# Appendix 8

# Geotechnical Rock Laboratory Test Results

# Point Load Test Broch,E. & Franklin,J.A.,IRSM Point Load Test Method

## Uniaxial Compressive Strength in accordance with BS1881

| | |
|---|---|
| Engineer | ARUP |
| Site | Dub 15 Digital Realty |
| S.I. File No | 5824 / 21 |
| Test Lab | Site Investigations Ltd., Carhugar The Grange, 12th Lock Rd., Lucan Co. Dublin. Tel (01) 6108768 Email:info@siteinvestigations.ie |
| Report Date | 21st May 2021 |

| Hole ID | Depth (m) | Lab Ref No. | Sample Type | Diameter / Height (mm) | Test Type | Is ($MN/m^2$) | Compressive Strength (MPa) | Strength Designation | Approx. Equivalent UCS Value (MPa) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| BH101 | 6.55 | 21/493 | C | 60 | PL | 3.06 | | Strong | 75.0 | Tested Axially |
| BH101 | 7.30 | 21/494 | C | 60 | PL | 1.67 | | Moderately Strong | 41.0 | Tested Diametrically |
| BH101 | 8.20 | 21/495 | C | 60 / 100 | UCS | | 81.5 | Strong | | Tested Axially |
| BH103 | 5.60 | 21/496 | C | 60 | PL | 3.61 | | Strong | 88.5 | Tested Diametrically |
| BH103 | 5.85 | 21/497 | C | 60 / 100 | UCS | | 47.5 | Moderately Strong | | Tested Axially |
| BH103 | 6.00 | 21/498 | C | 60 | PL | 3.61 | | Strong | 88.5 | Tested Axially |
| BH105 | 4.50 | 21/499 | C | 60 | PL | 3.89 | | Strong | 95.0 | Tested Axially |
| BH105 | 4.70 | 21/500 | C | 60 / 100 | UCS | | 109.0 | Very Strong | | Tested Axially |
| BH105 | 5.40 | 21/501 | C | 60 | PL | 5.56 | | Very Strong | 136.0 | Tested Diametrically |



Paddy McGonagle
Site Investigations Ltd

# Appendix 9

# Environmental Soil Laboratory Test Results

eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

UKAS TESTING 2183

mCERTS

# Final Report

| | |
|---|---|
| **Report No.:** | 21-13928-1 |
| **Initial Date of Issue:** | 05-May-2021 |
| **Client** | Site Investigations Ltd |
| **Client Address:** | Main Street<br>Newcastle<br>County Dublin<br>Ireland |
| **Contact(s):** | Stephen Letch |
| **Project** | 5840 DUB 15 DIGITAL REALITY (PROFILE PARK) |
| **Quotation No.:** | Q21-23690 |
| **Date Received:** | 28-Apr-2021 |
| **Order No.:** | 23/A/21 |
| **Date Instructed:** | 28-Apr-2021 |
| **No. of Samples:** | 72 |
| **Turnaround (Wkdays):** | 5 |
| **Results Due:** | 05-May-2021 |
| **Date Approved:** | 05-May-2021 |
| **Approved By:** | |
| **Details:** | Glynn Harvey, Technical Manager |

# Results - Leachate

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | | 1189296 | 1189297 | 1189298 | 1189299 | 1189300 | 1189301 | 1189302 | 1189303 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | | SA102 | FP102 | FP102 | FP103 | TP101 | TP101 | TP101 | TP102 |
| | | | | Client Sample ID.: | | PM35 | PM39 | PM41 | PM36 | PM50 | PM52 | PM54 | PM18 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.50 | 2.50 | 0.50 |
| | | | | Bottom Depth (m): | | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.50 | 2.50 | 0.50 |
| | | | | Date Sampled: | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 0.062 | < 0.050 | < 0.050 | 0.054 | < 0.050 | < 0.050 | < 0.050 | 0.051 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 0.71 | 0.30 | 0.18 | 0.58 | 0.40 | 0.45 | 0.49 | 0.57 |

# Results - Leachate

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
| Quotation No.: Q21-23690 | | | | | Chemtest Sample ID.: | 1189304 | 1189305 | 1189306 | 1189307 | 1189309 | 1189311 | 1189312 | 1189313 |
| Order No.: 23/A/21 | | | | | Client Sample Ref.: | TP102 | TP102 | TP102 | TP103 | TP103 | TP104 | TP104 | TP105 |
| | | | | | Client Sample ID.: | PM20 | PM22 | PM24 | PM10 | PM12 | PM46 | PM48 | PM14 |
| | | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | | Top Depth (m): | 1.50 | 2.50 | 3.50 | 0.50 | 1.50 | 1.50 | 2.50 | 0.50 |
| | | | | | Bottom Depth (m): | 1.50 | 2.50 | 3.50 | 0.50 | 1.50 | 1.50 | 2.50 | 0.50 |
| | | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 1.1 | 0.12 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | 0.079 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 12 | 7.2 | 0.43 | 0.43 | 0.51 | 0.33 | 0.21 | 0.93 |

# Results - Leachate

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| **Client: Site Investigations Ltd** | | | | **Chemtest Job No.:** | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | **Chemtest Sample ID.:** | | 1189314 | 1189315 | 1189316 | 1189317 | 1189318 | 1189319 | 1189320 | 1189321 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | | TP105 | TP106 | TP106 | TP107 | TP108 | TP108 | TP108 | TP108 |
| | | | | Client Sample ID.: | | PM16 | PM02 | PM04 | PM08 | PM25 | PM26 | PM28 | PM30 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.50 | 0.50 | 1.50 | 1.50 | 0.50 | 1.50 | 2.50 | 3.50 |
| | | | | Bottom Depth (m): | | 1.50 | 0.50 | 1.50 | 1.50 | 0.50 | 1.50 | 2.50 | 3.50 |
| | | | | Date Sampled: | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 0.058 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | 0.83 | 0.059 | 10 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 0.71 | 0.25 | 0.41 | 0.48 | 0.46 | 9.5 | 0.79 | 110 |

# Results - Leachate

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| **Client: Site Investigations Ltd** | | | | | | **Chemtest Job No.:** | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | | | **Chemtest Sample ID.:** | 1189322 | 1189323 | 1189324 | 1189325 | 1189326 | 1189327 | 1189328 | 1189329 |
| Order No.: 23/A/21 | | | | | | Client Sample Ref.: | TP109 | TP109 | TP109 | TP110 | TP110 | TP111 | TP111 | TP112 |
| | | | | | | Client Sample ID.: | PM90 | PM91 | PM93 | PM32 | PM34 | PM58 | PM60 | PM66 |
| | | | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | | | Top Depth (m): | