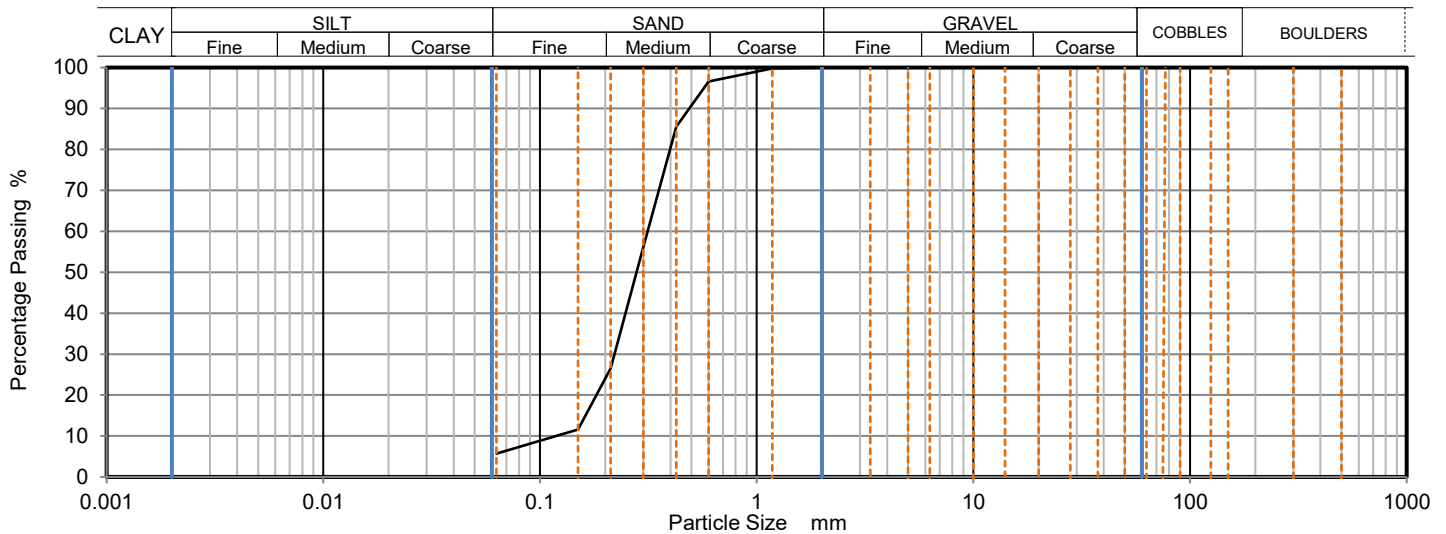
Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 07/01/2026  
Sampled By: Client - JP

### Test Results:

Laboratory Reference: 784504  
Hole No.: WS01  
Sample Reference: Not Given  
Sample Description: Brown clayey SAND  
Sample Preparation: Sample was quartered, oven dried at 107.1 °C and broken down by hand.

Depth Top [m]: 3.50  
Depth Base [m]: 4.00  
Sample Type: B



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 500              | 100       |                  |           |
| 300              | 100       |                  |           |
| 150              | 100       |                  |           |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 100       |                  |           |
| 6.3              | 100       |                  |           |
| 5                | 100       |                  |           |
| 3.35             | 100       |                  |           |
| 2                | 100       |                  |           |
| 1.18             | 100       |                  |           |
| 0.6              | 97        |                  |           |
| 0.425            | 86        |                  |           |
| 0.3              | 56        |                  |           |
| 0.212            | 27        |                  |           |
| 0.15             | 12        |                  |           |
| 0.063            | 6         |                  |           |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0          |
| Gravel             | 0          |
| Sand               | 94         |
| Fines <0.063 mm    | 6          |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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4041

**TEST CERTIFICATE****DETERMINATION OF PARTICLE  
SIZE DISTRIBUTION**Tested in Accordance with: BS EN ISO 17892-4:2016,  
BS 1377-2:2022 cl. 10

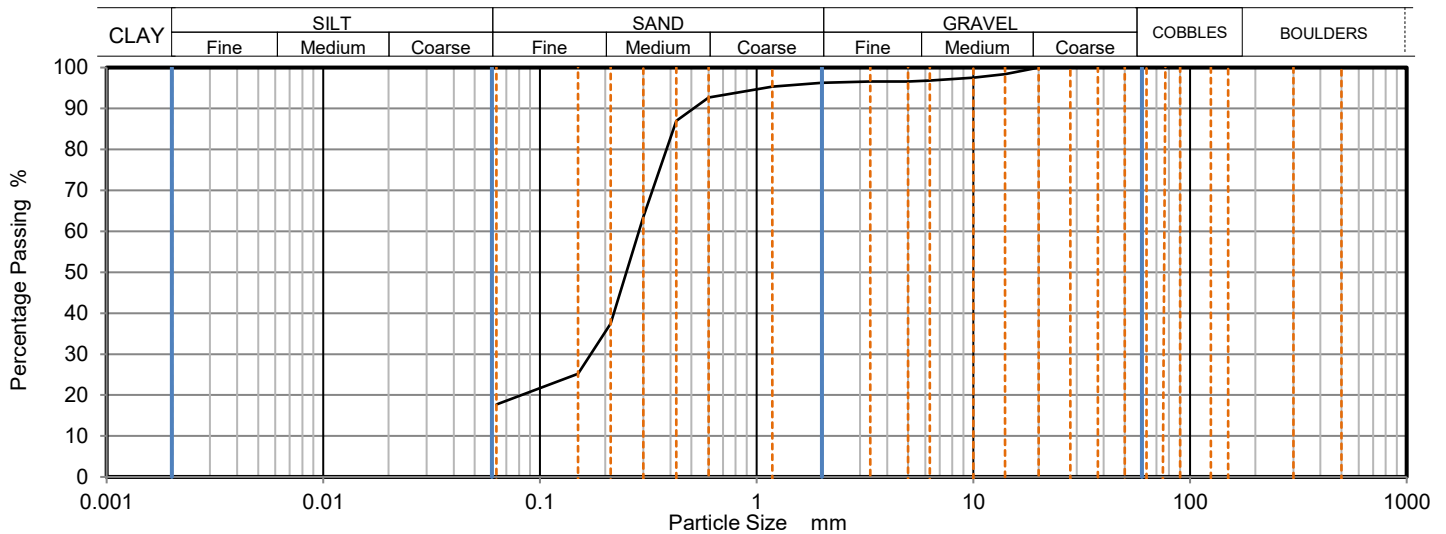
Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 23/12/2025  
Sampled By: Client - JP

**Test Results:**

Laboratory Reference: 784506  
Hole No.: WS03  
Sample Reference: Not Given  
Sample Description: Reddish brown slightly gravelly clayey SAND  
Sample Preparation: Sample was quartered, oven dried at 106.4 °C and broken down by hand.

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



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 500              | 100       |                  |           |
| 300              | 100       |                  |           |
| 150              | 100       |                  |           |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 98        |                  |           |
| 10               | 98        |                  |           |
| 6.3              | 97        |                  |           |
| 5                | 97        |                  |           |
| 3.35             | 97        |                  |           |
| 2                | 96        |                  |           |
| 1.18             | 95        |                  |           |
| 0.6              | 93        |                  |           |
| 0.425            | 87        |                  |           |
| 0.3              | 64        |                  |           |
| 0.212            | 38        |                  |           |
| 0.15             | 25        |                  |           |
| 0.063            | 18        |                  |           |

| Sample Proportions | % dry mass |
|--------------------|------------|
| Very coarse        | 0          |
| Gravel             | 4          |
| Sand               | 78         |
| Fines <0.063 mm    | 18         |

| Grading Analysis       |    |       |
|------------------------|----|-------|
| D100                   | mm | 20    |
| D60                    | mm | 0.286 |
| D30                    | mm | 0.172 |
| D10                    | mm |       |
| Uniformity Coefficient |    |       |
| Curvature Coefficient  |    |       |

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with ISO 17892 -4, by sieving on as received or wet sample

Remarks:

Signed:

Katarzyna Koziel

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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## SUMMARY REPORT

### DETERMINATION OF POINT LOAD STRENGTH

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



4041

Client: Curtins

Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester

Contact: Jonathan Provis

Site Address: LFC Academy

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

Client Reference: 88269

Job Number: 25-067968-2

Date Sampled: Not Given

Date Received: 21/11/2025

Date Tested: 07/01 - 16/01/2026

Sampled By: Client - JP

### 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 |
| 784443               | RBH01    | Not Given | 4.34           | 4.48            | C    | Brown SANDSTONE                             | WC = 8.4%                                        | 1                  | D                     | U                        | YES                    | 58.3       | 101.6   | 102.0     | 98.0       | 1.9           | 99.8                          | 0.19                      | 0.25          |
| 784444               | RBH01    | Not Given | 4.79           | 4.90            | C    | Brown SANDSTONE                             | WC = 7.1%                                        | 1                  | A                     | U                        | YES                    | -          | 101.6   | 55.0      | 47.0       | 3.6           | 78.0                          | 0.58                      | 0.71          |
| 784445               | RBH01    | Not Given | 5.35           | 5.46            | C    | Brown SANDSTONE                             | WC = 8.4%                                        | 1                  | D                     | U                        | YES                    | 67.0       | 101.7   | 102.0     | 96.0       | 3.1           | 98.8                          | 0.31                      | 0.42          |
| 784446               | RBH01    | Not Given | 5.83           | 6.11            | C    | Orangish brown SANDSTONE                    | WC = 7.0%                                        | 1                  | D                     | U                        | YES                    | 71.4       | 99.6    | 100.0     | 95.0       | 2.7           | 97.3                          | 0.29                      | 0.39          |
| 784447               | RBH01    | Not Given | 6.32           | 6.46            | C    | Brown SANDSTONE                             | WC = 12.0%                                       | 1                  | D                     | U                        | YES                    | 78.8       | 100.7   | 101.0     | 96.0       | 2.2           | 98.3                          | 0.23                      | 0.31          |
| 784448               | RBH01    | Not Given | 7.25           | 7.36            | C    | Brown SANDSTONE                             | WC = 9.6%                                        | 1                  | D                     | U                        | YES                    | 66.8       | 101.0   | 101.0     | 97.0       | 1.1           | 99.0                          | 0.11                      | 0.15          |
| 784449               | RBH01    | Not Given | 8.00           | 8.20            | C    | Greyish brown mottled light brown SANDSTONE | WC = 7.1%                                        | 1                  | D                     | U                        | YES                    | 70.4       | 101.4   | 102.0     | 99.0       | 0.7           | 100.2                         | 0.07                      | 0.10          |
| 784451               | RBH01    | Not Given | 9.59           | 9.67            | C    | Brown SANDSTONE                             | WC = 7.9%                                        | 1                  | D                     | U                        | YES                    | 53.5       | 101.1   | 101.0     | 97.0       | 2.4           | 99.0                          | 0.24                      | 0.33          |
| 784452               | RBH01    | Not Given | 10.56          | 10.73           | C    | Brown SANDSTONE                             | WC = 8.8%                                        | 1                  | D                     | U                        | YES                    | 80.3       | 101.4   | 102.0     | 97.0       | 3.0           | 99.2                          | 0.30                      | 0.41          |
| 784453               | RBH01    | Not Given | 11.05          | 11.52           | C    | Orangish brown SANDSTONE                    | WC = 3.1%                                        | 1                  | D                     | L                        | YES                    | 72.8       | 101.2   | 101.0     | 97.0       | 5.0           | 99.1                          | 0.50                      | 0.69          |

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

Equipment No.: i2 4341

Calibration Date: 10/03/2025 - 10/03/2026

Comments: Replaces Analytical Report Number 25-067968, issue no 1; Additional results of Point Load (samples: 784446, 784453)

Signed:

*Katarzyna Koziel*

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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## SUMMARY REPORT

### DETERMINATION OF POINT LOAD STRENGTH

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



4041

Client: Curtins

Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester

Contact: Jonathan Provis

Site Address: LFC Academy

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

Client Reference: 88269

Job Number: 25-067968-2

Date Sampled: Not Given

Date Received: 21/11/2025

Date Tested: 07/01 - 16/01/2026

Sampled By: Client - JP

### 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 |
| 784454               | RBH01    | Not Given | 11.70          | 11.92           | C    | Brown SANDSTONE          | WC = 8.7%                                        | 1                  | D                     | U                        | YES                    | 74.3       | 100.9   | 101.0     | 97.0       | 1.9           | 98.9                          | 0.19                      | 0.26          |
| 784455               | RBH01    | Not Given | 12.70          | 12.92           | C    | Brown SANDSTONE          | WC = 7.8%                                        | 1                  | D                     | U                        | YES                    | 76.4       | 100.8   | 101.0     | 97.0       | 2.8           | 98.9                          | 0.29                      | 0.39          |
| 784456               | RBH01    | Not Given | 13.72          | 13.92           | C    | Brown SANDSTONE          | WC = 8.4%                                        | 1                  | D                     | U                        | YES                    | 68.6       | 101.5   | 102.0     | 96.0       | 2.8           | 98.7                          | 0.28                      | 0.38          |
| 784459               | RBH02    | Not Given | 5.31           | 5.42            | C    | Brown SANDSTONE          | WC = 7.8%                                        | 1                  | D                     | U                        | YES                    | 55.6       | 101.8   | 102.0     | 96.0       | 3.2           | 98.8                          | 0.32                      | 0.44          |
| 784460               | RBH02    | Not Given | 6.00           | 6.11            | C    | Brown SANDSTONE          | WC = 8.5%                                        | 1                  | D                     | U                        | YES                    | 56.9       | 101.3   | 102.0     | 99.0       | 3.0           | 100.2                         | 0.30                      | 0.41          |
| 784461               | RBH02    | Not Given | 7.01           | 7.14            | C    | Brown SANDSTONE          | WC = 8.7%                                        | 1                  | D                     | U                        | YES                    | 70.8       | 101.5   | 102.0     | 97.0       | 3.6           | 99.2                          | 0.37                      | 0.50          |
| 784462               | RBH02    | Not Given | 7.33           | 7.44            | C    | Brown SANDSTONE          | WC = 9.5%                                        | 1                  | D                     | U                        | YES                    | 63.2       | 101.3   | 101.0     | 97.0       | 1.2           | 99.1                          | 0.12                      | 0.16          |
| 784464               | RBH02    | Not Given | 9.25           | 9.35            | C    | Brown SANDSTONE          | WC = 9.3%                                        | 1                  | D                     | U                        | YES                    | 53.9       | 101.1   | 102.0     | 98.0       | 3.6           | 99.6                          | 0.36                      | 0.50          |
| 784465               | RBH02    | Not Given | 10.62          | 10.83           | C    | Brown SANDSTONE          | WC = 7.3%                                        | 1                  | D                     | U                        | YES                    | 78.8       | 101.0   | 101.0     | 97.0       | 4.5           | 99.0                          | 0.45                      | 0.62          |
| 784466               | RBH02    | Not Given | 11.91          | 12.27           | C    | Orangish brown SANDSTONE | WC = 8.2%                                        | 1                  | D                     | L                        | YES                    | 73.5       | 101.3   | 101.0     | 98.0       | 4.1           | 99.6                          | 0.41                      | 0.56          |

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

Equipment No.: i2 4341

Calibration Date: 10/03/2025 - 10/03/2026

Comments: Replaces Analytical Report Number 25-067968, issue no 1; Additional results of Point Load (sample 784466)

Signed:

Katarzyna Koziel

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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.



## SUMMARY REPORT

### DETERMINATION OF POINT LOAD STRENGTH

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



4041

Client: Curtins

Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester

Contact: Jonathan Provis

Site Address: LFC Academy

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

Client Reference: 88269

Job Number: 25-067968-2

Date Sampled: Not Given

Date Received: 21/11/2025

Date Tested: 07/01 - 16/01/2026

Sampled By: Client - JP

### 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 |
| 784467               | RBH02    | Not Given | 12.40          | 12.50           | C    | Light brown SANDSTONE    | WC = 1.7%                                        | 1                  | A                     | U                        | YES                    | -          | 100.6   | 82.0      | 74.0       | 3.3           | 97.3                          | 0.35                      | 0.47          |
| 784468               | RBH02    | Not Given | 13.00          | 13.11           | C    | Brown SANDSTONE          | WC = 11.3%                                       | 1                  | A                     | U                        | YES                    | -          | 100.8   | 66.0      | 57.0       | 2.1           | 85.5                          | 0.28                      | 0.36          |
| 784469               | RBH02    | Not Given | 13.25          | 13.48           | C    | Brown SANDSTONE          | WC = 8.5%                                        | 1                  | D                     | U                        | YES                    | 79.9       | 101.3   | 102.0     | 98.0       | 3.9           | 99.6                          | 0.39                      | 0.54          |
| 784470               | RBH02    | Not Given | 13.69          | 14.00           | C    | Orangish brown SANDSTONE | WC = 8.1%                                        | 1                  | D                     | L                        | YES                    | 69.4       | 101.1   | 101.0     | 98.0       | 2.8           | 99.5                          | 0.28                      | 0.39          |
| 784474               | RBH03    | Not Given | 4.60           | 4.89            | C    | Orangish brown SANDSTONE | WC = 10.1%                                       | 1                  | A                     | U                        | YES                    | -          | 101.1   | 86.0      | 81.0       | 2.9           | 102.1                         | 0.27                      | 0.38          |
| 784475               | RBH03    | Not Given | 5.14           | 5.25            | C    | Grey SANDSTONE           | WC = 9.9%                                        | 1                  | A                     | U                        | YES                    | -          | 101.2   | 38.0      | 34.0       | 0.8           | 66.2                          | 0.17                      | 0.19          |
| 784476               | RBH03    | Not Given | 6.97           | 7.24            | C    | Light brown SANDSTONE    | WC = 9.7%                                        | 1                  | D                     | U                        | YES                    | 88.1       | 101.0   | 101.0     | 97.0       | 2.4           | 99.0                          | 0.25                      | 0.33          |
| 784477               | RBH03    | Not Given | 7.34           | 7.70            | C    | Orangish brown SANDSTONE | WC = 11.1%                                       | 1                  | A                     | U                        | YES                    | -          | 99.5    | 81.0      | 77.0       | 3.7           | 98.8                          | 0.38                      | 0.52          |
| 784478               | RBH03    | Not Given | 8.47           | 8.59            | C    | Brown SANDSTONE          | WC = 8.3%                                        | 1                  | D                     | U                        | YES                    | 76.3       | 101.2   | 101.0     | 98.0       | 2.3           | 99.6                          | 0.23                      | 0.31          |
| 784479               | RBH03    | Not Given | 9.29           | 9.50            | C    | Brown SANDSTONE          | WC = 10.5%                                       | 1                  | D                     | U                        | YES                    | 81.9       | 101.2   | 102.0     | 98.0       | 2.0           | 99.6                          | 0.20                      | 0.27          |

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

Equipment No.: i2 4341

Calibration Date: 10/03/2025 - 10/03/2026

Comments: Replaces Analytical Report Number 25-067968, issue no 1; Additional results of Point Load (samples: 784470, 784474, 784477)

Signed:

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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## SUMMARY REPORT

### DETERMINATION OF POINT LOAD STRENGTH

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



4041

Client: Curtins

Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester

Contact: Jonathan Provis

Site Address: LFC Academy

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

Client Reference: 88269

Job Number: 25-067968-2

Date Sampled: Not Given

Date Received: 21/11/2025

Date Tested: 08/01/2026

Sampled By: Client - JP

### 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 |
| 784480               | RBH03    | Not Given | 10.04          | 10.19           | C    | Light grey SANDSTONE  | WC = 7.5%                                        | 1                  | D                     | U                        | YES                    | 77.4       | 98.7    | 100.0     | 97.0       | 1.7           | 97.8                          | 0.17                      | 0.23          |
| 784481               | RBH03    | Not Given | 10.58          | 10.77           | C    | Light brown SANDSTONE | WC = 5.1%                                        | 1                  | D                     | U                        | YES                    | 73.5       | 101.6   | 102.0     | 98.0       | 2.9           | 99.8                          | 0.29                      | 0.40          |
| 784483               | RBH03    | Not Given | 11.53          | 11.64           | C    | Brown SANDSTONE       | WC = 6.9%                                        | 1                  | D                     | U                        | YES                    | 55.4       | 100.7   | 101.0     | 98.0       | 3.0           | 99.4                          | 0.30                      | 0.41          |
| 784484               | RBH03    | Not Given | 13.64          | 13.77           | C    | Brown SANDSTONE       | WC = 5.0%                                        | 1                  | D                     | U                        | YES                    | 69.4       | 100.7   | 101.0     | 96.0       | 3.5           | 98.3                          | 0.36                      | 0.48          |
| 784485               | RBH03    | Not Given | 14.52          | 14.63           | C    | Brown SANDSTONE       | WC = 10.6%                                       | 1                  | D                     | U                        | YES                    | 58.4       | 101.0   | 101.0     | 98.0       | 1.9           | 99.5                          | 0.19                      | 0.26          |
| 784492               | RBH06    | Not Given | 5.98           | 6.14            | C    | Brown SANDSTONE       | WC = 13.5%                                       | 1                  | A                     | U                        | YES                    | -          | 102.3   | 65.0      | 49.0       | 0.3           | 79.9                          | 0.05                      | 0.06          |
| 784493               | RBH06    | Not Given | 7.89           | 8.00            | C    | Brown SANDSTONE       | WC = 8.7%                                        | 1                  | D                     | U                        | YES                    | 56.6       | 106.7   | 101.0     | 97.0       | 2.4           | 101.7                         | 0.23                      | 0.32          |
| 784495               | RBH06    | Not Given | 8.98           | 9.09            | C    | Brown SANDSTONE       | WC = 9.7%                                        | 1                  | D                     | U                        | YES                    | 60.6       | 101.7   | 102.0     | 99.0       | 3.6           | 100.3                         | 0.36                      | 0.49          |
| 784496               | RBH06    | Not Given | 9.83           | 10.05           | C    | Brown SANDSTONE       | WC = 9.7%                                        | 1                  | D                     | U                        | YES                    | 84.0       | 100.5   | 101.0     | 95.0       | 2.8           | 97.7                          | 0.29                      | 0.40          |
| 784497               | RBH06    | Not Given | 11.00          | 11.13           | C    | Brown SANDSTONE       | WC = 10.9%                                       | 1                  | D                     | U                        | YES                    | 73.4       | 99.8    | 100.0     | 97.0       | 2.1           | 98.4                          | 0.22                      | 0.29          |

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

Equipment No.: i2 4341

Calibration Date: 10/03/2025 - 10/03/2026

### Comments:

Signed:

Katarzyna Koziel

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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# SUMMARY REPORT

## DETERMINATION OF POINT LOAD STRENGTH

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



4041  
Client: Curtins  
Client Address: Merchant Exchange, 17-19 Whitworth Street West, Manchester  
Contact: Jonathan Provis  
Site Address: LFC Academy  
Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: 88269  
Job Number: 25-067968-2  
Date Sampled: Not Given  
Date Received: 21/11/2025  
Date Tested: 08/01 - 16/01/2026  
Sampled By: Client - JP

### Test results

| Laboratory Reference | Hole No. | Sample    |                |                 |      | Description              | Remarks<br>(including water content if measured) | Specimen Reference | Test Type<br>see ISRM |                          | Failure Valid (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 |
| 784498               | RBH06    | Not Given | 12.37          | 12.50           | C    | Brown SANDSTONE          | WC = 9.1%                                        | 1                  | D                     | U                        | YES                 | 71.3       | 101.7   | 102.0     | 96.0       | 3.7           | 98.8                          | 0.37                      | 0.51          |
| 784500               | RBH06    | Not Given | 14.09          | 14.21           | C    | Brown SANDSTONE          | WC = 11.1%                                       | 1                  | D                     | U                        | YES                 | 62.7       | 100.4   | 101.0     | 96.0       | 3.5           | 98.2                          | 0.36                      | 0.49          |
| 784499               | RBH06    | Not Given | 14.10          | 14.40           | C    | Orangish brown SANDSTONE | WC = 11.6%                                       | 1                  | D                     | U                        | YES                 | 69.4       | 100.5   | 101.0     | 97.0       | 2.5           | 98.7                          | 0.26                      | 0.35          |
| 784501               | RBH06    | Not Given | 14.71          | 14.85           | C    | Brown SANDSTONE          | WC = 10.6%                                       | 1                  | D                     | U                        | YES                 | 77.9       | 101.7   | 102.0     | 99.0       | 3.1           | 100.3                         | 0.31                      | 0.42          |
|                      |          |           |                |                 |      |                          |                                                  |                    |                       |                          |                     |            |         |           |            |               |                               |                           |               |
|                      |          |           |                |                 |      |                          |                                                  |                    |                       |                          |                     |            |         |           |            |               |                               |                           |               |
|                      |          |           |                |                 |      |                          |                                                  |                    |                       |                          |                     |            |         |           |            |               |                               |                           |               |
|                      |          |           |                |                 |      |                          |                                                  |                    |                       |                          |                     |            |         |           |            |               |                               |                           |               |
|                      |          |           |                |                 |      |                          |                                                  |                    |                       |                          |                     |            |         |           |            |               |                               |                           |               |
|                      |          |           |                |                 |      |                          |                                                  |                    |                       |                          |                     |            |         |           |            |               |                               |                           |               |
|                      |          |           |                |                 |      |                          |                                                  |                    |                       |                          |                     |            |         |           |            |               |                               |                           |               |
|                      |          |           |                |                 |      |                          |                                                  |                    |                       |                          |                     |            |         |           |            |               |                               |                           |               |

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

Equipment No.: i2 4341 Calibration Date: 10/03/2025 - 10/03/2026

Comments: Replaces Analytical Report Number 25-067968, issue no 1; Additional results of Point Load (sample: 784499)

Signed: Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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## SUMMARY REPORT

### DETERMINATION OF UNIAXIAL COMPRESSIVE STRENGTH OF ROCK MATERIALS

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



4041

Client: Curtins

Client Address: Merchant Exchange, 17-19 Whitworth Street West,  
Manchester

Contact: Jonathan Provis

Site Address: LFC Academy

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

Client Reference: 88269

Job Number: 25-067968-2

Date Sampled: Not Given

Date Received: 21/11/2025

Date Tested: 07/01/2026

Sampled By: Client - JP

### Test results

| Laboratory Reference | Hole No. | Sample    |           |            |      | Description                             | Remarks | Specimen Dimensions (2) |        |     |                       | Bulk density (2) | Water Content (1) | Uniaxial Compression (3) |             |                 |      |
|----------------------|----------|-----------|-----------|------------|------|-----------------------------------------|---------|-------------------------|--------|-----|-----------------------|------------------|-------------------|--------------------------|-------------|-----------------|------|
|                      |          | Reference | Depth Top | Depth Base | Type |                                         |         | Diameter                | Length | H/D | Orientation of sample |                  |                   | Condition                | Stress Rate | Mode of failure | UCS  |
|                      |          |           | m         | m          |      |                                         |         |                         |        |     |                       |                  |                   |                          |             |                 |      |
| 784450               | RBH01    | Not Given | 8.47      | 9.04       | C    | Brown SANDSTONE                         |         | 100.8                   | 255.6  | 2.5 | Vertical              | 2.14             | 7.4               | as received              | 0.0250      | AC              | 12.9 |
| 784463               | RBH02    | Not Given | 8.55      | 8.89       | C    | Brown SANDSTONE                         |         | 101.3                   | 287.8  | 2.8 | Vertical              | 2.12             | 8.6               | as received              | 0.0372      | MS              | 14.9 |
| 784482               | RBH03    | Not Given | 11.08     | 11.40      | C    | Brown SANDSTONE                         |         | 101.3                   | 264.3  | 2.6 | Vertical              | 2.18             | 9.6               | as received              | 0.0248      | MS              | 14.1 |
| 784486               | RBH03    | Not Given | 15.20     | 15.50      | C    | Brown mottled yellowish brown SANDSTONE |         | 100.3                   | 275.5  | 2.7 | Vertical              | 2.19             | 10.0              | as received              | 0.0380      | MS              | 19.9 |
| 784494               | RBH06    | Not Given | 8.17      | 8.57       | C    | Brown SANDSTONE                         |         | 101.8                   | 282.7  | 2.8 | Vertical              | 2.16             | 9.0               | as received              | 0.0246      | MS              | 11.7 |
| 784502               | RBH06    | Not Given | 15.08     | 15.50      | C    | Brown SANDSTONE                         |         | 101.6                   | 276.3  | 2.7 | Vertical              | 2.15             | 10.9              | as received              | 0.0370      | MS              | 17.5 |
|                      |          |           |           |            |      |                                         |         |                         |        |     |                       |                  |                   |                          |             |                 |      |
|                      |          |           |           |            |      |                                         |         |                         |        |     |                       |                  |                   |                          |             |                 |      |
|                      |          |           |           |            |      |                                         |         |                         |        |     |                       |                  |                   |                          |             |                 |      |
|                      |          |           |           |            |      |                                         |         |                         |        |     |                       |                  |                   |                          |             |                 |      |

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:

Signed:

Katarzyna Koziel

Katarzyna Koziel  
Geotechnical Reporting Team Leader  
for and on behalf of i2 Analytical Ltd

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## Appendix E – Ground Gas Monitoring Results

**Curtins**

Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG  
Tel: 0161 236 2394  
Fax: 0161 228 7902

**Curtins****GAS MONITORING LOG SHEET**

**Project:** LFC Academy **Date:** 01/12/2025  
**Job Number:** 88269 **Visit:** 1  
**Client:** Liverpool FC **Weather:** Rain  
**Barometric State:** Rising **Ground Conditions:** Wet

| Borehole Reference | Barometric Pressure<br>mb | Flow<br>l/hr |     | Methane<br>% |     | Carbon Dioxide<br>% |      | Oxygen<br>% | Hydrogen Sulphide<br>ppm | Carbon Monoxide<br>ppm | PID | Water Level<br>m bgl | Borehole Base<br>m bgl | Note |
|--------------------|---------------------------|--------------|-----|--------------|-----|---------------------|------|-------------|--------------------------|------------------------|-----|----------------------|------------------------|------|
|                    |                           | Max          | SS  | Max          | SS  | Max                 | SS   |             |                          |                        |     |                      |                        |      |
| RBH01              | 987                       | 0.0          | 0.0 | 0.0          | 0.0 | 1.5                 | 1.5  | 10.5        | 0                        | 0                      | 1.0 | 1.35                 | 1.57                   | 1    |
| RBH02              | 987                       | 0.0          | 0.0 | 0.0          | 0.0 | 0.1                 | 0.1  | 20.0        | 0                        | 0                      | 1.0 | 2.40                 | 8.84                   |      |
| RBH03              | 998                       | 0.6          | 0.0 | 0.0          | 0.0 | 0.6                 | 0.6  | 20.0        | 0                        | 0                      | 1.0 | 3.84                 | 15.51                  |      |
| RBH04              | 987                       | 0.0          | 0.0 | 0.0          | 0.0 | 10.7                | 10.7 | 0.0         | 0                        | 0                      | 1.0 | 2.01                 | 2.30                   |      |
| RBH05              | 988                       | 0.0          | 0.0 | 0.0          | 0.0 | 1.8                 | 1.8  | 17.7        | 0                        | 0                      | 1.0 | 0.88                 | 1.56                   |      |
| RBH06              | -                         | -            | -   | -            | -   | -                   | -    | -           | -                        | -                      | -   | 2.40                 | 3.17                   | 2    |
| WS01               | -                         | -            | -   | -            | -   | -                   | -    | -           | -                        | -                      | -   | 2.07                 | 3.07                   | 2    |
| WS02               | 987                       | 0.0          | 0.0 | 0.3          | 0.3 | 7.6                 | 7.6  | 3.5         | 0                        | 0                      | 1.1 | 3.15                 | 3.17                   |      |

**Notes****Logged by**

- 1 Steady state gas flow rate of 0 achieved instantly  
2 Well Flooded

JP

1% gas volume = 10,000 ppm

Flow rate, methane and carbon dioxide reported as 'maximum' (max) and 'steady state' (SS) readings.  
All other gases recorded at 'steady state' unless otherwise stated

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**Curtins****GAS MONITORING LOG SHEET****Project:** LFC Academy**Date:** 11/12/2025**Job Number:** 88269**Visit:** 2**Client:** Liverpool FC**Weather:** Sunny**Barometric State:** Falling**Ground Conditions:** Damp

| Borehole Reference | Barometric Pressure<br>mb | Flow<br>l/hr |     | Methane<br>% |     | Carbon Dioxide<br>% |      | Oxygen<br>% | Hydrogen Sulphide<br>ppm | Carbon Monoxide<br>ppm | PID | Water Level<br>m bgl | Borehole Base<br>m bgl | Note |
|--------------------|---------------------------|--------------|-----|--------------|-----|---------------------|------|-------------|--------------------------|------------------------|-----|----------------------|------------------------|------|
|                    |                           | Max          | SS  | Max          | SS  | Max                 | SS   |             |                          |                        |     |                      |                        |      |
| RBH01              | 1009                      | 0.0          | 0.0 | 0.0          | 0.0 | 2.4                 | 2.4  | 5.30        | 0                        | 0                      | 1.0 | 1.4                  | 1.55                   | 1    |
| RBH02              | 1009                      | 3            | 0   | 0            | 0   | 0.3                 | 0.2  | 19.9        | 0                        | 0                      | 1.0 | 3.62                 | 8.84                   |      |
| RBH03              | 1009                      | 0.0          | 0.0 | 0.0          | 0.0 | 0.9                 | 0.9  | 19.70       | 0                        | 0                      | 1.0 | 3.79                 | 15.50                  |      |
| RBH04              | 1009                      | 0.4          | 0.0 | 0.0          | 0.0 | 11.3                | 11.3 | 0.10        | 0                        | 0                      | 1.0 | 1.89                 | 2.31                   | 2    |
| RBH05              | 1009                      | 0.0          | 0.0 | 0.0          | 0.0 | 0.8                 | 0.4  | 19.90       | 0                        | 0                      | 1.0 | 0.93                 | 1.50                   | 3    |
| RBH06              | 1008                      | -13.5        | 0.0 | 5.8          | 5.6 | 7.2                 | 7.2  | 0.00        | 50                       | 170                    | 4.5 | 2.85                 | 2.95                   |      |
| WS01               | 1009                      | 0.0          | 0.0 | 1.2          | 1.2 | 7.4                 | 7.4  | 0.00        | 0                        | 0                      | 1.6 | 2.84                 | 3.05                   |      |
| WS02               | 1009                      | 0.0          | 0.0 | 0.0          | 0.0 | 0.8                 | 0.2  | 19.80       | 0                        | 0                      | 1.0 | 3                    | 3.15                   |      |

**Notes**

- 1 Steady state gas flow rate of 0 achieved instantly
- 2 Steady state gas flow rate of 0 achieved after 2 seconds
- 3 Steady state gas flow rate of 0 achieved after 2 minutes

**Logged by**

JP

*1% gas volume = 10,000 ppm**Flow rate, methane and carbon dioxide reported as 'maximum' (max) and 'steady state' (SS) readings.**All other gases recorded at 'steady state' unless otherwise stated*

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**Curtins****GAS MONITORING LOG SHEET****Project:** LFC Academy**Date:** 16/12/2025**Job Number:** ###**Visit:** 3**Client:** Liverpool FC**Weather:** Sunny**Barometric State:** Rising**Ground Conditions:** Wet

| Borehole Reference | Barometric Pressure<br>mb | Flow<br>l/hr |     | Methane<br>% |     | Carbon Dioxide<br>% |     | Oxygen<br>% | Hydrogen Sulphide<br>ppm | Carbon Monoxide<br>ppm | PID | Water Level<br>m bgl | Borehole Base<br>m bgl | Note |
|--------------------|---------------------------|--------------|-----|--------------|-----|---------------------|-----|-------------|--------------------------|------------------------|-----|----------------------|------------------------|------|
|                    |                           | Max          | SS  | Max          | SS  | Max                 | SS  |             |                          |                        |     |                      |                        |      |
| RBH01              | 1007                      | 0.5          | 0.0 | 0.0          | 0.0 | 2.3                 | 2.3 | 4.1         | 0                        | 0                      | 1   | 1.12                 | 1.56                   | 1    |
| RBH02              | 1007                      | 0.0          | 0.0 | 0.0          | 0.0 | 0.3                 | 0.2 | 19.9        | 0                        | 0                      | 1   | 3.56                 | 8.84                   |      |
| RBH03              | 1008                      | 14.9         | 0.0 | 0.0          | 0.0 | 1.2                 | 1.2 | 19.7        | 0                        | 0                      | 1   | 3.70                 | 15.50                  | 2    |
| RBH04              | 1007                      | 0.0          | 0.0 | 0.0          | 0.0 | 8.4                 | 3.4 | 14.5        | 0                        | 0                      | 1   | 1.77                 | 2.25                   |      |
| RBH05              | 1008                      | 0.0          | 0.0 | 0.0          | 0.0 | 0.4                 | 0.2 | 20.2        | 0                        | 0                      | 1   | 0.83                 | 1.50                   |      |
| RBH06              | 1007                      | ###          | 0.0 | 4.2          | 4.2 | 8.9                 | 8.9 | 0.0         | 50                       | 182                    | 1.6 | 2.88                 | 2.95                   | 3    |
| WS01               | 1007                      | 0.0          | 0.0 | 0.0          | 0.0 | 7.3                 | 7.3 | 0.3         | 0                        | 0                      | 1   | 2.92                 | 3.06                   |      |
| WS02               | 1007                      | 0.0          | 0.0 | 0.0          | 0.0 | 0.4                 | 0.2 | 19.9        | 0                        | 0                      | 1   | 3.08                 | 3.14                   |      |

**Notes****Logged by**

- 1 Steady state gas flow rate of 0 achieved instantly
- 2 Steady state gas flow rate of 0 achieved after 4 minutes
- 3 Steady state gas flow rate of 0 achieved after 2 minutes and 30 seconds

JP

1% gas volume = 10,000 ppm

Flow rate, methane and carbon dioxide reported as 'maximum' (max) and 'steady state' (SS) readings.

All other gases recorded at 'steady state' unless otherwise stated

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**Curtins****GAS MONITORING LOG SHEET****Project:** LFC Academy**Date:** 06/01/2026**Job Number:** ###**Visit:** 4**Client:** Liverpool FC**Weather:** Snowing**Barometric State:** Falling**Ground Conditions:** Snow

| Borehole Reference | Barometric Pressure<br>mb | Flow<br>l/hr |     | Methane<br>% |     | Carbon Dioxide<br>% |     | Oxygen<br>% | Hydrogen Sulphide<br>ppm | Carbon Monoxide<br>ppm | PID | Water Level<br>m bgl | Borehole Base<br>m bgl | Note |
|--------------------|---------------------------|--------------|-----|--------------|-----|---------------------|-----|-------------|--------------------------|------------------------|-----|----------------------|------------------------|------|
|                    |                           | Max          | SS  | Max          | SS  | Max                 | SS  |             |                          |                        |     |                      |                        |      |
| RBH01              |                           |              |     |              |     |                     |     |             |                          |                        |     |                      |                        | 1    |
| RBH02              | 1009                      | 0.0          | 0.0 | 0.0          | 0.0 | 0.7                 | 0.6 | 19.7        | 0                        | 0                      | 1.0 | 3.56                 | 8.94                   |      |
| RBH03              | 1009                      | 0.0          | 0.0 | 0.0          | 0.0 | 2.8                 | 2.8 | 18.6        | 0                        | 0                      | 1.0 | 3.70                 | 15.50                  |      |
| RBH04              | 1009                      | 0.0          | 0.0 | 0.0          | 0.0 | 2.3                 | 2.0 | 15.5        | 0                        | 0                      | 1.0 | 2.14                 | 2.34                   |      |
| RBH05              | 1009                      | 0.0          | 0.0 | 0.0          | 0.0 | 0.9                 | 0.8 | 19.1        | 0                        | 0                      | 1.0 | 1.13                 | 1.49                   |      |
| RBH06              |                           |              |     |              |     |                     |     |             |                          |                        |     |                      |                        | 2    |
| WS01               | 1010                      | 0.0          | 0.0 | 0.0          | 0.0 | 7.4                 | 7.4 | 0.4         | 0                        | 0                      | 1.0 | 2.98                 | 3.06                   |      |
| WS02               | 1010                      | 0.0          | 0.0 | 0.0          | 0.0 | 3.1                 | 3.0 | 11.8        | 0                        | 0                      | 1.0 | 3.15                 | 3.17                   |      |

**Notes**

1 Borehole flooded and surrounded by ice which could not be broken.

2 Could not locate under the snow.

**Logged by**

RBJ

1% gas volume = 10,000 ppm

Flow rate, methane and carbon dioxide reported as 'maximum' (max) and 'steady state' (SS) readings.

All other gases recorded at 'steady state' unless otherwise stated

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**Curtins****GAS MONITORING LOG SHEET****Project:** LFC Academy**Date:** 10/03/2026**Job Number:** 88269**Visit:** 5**Client:** Liverpool FC**Weather:** Sunny**Barometric State:** Falling**Ground Conditions:** Wet

| Borehole Reference | Barometric Pressure<br>mb | Flow<br>l/hr |     | Methane<br>% |      | Carbon Dioxide<br>% |      | Oxygen<br>% | Hydrogen Sulphide<br>ppm | Carbon Monoxide<br>ppm | PID | Water Level<br>m bgl | Borehole Base<br>m bgl | Note |
|--------------------|---------------------------|--------------|-----|--------------|------|---------------------|------|-------------|--------------------------|------------------------|-----|----------------------|------------------------|------|
|                    |                           | Max          | SS  | Max          | SS   | Max                 | SS   |             |                          |                        |     |                      |                        |      |
| RBH01              | 1004                      | 0.0          | 0.0 | 0.0          | 0.0  | 4.3                 | 4.3  | 5.7         | 0                        | 0                      | 1.0 | 1.44                 | 1.56                   | 1    |
| RBH02              | 1004                      | 0.0          | 0.0 | 0.0          | 0.0  | 4.2                 | 2.4  | 19.5        | 0                        | 0                      | 1.0 | 3.38                 | 8.92                   | 1    |
| RBH03              | 1005                      | 37.6         | 0.0 | 0.0          | 0.0  | 6.9                 | 6.9  | 17.2        | 0                        | 0                      | 1.0 | 3.64                 | 13.66                  | 2    |
| RBH04              | 1004                      | 0.0          | 0.0 | 0.0          | 0.0  | 5.5                 | 5.5  | 10.3        | 0                        | 0                      | 1.0 | 2.06                 | 2.30                   | 1    |
| RBH05              | 1006                      | 0.0          | 0.0 | 0.0          | 0.0  | 0.5                 | 0.2  | 20.4        | 0                        | 0                      | 1.0 | 1.03                 | 1.50                   | 1    |
| RBH06              | 1004                      | 0.0          | 0.0 | 23.7         | 23.7 | 10.3                | 10.3 | 0.1         | 0                        | 0                      | 1.0 | 2.90                 | 2.93                   | 1    |
| WS01               | 1004                      | 0.0          | 0.0 | 2.2          | 2.2  | 7.3                 | 7.3  | 0.0         | 0                        | 0                      | 1.0 | 3.00                 | 3.06                   | 1    |
| WS02               | 1007                      | 0.0          | 0.0 | 0.0          | 0.0  | 0.8                 | 0.7  | 17.9        | 0                        | 0                      | 1.0 | DRY                  | 3.16                   | 1    |

**Notes**

- 1 Steady state gas flow achieved instantly  
2 Steady state gas flow achieved after 7 minutes

**Logged by**

RT

*1% gas volume = 10,000 ppm**Flow rate, methane and carbon dioxide reported as 'maximum' (max) and 'steady state' (SS) readings.**All other gases recorded at 'steady state' unless otherwise stated*

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**Curtins****GAS MONITORING LOG SHEET****Project:** LFC Academy**Date:** 18/03/2026**Job Number:** 88269**Visit:** 6**Client:** Liverpool FC**Weather:** Sunny**Barometric State:** Rising**Ground Conditions:** Dry

| Borehole Reference | Barometric Pressure<br>mb | Flow<br>l/hr |      | Methane<br>% |      | Carbon Dioxide<br>% |      | Oxygen<br>% | Hydrogen Sulphide<br>ppm | Carbon Monoxide<br>ppm | PID | Water Level<br>m bgl | Borehole Base<br>m bgl | Note |
|--------------------|---------------------------|--------------|------|--------------|------|---------------------|------|-------------|--------------------------|------------------------|-----|----------------------|------------------------|------|
|                    |                           | Max          | SS   | Max          | SS   | Max                 | SS   |             |                          |                        |     |                      |                        |      |
| RBH01              | 1013                      | 0.4          | 0.0  | 0.0          | 0.0  | 4.4                 | 4.3  | 6.6         | 0                        | 0                      | 1   | 1.42                 | 1.57                   | 1    |
| RBH02              | 1013                      | -2.4         | 0.0  | 0.0          | 0.0  | 4.7                 | 4.7  | 19.1        | 0                        | 0                      | 1.0 | 3.51                 | 8.85                   | 2    |
| RBH03              | 1014                      | -16.0        | -2.5 | 0.0          | 0.0  | 5.8                 | 5.8  | 17.8        | 0                        | 0                      | 1.0 | 3.69                 | 13.65                  | 2, 3 |
| RBH04              | 1013                      | 0.0          | 0.0  | 0.0          | 0.0  | 10.0                | 10.0 | 2.6         | 0                        | 0                      | 1.0 | 2.25                 | 2.28                   |      |
| RBH05              | 1015                      | 0.0          | 0.0  | 0.0          | 0.0  | 1.7                 | 1.6  | 18.4        | 0                        | 0                      | 1.0 | 1.07                 | 1.48                   |      |
| RBH06              | 1014                      | 0.0          | 0.0  | 25.8         | 25.8 | 11.0                | 11.0 | 0.0         | 0                        | 0                      | 1.8 | 2.90                 | 2.91                   |      |
| WS01               | 1013                      | 0.9          | 0.0  | 1.3          | 1.2  | 7.3                 | 7.2  | 0.9         | 0                        | 0                      | 1.6 | 2.99                 | 3.00                   | 1    |
| WS02               | 1013                      | 0.0          | 0.0  | 0.0          | 0.0  | 0.3                 | 0.3  | 19.8        | 0                        | 0                      | 1.0 | DRY                  | 3.16                   |      |

**Notes**

- 1 Steady state flow achieved immediately  
 2 Steady state flow achieved after 2 minutes  
 3 Silty at base of borehole

**Logged by**

LW

1% gas volume = 10,000 ppm

Flow rate, methane and carbon dioxide reported as 'maximum' (max) and 'steady state' (SS) readings.

All other gases recorded at 'steady state' unless otherwise stated

## Appendix F - GAC Screening Thresholds

# Human Health GQRA Rationale and Hierarchy

## Background

Detailed guidance on human health risk assessment is available within several documents, published by both the Environment Agency, Defra, CL:AIRE, LQM/CIEH and Public Health England as referenced below (references a-h).

A Generic Quantitative Risk Assessment (GQRA) is carried out for the Potential Contaminant Linkages (PCLs) investigated by screening of soil contamination data against relevant Generic Assessment Criteria where available.

Generic Assessment Criteria are available for a range of different land use scenarios, soil organic matter (SOM) and soil types. Curtins have adopted available GACs for a sandy loam soil at 1%, 2.5% and 6% SOM using various sources.

## GAC Hierarchy

A summary of and hierarchy for adopted GACs is identified below:

- i) **Category 4 Screening Levels (C4SLs):** In March 2014 Defra published C4SLs for arsenic, benzene, benzo(a)pyrene, cadmium, hexavalent chromium, and lead as part of the 'Phase 1 Project'. These values were derived to support the revised Part 2A Statutory Guidance issued in 2012 in which four categories of contaminated land are included, ranging from Category 1 (significant/high risk) to Category 4 (low risk). In 2018 the 'Phase 2 Project' commenced which aims to develop C4SLs for a range of further contaminants. Currently available Phase 2 C4SLs include vinyl chloride, trichloroethene, tetrachloroethene, naphthalene, cis-1,2 dichloroethene, trans 1, 2 dichloroethene and per / polyfluoroalkyl substances (PFAS) . Where contaminant concentrations do not exceed C4SLs, there is no risk that the land poses a significant possibility of significant harm (SPoSH) or the level of risk is low, as such land can be demonstrated to be in Category 4 and cannot be determined as contaminated land. The C4SLs are proposed to be more pragmatic (whilst still strongly precautionary) in comparison with SGVs and S4UL's outlined below.
- ii) **Suitable for Use Levels (S4ULs):** In 2015 LQM and the Chartered Institute of Environmental Health published generic assessment criteria for 89 substances including metals, BTEX, TPH, polycyclic aromatic hydrocarbons, phenols, chlorinated solvents and other volatile organic compounds. The S4ULs represent a minimal risk to long term human health, derived using health criteria values. The methodology for deriving the S4ULs is based on the Environment Agency CLEA model with consideration of developments in UK human health exposure assessment, in particular the additional land uses and exposure assumptions.
- iii) **Other Supplementary Screening Criteria:** In addition to those developed by LQM/CIEH (outlined above), other third party organisations have derived SSVs for a wider range of contaminants and land uses using the CLEA Model. Curtins have adopted these numbers where applicable, including those developed EIC/AGS/CL:AIRE and SoBRA published thresholds.

## Alternative Assessment Approaches

### PAH – Benzo(a)pyrene Surrogate Marker Assessment

In September 2017 Public Health England (PHE) (Ref. h) published guidance for the use of a surrogate marker approach to assess the risk posed by soil contamination with the genotoxic polycyclic aromatic hydrocarbons (PAHs). The guidance indicates that the use of a marker compound, such as Benzo(a)pyrene, provides a consistent indicator of the amount of 7 other genotoxic PAHs commonly tested for in soil including benz(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, indeno(123cd)pyrene and benzo(ghi)perylene.

Where PAH concentrations of these 8 no. PAHs are present within pre-determined ratios in soil, provided in the guidance, this approach is used, comparing soil concentrations of the marker compound with a Category 4 Screening Level, or site specific assessment criteria. An individual compound assessment is carried out for other PAH compounds not considered in the PHE guidance.

An individual compound assessment is carried out for all PAH compounds where pre-determined ratios are not met for the surrogate marker approach.

## Notes

Curtins Generic Assessment Criteria provide further information and notes to be read in conjunction with this assessment rationale.

# Human Health GQRA Rationale and Hierarchy



## References

- a) Environmental Agency. (2009) Contaminated Land Exposure Assessment (CLEA) v1.071 model.
- b) Environment Agency. (2009) Human Health Toxicological Assessment of Contaminants in Soil (report no. SC050021/SR2).
- c) Environment Agency. (2009) Updated Technical Background to the CLEA Model (report no.SC050021/SR3).
- d) Environment Agency (2005) The UK Approach for Evaluating Human Health Risks from Petroleum Hydrocarbons in Soils Science Report P5-080/TR3.
- e) Department of Environment Food and Rural Affairs (DEFRA). (2012) Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance (report no. PB13735).
- f) CL:AIRE (2014) Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination, SP1010 Rev 2.
- g) LQM & CIEH (2015) S4ULs for Human Health Risk Assessment.
- h) Public Health England (2017) Contaminated Land Information Sheet: Risk Assessment Approaches for Polycyclic Aromatic Hydrocarbons (PAHs)

| Contaminants                                                                                                                                                        | Residential with Home Grown Produce | Residential Without Home Grown Produce | Allotments | Commercial | Public open space (Residential) | Public park POS <sub>park</sub> | Solubility Saturation Limit (mg/kg) | Vapour Satuation Limit (mg/kg) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|------------|------------|---------------------------------|---------------------------------|-------------------------------------|--------------------------------|
| <b>Metals, Semi-Metals &amp; non-metals</b>                                                                                                                         |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Antimony                                                                                                                                                            | -                                   | 550                                    | -          | 7500       | -                               | -                               |                                     |                                |
| Arsenic                                                                                                                                                             | 37                                  | 40                                     | 49         | 640        | 79                              | 170                             |                                     |                                |
| Beryllium                                                                                                                                                           | 1.7                                 | 1.7                                    | 35         | 12         | 2.2                             | 63                              |                                     |                                |
| Boron                                                                                                                                                               | 290                                 | 11000                                  | 45         | 240000     | 21000                           | 46000                           |                                     |                                |
| Cadmium                                                                                                                                                             | 22                                  | 150                                    | 3.9        | 410        | 220                             | 880                             |                                     |                                |
| Chromium III                                                                                                                                                        | 910                                 | 910                                    | 18000      | 8600       | 1500                            | 33000                           |                                     |                                |
| Chromium VI                                                                                                                                                         | 21                                  | 21                                     | 170        | 49         | 21                              | 250                             |                                     |                                |
| Copper                                                                                                                                                              | 2400                                | 7100                                   | 520        | 68000      | 12000                           | 44000                           |                                     |                                |
| Lead                                                                                                                                                                | 200                                 | 310                                    | 80         | 2300       | 630                             | 1300                            |                                     |                                |
| Mercury (elemental)                                                                                                                                                 | 1.2                                 | 1.2                                    | 21         | 58         | 16                              | 30                              |                                     | 25.8                           |
| Mercury (inorganic)                                                                                                                                                 | 40                                  | 56                                     | 19         | 1100       | 120                             | 240                             |                                     |                                |
| Methylmercury                                                                                                                                                       | 11                                  | 15                                     | 6          | 320        | 40                              | 68                              |                                     |                                |
| Nickel                                                                                                                                                              | 130                                 | 180                                    | 53         | 980        | 230                             | 800                             |                                     |                                |
| Selenium                                                                                                                                                            | 250                                 | 430                                    | 88         | 12000      | 1100                            | 1800                            |                                     |                                |
| Vanadium                                                                                                                                                            | 410                                 | 1200                                   | 91         | 9000       | 2000                            | 5000                            |                                     |                                |
| Zinc                                                                                                                                                                | 3700                                | 40000                                  | 620        | 730000     | 81000                           | 170000                          |                                     |                                |
| <b>Inorganic Compounds</b>                                                                                                                                          |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Cyanide                                                                                                                                                             | 24                                  | 24                                     | 24         | 1400       | 24                              | 24                              |                                     |                                |
| <b>Organic contaminants</b>                                                                                                                                         |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| <b>Aliphatic Risk Banded Hydrocarbons - TPH CWG method</b>                                                                                                          |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aliphatic EC5 - EC6 TPHs                                                                                                                                            | 42                                  | 42                                     | 730        | 3200       | 570000                          | 95000                           | 304                                 |                                |
| Aliphatic EC>6 - EC8 TPHs                                                                                                                                           | 100                                 | 100                                    | 2300       | 7800       | 600000                          | 150000                          | 144                                 |                                |
| Aliphatic EC>8 - EC10 TPHs                                                                                                                                          | 27                                  | 27                                     | 320        | 2000       | 13000                           | 14000                           | 78                                  |                                |
| Aliphatic EC>10-EC12 TPHs                                                                                                                                           | 130                                 | 130                                    | 2200       | 9700       | 13000                           | 21000                           | 48                                  |                                |
| Aliphatic EC>12-EC16 TPHs                                                                                                                                           | 1100                                | 1100                                   | 11000      | 59000      | 13000                           | 25000                           | 24                                  |                                |
| Aliphatic EC>16 - EC35 TPHs                                                                                                                                         | 65000                               | 65000                                  | 260000     | 1600000    | 250000                          | 450000                          | 8.48                                |                                |
| Aliphatic EC>35 - EC44 TPHs                                                                                                                                         | 65000                               | 65000                                  | 260000     | 1600000    | 250000                          | 450000                          | 8.48                                |                                |
| <b>Aromatic Risk Banded Hydrocarbons - TPH CWG method</b>                                                                                                           |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aromatic EC5 - EC7 TPHs                                                                                                                                             | 70                                  | 370                                    | 13         | 26000      | 56000                           | 76000                           | 1220                                |                                |
| Aromatic EC>7 - EC8 TPHs                                                                                                                                            | 130                                 | 860                                    | 22         | 56000      | 56000                           | 87000                           |                                     | 869                            |
| Aromatic EC>8 - EC10 TPHs                                                                                                                                           | 34                                  | 47                                     | 8.6        | 3500       | 5000                            | 7200                            |                                     | 613                            |
| Aromatic EC10 - EC12 TPHs                                                                                                                                           | 74                                  | 250                                    | 13         | 16000      | 5000                            | 9200                            | 364                                 |                                |
| Aromatic EC12 - EC16 TPHs                                                                                                                                           | 140                                 | 1800                                   | 23         | 36000      | 5100                            | 10000                           | 169                                 |                                |
| Aromatic EC>16 - EC21 TPHs                                                                                                                                          | 260                                 | 1900                                   | 46         | 28000      | 3800                            | 7600                            |                                     |                                |
| Aromatic EC>21 - EC35 TPHs                                                                                                                                          | 1100                                | 1900                                   | 370        | 28000      | 3800                            | 7800                            |                                     |                                |
| Aromatic EC>35 - EC44 TPHs                                                                                                                                          | 1100                                | 1900                                   | 370        | 28000      | 3800                            | 7800                            |                                     |                                |
| <b>Long Chain Aliphatic and Aromatic Hydrocarbons</b>                                                                                                               |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aliphatic and Aromatic EC >44-70                                                                                                                                    | 1600                                | 1900                                   | 1200       | 28000      | 3800                            | 7800                            |                                     |                                |
| <b>Aromatic Hydrocarbons</b>                                                                                                                                        |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Benzene                                                                                                                                                             | 0.2                                 | 0.89                                   | 0.039      | 27         | 140                             | 190                             |                                     |                                |
| Ethyl benzene                                                                                                                                                       | 47                                  | 83                                     | 16         | 5700       | 24000                           | 17000                           |                                     | 518                            |
| Toluene                                                                                                                                                             | 130                                 | 880                                    | 22         | 56000      | 56000                           | 87000                           |                                     | 869                            |
| Xylene                                                                                                                                                              | 56                                  | 79                                     | 28         | 5900       | 41000                           | 17000                           | 478 (o-xylene)<br>576 (p-xylene)    | 625 (m-xylene)                 |
| MTBE                                                                                                                                                                | 49                                  | 73                                     | 23         | 7900       |                                 |                                 | 20400                               |                                |
| Phenol                                                                                                                                                              | 280                                 | 750                                    | 66         | 760        | 760                             | 760                             |                                     |                                |
| <b>Polycyclic Aromatic Hydrocarbons (PAH) - Benzo(a)pyrene Surrogate Marker Approach, with reference to C4SL PAH Surrogate Marker Check Sheet where appropriate</b> |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Benzo(a)Pyrene (C4SL Surrogate Marker Approach)                                                                                                                     | 5                                   | 5.3                                    | 5.7        | 77         | 10                              | 21                              |                                     |                                |
| Naphthalene                                                                                                                                                         | 15                                  | 15                                     | 65         | 1600       | 11000                           | 800                             | 76.4                                |                                |
| Acenaphthylene                                                                                                                                                      | 170                                 | 2900                                   | 28         | 83000      | 15000                           | 29000                           | 86.1                                |                                |
| Acenaphthene                                                                                                                                                        | 210                                 | 3000                                   | 34         | 84000      | 15000                           | 29000                           | 57                                  |                                |
| Fluorene                                                                                                                                                            | 170                                 | 2800                                   | 27         | 63000      | 9900                            | 20000                           | 30.9                                |                                |
| Phenanthrene                                                                                                                                                        | 95                                  | 1300                                   | 15         | 22000      | 3100                            | 6200                            | 36                                  |                                |
| Anthracene                                                                                                                                                          | 2400                                | 31000                                  | 380        | 520000     | 74000                           | 150000                          |                                     | 1.17                           |
| Fluoranthene                                                                                                                                                        | 280                                 | 1500                                   | 52         | 23000      | 3100                            | 6300                            |                                     |                                |
| Pyrene                                                                                                                                                              | 620                                 | 3700                                   | 110        | 54000      | 7400                            | 15000                           |                                     |                                |
| <b>Polycyclic Aromatic Hydrocarbons (PAH) - Individual Compound Assessment</b>                                                                                      |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Naphthalene                                                                                                                                                         | 15                                  | 15                                     | 65         | 1600       | 11000                           | 800                             | 76.4                                |                                |
| Acenaphthylene                                                                                                                                                      | 170                                 | 2900                                   | 28         | 83000      | 15000                           | 29000                           | 86.1                                |                                |
| Acenaphthene                                                                                                                                                        | 210                                 | 3000                                   | 34         | 84000      | 15000                           | 29000                           | 57                                  |                                |
| Fluorene                                                                                                                                                            | 170                                 | 2800                                   | 27         | 63000      | 9900                            | 20000                           | 30.9                                |                                |
| Phenanthrene                                                                                                                                                        | 95                                  | 1300                                   | 15         | 22000      | 3100                            | 6200                            | 36                                  |                                |
| Anthracene                                                                                                                                                          | 2400                                | 31000                                  | 380        | 520000     | 74000                           | 150000                          |                                     | 1.17                           |
| Fluoranthene                                                                                                                                                        | 280                                 | 1500                                   | 52         | 23000      | 3100                            | 6300                            |                                     |                                |
| Pyrene                                                                                                                                                              | 620                                 | 3700                                   | 110        | 54000      | 7400                            | 15000                           |                                     |                                |
| Benzo(a)anthracene                                                                                                                                                  | 7.2                                 | 11                                     | 2.9        | 170        | 29                              | 49                              |                                     |                                |
| Chrysene                                                                                                                                                            | 15                                  | 30                                     | 4.1        | 350        | 57                              | 93                              |                                     |                                |
| Benzo(b)fluoranthene                                                                                                                                                | 2.6                                 | 3.9                                    | 0.99       | 44         | 7.1                             | 13                              |                                     |                                |
| Benzo(k)fluoranthene                                                                                                                                                | 77                                  | 110                                    | 37         | 1200       | 190                             | 370                             |                                     |                                |
| Benzo(a)pyrene (only)                                                                                                                                               | 2.2                                 | 3.2                                    | 0.97       | 35         | 5.7                             | 11                              |                                     |                                |
| Indeno(123cd)pyrene                                                                                                                                                 | 27                                  | 45                                     | 9.5        | 500        | 82                              | 150                             |                                     |                                |
| Dibenzo(ah)anthracene                                                                                                                                               | 0.24                                | 0.31                                   | 0.14       | 3.5        | 0.57                            | 1.1                             |                                     |                                |
| Benzo(ghi)perylene                                                                                                                                                  | 320                                 | 360                                    | 290        | 3900       | 640                             | 1400                            |                                     |                                |
| <b>Chlorinated Aliphatic Hydrocarbons</b>                                                                                                                           |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Chloroethene (Vinyl chloride)                                                                                                                                       | 0.0064                              | 0.015                                  | 0.0017     | 1.1        | 7.8                             | 18                              |                                     |                                |
| 1,1-Dichloroethene (DCE)                                                                                                                                            | 0.23                                | 0.23                                   | 2.8        | 26         |                                 |                                 | 2230                                |                                |
| Cis 1,2, Dichloroethene (DCE)                                                                                                                                       | 0.46                                | 0.5                                    | 0.89       | 38         | 3800                            | 2800                            | 3940                                |                                |
| Trans 1,2, Dichloroethene (DCE)                                                                                                                                     | 0.9                                 | 0.93                                   | 3.7        | 69         | 13000                           | 5600                            | 3420                                |                                |
| Trichloroethene (TCE)                                                                                                                                               | 0.0093                              | 0.0097                                 | 0.032      | 0.73       | 76                              | 41                              |                                     |                                |
| Tetrachloroethene (PCE)                                                                                                                                             | 0.31                                | 0.32                                   | 2          | 24         | 3200                            | 1400                            |                                     |                                |
| 1,1,1,2 Tetrachloroethane                                                                                                                                           | 1.2                                 | 1.5                                    | 0.79       | 110        | 1400                            | 1500                            |                                     |                                |
| 1,1,1 Trichloroethane                                                                                                                                               | 8.8                                 | 9                                      | 48         | 660        | 140000                          | 57000                           |                                     | 1425                           |
| 1,2-Dichloroethane (Ethylene Dichloride)                                                                                                                            | 0.11                                | 0.16                                   | 0.054      | 12         | 300                             | 300                             |                                     |                                |
| Tetrachloromethane                                                                                                                                                  | 0.026                               | 0.026                                  | 0.45       | 2.9        | 890                             | 190                             |                                     |                                |
| Trichloromethane (Chloroform)                                                                                                                                       | 0.91                                | 1.2                                    | 0.42       | 99         | 2500                            | 2600                            |                                     |                                |
| <b>Per- and Polyfluoroalkyl Substances (PFAS)</b>                                                                                                                   |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                       | 0.0076                              | 0.041                                  | 0.0014     | 0.6        | 0.079                           | 0.17                            |                                     |                                |
| Perfluorononanoic Acid (PFNA)                                                                                                                                       | 0.013                               | 0.041                                  | 0.0027     | 0.6        | 0.079                           | 0.17                            |                                     |                                |
| Perfluorohexane Sulfonic Acid (PFHxS)                                                                                                                               | 0.0081                              | 0.041                                  | 0.0015     | 0.6        | 0.079                           | 0.17                            |                                     |                                |
| Perfluorooctane Sulfonic Acid (PFOS)                                                                                                                                | 0.0073                              | 0.041                                  | 0.0013     | 0.6        | 0.079                           | 0.17                            |                                     |                                |

| Contaminants                                                                                                                                                 | Residential with Home Grown Produce | Residential Without Home Grown Produce | Allotments | Commercial | Public open space (Residential) | Public park POS <sub>park</sub> | Solubility Saturation Limit (mg/kg) | Vapour Satuation Limit (mg/kg) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|------------|------------|---------------------------------|---------------------------------|-------------------------------------|--------------------------------|
| Metals, Semi-Metals & non-metals                                                                                                                             |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Antimony                                                                                                                                                     |                                     | 550                                    |            | 7500       |                                 |                                 |                                     |                                |
| Arsenic                                                                                                                                                      | 37                                  | 40                                     | 49         | 640        | 79                              | 170                             |                                     |                                |
| Beryllium                                                                                                                                                    | 1.7                                 | 1.7                                    | 35         | 12         | 2.2                             | 63                              |                                     |                                |
| Boron                                                                                                                                                        | 290                                 | 11000                                  | 45         | 240000     | 21000                           | 46000                           |                                     |                                |
| Cadmium                                                                                                                                                      | 22                                  | 150                                    | 3.9        | 410        | 220                             | 880                             |                                     |                                |
| Chromium III                                                                                                                                                 | 910                                 | 910                                    | 18000      | 8600       | 1500                            | 33000                           |                                     |                                |
| Chromium VI                                                                                                                                                  | 21                                  | 21                                     | 170        | 49         | 21                              | 250                             |                                     |                                |
| Copper                                                                                                                                                       | 2400                                | 7100                                   | 520        | 68000      | 12000                           | 44000                           |                                     |                                |
| Lead                                                                                                                                                         | 200                                 | 310                                    | 80         | 2300       | 630                             | 1300                            |                                     |                                |
| Mercury (elemental)                                                                                                                                          | 1.2                                 | 1.2                                    | 21         | 58         | 16                              | 30                              |                                     | 25.8                           |
| Mercury (inorganic)                                                                                                                                          | 40                                  | 56                                     | 19         | 1100       | 120                             | 240                             |                                     |                                |
| Methylmercury                                                                                                                                                | 11                                  | 15                                     | 6          | 320        | 40                              | 68                              |                                     |                                |
| Nickel                                                                                                                                                       | 130                                 | 180                                    | 53         | 980        | 230                             | 800                             |                                     |                                |
| Selenium                                                                                                                                                     | 250                                 | 430                                    | 88         | 12000      | 1100                            | 1800                            |                                     |                                |
| Vanadium                                                                                                                                                     | 410                                 | 1200                                   | 91         | 9000       | 2000                            | 5000                            |                                     |                                |
| Zinc                                                                                                                                                         | 3700                                | 40000                                  | 620        | 730000     | 81000                           | 170000                          |                                     |                                |
| Inorganic Compounds                                                                                                                                          |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Cyanide                                                                                                                                                      | 24                                  | 24                                     | 24         | 1400       | 24                              | 24                              |                                     |                                |
| Organic contaminants                                                                                                                                         |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aliphatic Risk Banded Hydrocarbons - TPH CWG method                                                                                                          |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aliphatic EC5 - EC6 TPHs                                                                                                                                     | 78                                  | 78                                     | 1700       | 5900       | 590000                          | 130000                          | 558                                 |                                |
| Aliphatic EC>6 - EC8 TPHs                                                                                                                                    | 230                                 | 230                                    | 5600       | 17000      | 610000                          | 220000                          | 322                                 |                                |
| Aliphatic EC>8 - EC10 TPHs                                                                                                                                   | 65                                  | 65                                     | 770        | 4800       | 13000                           | 18000                           |                                     | 190                            |
| Aliphatic EC>10-EC12 TPHs                                                                                                                                    | 330                                 | 330                                    | 4400       | 23000      | 13000                           | 23000                           |                                     | 118                            |
| Aliphatic EC>12-EC16 TPHs                                                                                                                                    | 2400                                | 2400                                   | 13000      | 82000      | 13000                           | 25000                           | 59                                  |                                |
| Aliphatic EC>16 - EC35 TPHs                                                                                                                                  | 92000                               | 92000                                  | 270000     | 1700000    | 250000                          | 480000                          | 21                                  |                                |
| Aliphatic EC>35 - EC44 TPHs                                                                                                                                  | 92000                               | 92000                                  | 270000     | 1700000    | 250000                          | 480000                          | 21                                  |                                |
| Aromatic Risk Banded Hydrocarbons - TPH CWG method                                                                                                           |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aromatic EC5 - EC7 TPHs                                                                                                                                      | 140                                 | 690                                    | 27         | 46000      | 56000                           | 84000                           | 2260                                |                                |
| Aromatic EC>7 - EC8 TPHs                                                                                                                                     | 290                                 | 1800                                   | 51         | 110000     | 56000                           | 95000                           | 1920                                |                                |
| Aromatic EC>8 - EC10 TPHs                                                                                                                                    | 83                                  | 110                                    | 21         | 8100       | 5000                            | 8500                            |                                     | 1500                           |
| Aromatic EC10 - EC12 TPHs                                                                                                                                    | 180                                 | 590                                    | 31         | 28000      | 5000                            | 9700                            | 899                                 |                                |
| Aromatic EC12 - EC16 TPHs                                                                                                                                    | 330                                 | 2300                                   | 57         | 37000      | 5100                            | 10000                           | 419                                 |                                |
| Aromatic EC>16 - EC21 TPHs                                                                                                                                   | 540                                 | 1900                                   | 110        | 28000      | 3800                            | 7700                            |                                     |                                |
| Aromatic EC>21 - EC35 TPHs                                                                                                                                   | 1500                                | 1900                                   | 820        | 28000      | 3800                            | 7800                            |                                     |                                |
| Aromatic EC>35 - EC44 TPHs                                                                                                                                   | 1500                                | 1900                                   | 820        | 28000      | 3800                            | 7800                            |                                     |                                |
| Long Chain Aliphatic and Aromatic Hydrocarbons                                                                                                               |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aliphatic and Aromatic EC >44-70                                                                                                                             | 1800                                | 1900                                   | 2100       | 28000      | 3800                            | 7800                            |                                     |                                |
| Aromatic Hydrocarbons                                                                                                                                        |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Benzene                                                                                                                                                      | 0.17                                | 0.7                                    | 0.034      | 47         | 72                              | 100                             |                                     |                                |
| Ethyl benzene                                                                                                                                                | 110                                 | 190                                    | 39         | 13000      | 24000                           | 22000                           |                                     | 1220                           |
| Toluene                                                                                                                                                      | 290                                 | 1900                                   | 51         | 110000     | 56000                           | 95000                           |                                     | 1920                           |
| Xylene                                                                                                                                                       | 130                                 | 180                                    | 67         | 14000      | 42000                           | 23000                           | 1120                                | 1470                           |
| MTBE                                                                                                                                                         | 84                                  | 120                                    | 44         | 13000      |                                 |                                 | 33100                               |                                |
| Phenol                                                                                                                                                       | 550                                 | 1300                                   | 140        | 1500       | 1500                            | 1500                            |                                     |                                |
| Polycyclic Aromatic Hydrocarbons (PAH) - Benzo(a)pyrene Surrogate Marker Approach, with reference to C4SL PAH Surrogate Marker Check Sheet where appropriate |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Benzo(a)Pyrene (C4SL Surrogate Marker Approach)                                                                                                              | 5                                   | 5.3                                    | 5.7        | 77         | 10                              | 21                              |                                     |                                |
| Naphthalene                                                                                                                                                  | 36                                  | 36                                     | 130        | 3700       | 15000                           | 1200                            | 183                                 |                                |
| Acenaphthylene                                                                                                                                               | 420                                 | 4600                                   | 69         | 97000      | 15000                           | 30000                           | 212                                 |                                |
| Acenaphthene                                                                                                                                                 | 510                                 | 4700                                   | 85         | 97000      | 15000                           | 30000                           | 141                                 |                                |
| Fluorene                                                                                                                                                     | 400                                 | 3800                                   | 67         | 68000      | 9900                            | 20000                           | 76.5                                |                                |
| Phenanthrene                                                                                                                                                 | 220                                 | 1500                                   | 38         | 22000      | 3100                            | 6200                            |                                     |                                |
| Anthracene                                                                                                                                                   | 5400                                | 35000                                  | 950        | 540000     | 74000                           | 150000                          |                                     |                                |
| Fluoranthene                                                                                                                                                 | 560                                 | 1600                                   | 130        | 23000      | 3100                            | 6300                            |                                     |                                |
| Pyrene                                                                                                                                                       | 1200                                | 3800                                   | 270        | 54000      | 7400                            | 15000                           |                                     |                                |
| Polycyclic Aromatic Hydrocarbons (PAH) - Individual Compound Assessment                                                                                      |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Naphthalene                                                                                                                                                  | 36                                  | 36                                     | 130        | 3700       | 15000                           | 1200                            | 183                                 |                                |
| Acenaphthylene                                                                                                                                               | 420                                 | 4600                                   | 69         | 97000      | 15000                           | 30000                           | 212                                 |                                |
| Acenaphthene                                                                                                                                                 | 510                                 | 4700                                   | 85         | 97000      | 15000                           | 30000                           | 141                                 |                                |
| Fluorene                                                                                                                                                     | 400                                 | 3800                                   | 67         | 68000      | 9900                            | 20000                           | 76.5                                |                                |
| Phenanthrene                                                                                                                                                 | 220                                 | 1500                                   | 38         | 22000      | 3100                            | 6200                            |                                     |                                |
| Anthracene                                                                                                                                                   | 5400                                | 35000                                  | 950        | 540000     | 74000                           | 150000                          |                                     |                                |
| Fluoranthene                                                                                                                                                 | 560                                 | 1600                                   | 130        | 23000      | 3100                            | 6300                            |                                     |                                |
| Pyrene                                                                                                                                                       | 1200                                | 3800                                   | 270        | 54000      | 7400                            | 15000                           |                                     |                                |
| Benzo(a)anthracene                                                                                                                                           | 11                                  | 14                                     | 6.5        | 170        | 29                              | 56                              |                                     |                                |
| Chrysene                                                                                                                                                     | 22                                  | 31                                     | 9.4        | 350        | 57                              | 110                             |                                     |                                |
| Benzo(b)fluoranthene                                                                                                                                         | 3.3                                 | 4                                      | 2.1        | 44         | 7.2                             | 15                              |                                     |                                |
| Benzo(k)fluoranthene                                                                                                                                         | 93                                  | 110                                    | 75         | 1200       | 190                             | 410                             |                                     |                                |
| Benzo(a)pyrene (only)                                                                                                                                        | 2.7                                 | 3.2                                    | 2          | 35         | 5.7                             | 12                              |                                     |                                |
| Indeno(123cd)pyrene                                                                                                                                          | 36                                  | 46                                     | 21         | 510        | 82                              | 170                             |                                     |                                |
| Dibenzo(ah)anthracene                                                                                                                                        | 0.28                                | 0.32                                   | 0.27       | 3.6        | 0.57                            | 1.3                             |                                     |                                |
| Benzo(ghi)perylene                                                                                                                                           | 340                                 | 360                                    | 470        | 4000       | 640                             | 1500                            |                                     |                                |
| Chlorinated Aliphatic Hydrocarbons                                                                                                                           |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Chloroethene (Vinyl chloride)                                                                                                                                | 0.01                                | 0.019                                  | 0.0031     | 1.4        | 7.8                             | 19                              |                                     |                                |
| 1,1-Dichloroethene (DCE)                                                                                                                                     | 0.4                                 | 0.41                                   | 5.6        | 46         |                                 |                                 | 3940                                |                                |
| Cis 1,2, Dichloroethene (DCE)                                                                                                                                | 0.78                                | 0.84                                   | 1.7        | 64         | 3800                            | 2400                            | 6610                                |                                |
| Trans 1,2, Dichloroethene (DCE)                                                                                                                              | 1.6                                 | 1.7                                    | 0.75       | 120        | 13000                           | 7000                            | 6170                                |                                |
| Trichloroethene (TCE)                                                                                                                                        | 0.02                                | 0.02                                   | 0.072      | 1.5        | 78                              | 54                              |                                     |                                |
| Tetrachlorethene (PCE)                                                                                                                                       | 0.7                                 | 0.71                                   | 4.8        | 55         | 3300                            | 1900                            |                                     |                                |
| 1,1,1,2 Tetrachlorethane                                                                                                                                     | 2.8                                 | 3.5                                    | 1.9        | 250        | 1400                            | 1800                            |                                     |                                |
| 1,1,1 Trichlorethane                                                                                                                                         | 18                                  | 18                                     | 110        | 1300       | 140000                          | 76000                           |                                     | 2915                           |
| 1,2-Dichloroethane (Ethylene Dichloride)                                                                                                                     | 0.18                                | 0.24                                   | 0.1        | 17         | 210                             | 330                             |                                     |                                |
| Tetrachloromethane                                                                                                                                           | 0.056                               | 0.056                                  | 1          | 6.3        | 920                             | 270                             |                                     |                                |
| Trichloromethane                                                                                                                                             | 1.7                                 | 2.1                                    | 0.83       | 170        | 2500                            | 2800                            |                                     |                                |
| PFAS                                                                                                                                                         |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                | 0.0076                              | 0.041                                  | 0.0014     | 0.6        | 0.079                           | 0.17                            |                                     |                                |
| Perfluorononanoic Acid (PFNA)                                                                                                                                | 0.013                               | 0.041                                  | 0.0027     | 0.6        | 0.079                           | 0.17                            |                                     |                                |
| Perfluorohexane Sulfonic Acid (PFHxS)                                                                                                                        | 0.0081                              | 0.041                                  | 0.0015     | 0.6        | 0.079                           | 0.17                            |                                     |                                |
| Perfluorooctane Sulfonic Acid (PFOS)                                                                                                                         | 0.0073                              | 0.041                                  | 0.0013     | 0.6        | 0.079                           | 0.17                            |                                     |                                |

| Contaminants                                                                                                                                                 | Residential with Home Grown Produce | Residential Without Home Grown Produce | Allotments | Commercial | Public open space (Residential) | Public park POS <sub>park</sub> | Solubility Saturation Limit (mg/kg) | Vapour Satuation Limit (mg/kg) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|------------|------------|---------------------------------|---------------------------------|-------------------------------------|--------------------------------|
| Metals, Semi-Metals & non-metals                                                                                                                             |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Antimony                                                                                                                                                     |                                     | 550                                    |            | 7500       |                                 |                                 |                                     |                                |
| Arsenic                                                                                                                                                      | 37                                  | 40                                     | 49         | 640        | 79                              | 170                             |                                     |                                |
| Beryllium                                                                                                                                                    | 1.7                                 | 1.7                                    | 35         | 12         | 2.2                             | 63                              |                                     |                                |
| Boron                                                                                                                                                        | 290                                 | 11000                                  | 45         | 240000     | 21000                           | 46000                           |                                     |                                |
| Cadmium                                                                                                                                                      | 22                                  | 150                                    | 3.9        | 410        | 220                             | 880                             |                                     |                                |
| Chromium III                                                                                                                                                 | 910                                 | 910                                    | 18000      | 8600       | 1500                            | 33000                           |                                     |                                |
| Chromium VI                                                                                                                                                  | 21                                  | 21                                     | 170        | 49         | 21                              | 250                             |                                     |                                |
| Copper                                                                                                                                                       | 2400                                | 7100                                   | 520        | 68000      | 12000                           | 44000                           |                                     |                                |
| Lead                                                                                                                                                         | 200                                 | 310                                    | 80         | 2300       | 630                             | 1300                            |                                     |                                |
| Mercury (elemental)                                                                                                                                          | 1.2                                 | 1.2                                    | 21         | 58         | 16                              | 30                              |                                     | 25.8                           |
| Mercury (inorganic)                                                                                                                                          | 40                                  | 56                                     | 19         | 1100       | 120                             | 240                             |                                     |                                |
| Methylmercury                                                                                                                                                | 11                                  | 15                                     | 6          | 320        | 40                              | 68                              |                                     |                                |
| Nickel                                                                                                                                                       | 130                                 | 180                                    | 53         | 980        | 230                             | 800                             |                                     |                                |
| Selenium                                                                                                                                                     | 250                                 | 430                                    | 88         | 12000      | 1100                            | 1800                            |                                     |                                |
| Vanadium                                                                                                                                                     | 410                                 | 1200                                   | 91         | 9000       | 2000                            | 5000                            |                                     |                                |
| Zinc                                                                                                                                                         | 3700                                | 40000                                  | 620        | 730000     | 81000                           | 170000                          |                                     |                                |
| Inorganic Compounds                                                                                                                                          |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Cyanide                                                                                                                                                      | 24                                  | 24                                     | 24         | 1400       | 24                              | 24                              |                                     |                                |
| Organic Compounds                                                                                                                                            |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aliphatic Risk Banded Hydrocarbons - TPH CWG method                                                                                                          |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aliphatic EC5 - EC6 TPHs                                                                                                                                     | 160                                 | 160                                    | 3900       | 12000      | 600000                          | 180000                          | 1150                                |                                |
| Aliphatic EC>6 - EC8 TPHs                                                                                                                                    | 530                                 | 530                                    | 13000      | 40000      | 620000                          | 320000                          | 736                                 |                                |
| Aliphatic EC>8 - EC10 TPHs                                                                                                                                   | 150                                 | 150                                    | 1700       | 11000      | 13000                           | 21000                           |                                     | 451                            |
| Aliphatic EC>10-EC12 TPHs                                                                                                                                    | 760                                 | 770                                    | 7300       | 47000      | 13000                           | 24000                           |                                     | 283                            |
| Aliphatic EC>12-EC16 TPHs                                                                                                                                    | 4300                                | 4400                                   | 13000      | 90000      | 13000                           | 26000                           | 142                                 |                                |
| Aliphatic EC>16 - EC35 TPHs                                                                                                                                  | 110000                              | 110000                                 | 270000     | 1800000    | 250000                          | 490000                          |                                     |                                |
| Aliphatic EC>35 - EC44 TPHs                                                                                                                                  | 110000                              | 110000                                 | 270000     | 1800000    | 250000                          | 490000                          |                                     |                                |
| Aromatic Risk Banded Hydrocarbons - TPH CWG method                                                                                                           |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aromatic EC5 - EC7 TPHs                                                                                                                                      | 300                                 | 1400                                   | 57         | 86000      | 56000                           | 92000                           | 4710                                |                                |
| Aromatic EC>7 - EC8 TPHs                                                                                                                                     | 660                                 | 3900                                   | 120        | 180000     | 56000                           | 100000                          |                                     | 4360                           |
| Aromatic EC>8 - EC10 TPHs                                                                                                                                    | 190                                 | 270                                    | 51         | 17000      | 5000                            | 9300                            |                                     | 3590                           |
| Aromatic EC10 - EC12 TPHs                                                                                                                                    | 380                                 | 1200                                   | 74         | 34000      | 5000                            | 10000                           | 2150                                |                                |
| Aromatic EC12 - EC16 TPHs                                                                                                                                    | 660                                 | 2500                                   | 130        | 38000      | 5000                            | 10000                           |                                     |                                |
| Aromatic EC>16 - EC21 TPHs                                                                                                                                   | 930                                 | 1900                                   | 260        | 28000      | 3800                            | 7800                            |                                     |                                |
| Aromatic EC>21 - EC35 TPHs                                                                                                                                   | 1700                                | 1900                                   | 1600       | 28000      | 3800                            | 7900                            |                                     |                                |
| Aromatic EC>35 - EC44 TPHs                                                                                                                                   | 1700                                | 1900                                   | 1600       | 28000      | 3800                            | 7900                            |                                     |                                |
| Long Chain Aliphatic and Aromatic Hydrocarbons                                                                                                               |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Aliphatic and Aromatic EC >44-70                                                                                                                             | 1900                                | 1900                                   | 3000       | 28000      | 3800                            | 7900                            |                                     |                                |
| Aromatic Hydrocarbons                                                                                                                                        |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Benzene                                                                                                                                                      | 0.87                                | 3.3                                    | 0.18       | 98         | 140                             | 230                             |                                     |                                |
| Ethyl benzene                                                                                                                                                | 260                                 | 440                                    | 91         | 27000      | 25000                           | 27000                           |                                     | 2840                           |
| Toluene                                                                                                                                                      | 690                                 | 3900                                   | 120        | 180000     | 56000                           | 100000                          |                                     | 4360                           |
| Xylene                                                                                                                                                       | 310                                 | 430                                    | 160        | 30000      | 43000                           | 31000                           | 2620                                |                                |
| MTBE                                                                                                                                                         | 160                                 | 220                                    | 90         | 24000      |                                 |                                 | 62700                               |                                |
| Phenol                                                                                                                                                       | 420                                 | 2300                                   | 280        | 3200       | 3200                            | 3200                            |                                     |                                |
| Polycyclic Aromatic Hydrocarbons (PAH) - Benzo(a)pyrene Surrogate Marker Approach, with reference to C4SL PAH Surrogate Marker Check Sheet where appropriate |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Benzo(a)Pyrene (C4SL Surrogate Marker Approach)                                                                                                              | 5                                   | 5.3                                    | 5.7        | 77         | 10                              | 21                              |                                     |                                |
| Naphthalene                                                                                                                                                  | 85                                  | 85                                     | 200        | 8400       | 17000                           | 1900                            | 432                                 |                                |
| Acenaphthylene                                                                                                                                               | 920                                 | 6000                                   | 160        | 100000     | 15000                           | 30000                           | 506                                 |                                |
| Acenaphthene                                                                                                                                                 | 1100                                | 6000                                   | 200        | 100000     | 15000                           | 30000                           | 336                                 |                                |
| Fluorene                                                                                                                                                     | 860                                 | 4500                                   | 160        | 71000      | 9900                            | 20000                           | 183                                 |                                |
| Phenanthrene                                                                                                                                                 | 440                                 | 1500                                   | 90         | 23000      | 3100                            | 6300                            |                                     |                                |
| Anthracene                                                                                                                                                   | 11000                               | 37000                                  | 2200       | 540000     | 74000                           | 150000                          |                                     |                                |
| Fluoranthene                                                                                                                                                 | 890                                 | 1600                                   | 290        | 23000      | 3100                            | 6400                            |                                     |                                |
| Pyrene                                                                                                                                                       | 2000                                | 3800                                   | 620        | 54000      | 7400                            | 15000                           |                                     |                                |
| Polycyclic Aromatic Hydrocarbons (PAH) - Individual Compound Assessment                                                                                      |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Naphthalene                                                                                                                                                  | 85                                  | 85                                     | 200        | 8400       | 17000                           | 1900                            | 432                                 |                                |
| Acenaphthylene                                                                                                                                               | 920                                 | 6000                                   | 160        | 100000     | 15000                           | 30000                           | 506                                 |                                |
| Acenaphthene                                                                                                                                                 | 1100                                | 6000                                   | 200        | 100000     | 15000                           | 30000                           | 336                                 |                                |
| Fluorene                                                                                                                                                     | 860                                 | 4500                                   | 160        | 71000      | 9900                            | 20000                           | 183                                 |                                |
| Phenanthrene                                                                                                                                                 | 440                                 | 1500                                   | 90         | 23000      | 3100                            | 6300                            |                                     |                                |
| Anthracene                                                                                                                                                   | 11000                               | 37000                                  | 2200       | 540000     | 74000                           | 150000                          |                                     |                                |
| Fluoranthene                                                                                                                                                 | 890                                 | 1600                                   | 290        | 23000      | 3100                            | 6400                            |                                     |                                |
| Pyrene                                                                                                                                                       | 2000                                | 3800                                   | 620        | 54000      | 7400                            | 15000                           |                                     |                                |
| Benzo(a)anthracene                                                                                                                                           | 13                                  | 15                                     | 13         | 180        | 29                              | 62                              |                                     |                                |
| Chrysene                                                                                                                                                     | 27                                  | 32                                     | 19         | 350        | 57                              | 120                             |                                     |                                |
| Benzo(b)fluoranthene                                                                                                                                         | 3.7                                 | 4                                      | 3.9        | 45         | 7.2                             | 16                              |                                     |                                |
| Benzo(k)fluoranthene                                                                                                                                         | 100                                 | 110                                    | 130        | 1200       | 190                             | 440                             |                                     |                                |
| Benzo(a)pyrene (only)                                                                                                                                        | 3                                   | 3.2                                    | 3.5        | 36         | 5.7                             | 13                              |                                     |                                |
| Indeno(123cd)pyrene                                                                                                                                          | 41                                  | 46                                     | 39         | 510        | 82                              | 180                             |                                     |                                |
| Dibenzo(ah)anthracene                                                                                                                                        | 0.3                                 | 0.32                                   | 0.43       | 3.6        | 0.58                            | 1.4                             |                                     |                                |
| Benzo(ghi)perylene                                                                                                                                           | 350                                 | 360                                    | 640        | 4000       | 640                             | 1600                            |                                     |                                |
| Chlorinated Aliphatic Hydrocarbons                                                                                                                           |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Chloroethene (Vinyl chloride)                                                                                                                                | 0.017                               | 0.029                                  | 0.0058     | 2.2        | 7.8                             | 19                              |                                     |                                |
| 1,1-Dichloroethene (DCE)                                                                                                                                     | 0.82                                | 0.82                                   | 12         | 92         |                                 |                                 | 7940                                |                                |
| Cis 1,2, Dichloroethene (DCE)                                                                                                                                | 1.5                                 | 1.6                                    | 3.6        | 120        | 3900                            | 3100                            | 12900                               |                                |
| Trans 1,2, Dichloroethene (DCE)                                                                                                                              | 3.3                                 | 3.4                                    | 16         | 260        | 13000                           | 9100                            | 12600                               |                                |
| Trichloroethene (TCE)                                                                                                                                        | 0.043                               | 0.045                                  | 0.16       | 3.4        | 79                              | 69                              |                                     |                                |
| Tetrachloroethene (PCE)                                                                                                                                      | 1.6                                 | 1.6                                    | 11         | 130        | 3400                            | 2500                            |                                     |                                |
| 1,1,1,2 Tetrachloroethane                                                                                                                                    | 6.4                                 | 8.2                                    | 4.4        | 560        | 1400                            | 2100                            |                                     |                                |
| 1,1,1 Trichloroethane                                                                                                                                        | 39                                  | 40                                     | 240        | 3000       | 140000                          | 100000                          |                                     | 6392                           |
| 1,2-Dichloroethane (Ethylene Dichloride)                                                                                                                     | 0.31                                | 0.41                                   | 0.19       | 29         | 310                             | 380                             |                                     |                                |
| Tetrachloromethane                                                                                                                                           | 0.13                                | 0.13                                   | 2.4        | 14         | 950                             | 400                             |                                     |                                |
| Trichloromethane                                                                                                                                             | 3.4                                 | 4.2                                    | 1.7        | 350        | 2500                            | 3100                            |                                     |                                |
| PFAS                                                                                                                                                         |                                     |                                        |            |            |                                 |                                 |                                     |                                |
| Perfluorooctanoic Acid (PFOA)                                                                                                                                | 0.0076                              | 0.041                                  | 0.0014     | 0.6        | 0.079                           | 0.17                            |                                     |                                |
| Perfluorononanoic Acid (PFNA)                                                                                                                                | 0.013                               | 0.041                                  | 0.0027     | 0.6        | 0.079                           | 0.17                            |                                     |                                |
| Perfluorohexane Sulfonic Acid (PFHxS)                                                                                                                        | 0.0081                              | 0.041                                  | 0.0015     | 0.6        | 0.079                           | 0.17                            |                                     |                                |
| Perfluorooctane Sulfonic Acid (PFOS)                                                                                                                         | 0.0073                              | 0.041                                  | 0.0013     | 0.6        | 0.079                           | 0.17                            |                                     |                                |

- 1) All Values are in mg/kg, reported to 2 significant figures.
- 2) Numbers in bold are C4SLs, Numbers in italics are S4ULs, Numbers underlined are EIC/AGS/CL:AIRE GACs, Numbers in red are SoBRA Acute Generic Assessment Criteria.
- 3) Assumptions and key notes made when deriving the Generic Assessment Criteria are contained within the relevant guidance documents, references:
  - a) Contaminated Land: Applications in Real Environments (2014) SP1010 - Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination, Final Project Report (Revision 2b)
  - b) Land Quality Management Ltd. (2015) The LQM/CIEH S4ULs for Human Health Risk Assessment.
  - c) CL:AIRE, EIC, AGS (2010) Soil Generic Assessment Criteria for Human Health Risk Assessment.
  - d) Society of Brownfield Risk Assessment (2020) Development of Acute Generic Assessment Criteria for Assessing Risks to Human Health from Contaminants in Soil.
  - e) Environment Agency (2009) Human Health Toxicological Assessment of Contaminants in Soil, Science Report - SC050021/SR2.
- 4) Generic Assessment Criteria listed in the following order of preference: C4SLs, S4ULs, CL:AIRE/AGS/EIC Generic Assessment Criteria, Other relevant Generic Assessment Criteria where GACS associated with the prioritised GACs are not available as outlined further in Curtins Rationale and Hierarchy notes.
- 5) To use Benzo(a)pyrene as a surrogate marker for PAH contamination, the assumptions set out in the relevant C4SL documentation must be met. A C4SL PAH surrogate marker checklist is appended.
- 6) Naphthalene is a volatile PAH. The C4SL values are derived on the basis of chronic exposure and risks to human health, and do not explicitly account for acute risks (e.g. a one off ingestion of a significant amount of soil by a young child) where the inhalation pathway is the main risk driver. Further consideration of the acute risk may be required in external settings (POS<sub>park</sub> and POS<sub>resi</sub>) where the GAC is substantially greater than the residential equivalent, to account for the possibility of acute exposure to the ingestion of naphthalene. The theoretical solubility saturation limit of naphthalene in soil is substantially lower than the GAC value, and therefore it is likely that free phase contamination would be present where the GAC is exceeded. In such a situation, it is unlikely that the product would remain in-situ untreated, and consideration of remediation / mitigation methods would be required.
- 7) Where the C4SL surrogate marker checklist indicates the PAH ratios are not suitable, individual PAH compounds must be assessed individually against the relevant contaminant specific assessment criteria.
- 8) Risk associated with additive effects of TPH contamination needs to be assessed in addition to the individual bandings, using the following equation:

$$HI = \sum HQ_i = \sum \frac{\text{Measured concentration, } Fi \text{ (mg/kg)}}{\text{Relevant GAC (mg/kg)}} Fi$$

Where:

HI = Hazard Index

HQ = Hazard Quotient

Fi = Fraction i

Where the HI > 1, there may be a risk to human health.

- 9) Exposure to all xylene isomers to be considered together. Values detailed in this table are the lowest (most conservative) of o-, m- and p- xylene isomers.
- 10) PFAS assessment also uses a hazard index approach to ensure the total exposure from all four PFAS compounds combined does not exceed the LLTC<sub>oral</sub>. Where the hazard index exceeds 1, further consideration or assessment of the risk is required, even where none of the individual C4SL values are exceeded.
- 11) PFAS C4SL values are interim. The C4SL has been derived using the sum of the four PFAS compounds as the basis of the low level of toxicological concern. The term interim reflects concerns raised by the Committee on Toxicity (COT) and the fact that further work by the COT and others may result in the need for the LLTC to be updated.
- 12) Generic Assessment Criteria assume no free phase contamination is present. Where free phase contamination is present, further assessment may be required.
- 13) Solubility Saturation Limit and Vapour Saturation Limit are provided in accordance with relevant guidance documents. Where these values are exceeded, and the vapour pathway is an important contributing pathway to exposure, then the following should be considered:
  - Free phase contamination may be present
  - Exposure from vapour pathways will be over predicted.
  - Where the vapour pathway is >90% of exposure then it is unlikely that the relevant HCV will be exceeded at soil concentrations at least a factor of ten higher than the relevant HCV.

Additional assessment should be undertaken where this is the case, with consideration that:

- Exposure is unlikely to reach the relevant HCV and the risk based on the assumed conceptual model is likely to be negligible.
- Vapour pathway exposure should be calculated using algorithms suitable for free phase or NAPL sources
- Screening could be considered using the lower saturation limit, which is the approach adopted by the USEPA. However, this may not be practical in many cases because of very low limits and is in any case highly conservative.

Where the vapour pathway is the only exposure pathway considered then effective assessment criteria should be derived manually in accordance with guidance outlined in CLEA Science Report SC050021/SR4

Appendix G – Risk Assessment Rationale

The site-specific risk assessment, presented in this report, follows the principle of establishing whether there is a viable linkage between a contaminant source to a potential receptor, via an exposure pathway.

The risk assessment corresponds with the total site area and incorporates both descriptive (qualitative) and, where available, numerical (quantitative) lines of evidence.

Risk assessment is the process of collating known information on a hazard or set of hazards to estimate actual or potential risk to receptors. The receptor may be humans, a water resource, a sensitive local ecosystem, or future construction materials. Receptors can be connected to the source by one or several exposure pathways such as direct contact for example. Risks are managed by isolating the receptor or intercepting the exposure pathway or by isolating or removing the hazard.

Without the three essential components of a source, pathway, and receptor there can be no risk. Therefore, the presence of contaminant source on a site does not necessarily mean there is a risk.

The risk assessment considers the likelihood of a particular event taking place (accounting for the presence of the source and receptor and the viability of the exposure pathway) in conjunction with the severity of the potential consequence (accounting for the potential severity of the hazard and the sensitivity of the receptor).

In the risk assessment the consequence of the hazard has been classified as severe, medium, mild, or minor and the probability (likelihood) of the circumstances occurring classified as high likelihood or low likelihood or unlikely.

The consequences and probabilities are subsequently cross correlated to give a qualitative estimation of the risk using Department of the Environment risk classifications as detailed in the table below and as referenced in CIRIA C552.

|                             |                 | Consequence       |                   |                   |                   |
|-----------------------------|-----------------|-------------------|-------------------|-------------------|-------------------|
|                             |                 | Severe            | Medium            | Mild              | Minor             |
| Probability<br>(Likelihood) | High Likelihood | Very High Risk    | High Risk         | Moderate Risk     | Moderate/Low Risk |
|                             | Likely          | High Risk         | Moderate Risk     | Moderate/Low Risk | Low Risk          |
|                             | Low Likelihood  | Moderate Risk     | Moderate/Low Risk | Low Risk          | Very Low Risk     |
|                             | Unlikely        | Moderate/Low Risk | Low Risk          | Very Low Risk     | Very Low Risk     |

In accordance with DoE guidance, the following categorisation of **consequence** has been developed.

| Classification | Definition                                                                                                                                                                                                                                                                                                                         | Examples                                                                                                                                                                                                                                                                                              |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Severe         | Short-term (acute) risk to human health likely to result in “significant harm” as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to an ecosystem or organisation forming part of such ecosystem. | <p>High concentrations of cyanide on the surface of an informal recreation area.</p> <p>Major spillage of contaminants from site into controlled water.</p> <p>Explosion, causing building collapse (can also equate to a short-term human health risk if buildings are occupied).</p>                |
| Medium         | Chronic damage to Human Health. Pollution of sensitive water resources. A significant change in an ecosystem or organism forming part of such ecosystem.                                                                                                                                                                           | <p>Concentration of a contaminant from site exceeds the generic or site-specific assessment criteria.</p> <p>Leaching of contaminants from a site to a Principal or Secondary A aquifer.</p> <p>Death of a species within a designated nature reserve.</p> <p>Lesser toxic and asphyxiate effects</p> |
| Mild           | Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures, and services. Damage to sensitive buildings/structures/services or the environment.                                                                                                                                                | <p>Pollution of non-classified groundwater (Inc. Secondary B aquifers).</p> <p>Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).</p>                                                                                                                |
| Minor          | Harm, although not necessarily significant harm, which may result in a financial loss or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc). Easily repairable effects of damage to buildings, structures, and services.                   | <p>The presence of contaminants at such concentrations that protective equipment is required during site works.</p> <p>The loss of plants in a landscaping scheme.</p> <p>Discoloration of concrete.</p>                                                                                              |

In accordance with DoE guidance, the following categorisation of **probability** has been developed.

| Classification  | Definition                                                                                                                                                                                                                                                     |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| High Likelihood | There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution.                                                                |
| Likely          | There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and over the long term. |
| Low Likelihood  | There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the shorter term.                            |
| Unlikely        | There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the very long term.                                                                                                                           |

In accordance with DoE guidance, the following categorisation of **risk** has been developed.

| Classification         | Definition                                                                                                                                                                                                                                                                                           |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Very High Risk</b>  | There is a <i>high probability</i> that <i>severe harm</i> could arise to a designated receptor from an identified hazard at the site without appropriate further action.                                                                                                                            |
| <b>High Risk</b>       | <i>Harm is likely to arise</i> to a designated receptor from an identified hazard at the site without appropriate further action.                                                                                                                                                                    |
| <b>Moderate Risk</b>   | <i>It is possible</i> that without appropriate further action <i>harm could arise</i> to a designated receptor. It is relatively <i>unlikely</i> that any such harm would be <i>severe</i> , and if any harm were to occur it is <i>more likely</i> that such harm would be <i>relatively mild</i> . |
| <b>Low Risk</b>        | <i>It is possible</i> that <i>harm could arise</i> to a designated receptor from an identified hazard. It is <i>likely</i> that, at worst, if any harm was realised any effects would be <i>mild</i> .                                                                                               |
| <b>Negligible Risk</b> | The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.                                                                                                                                                                                     |

The term 'risk' in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. It does not refer to immediate risk to individuals or features present on the site from potential contaminants and is intended to be used as a tool to assess the necessity of further investigation.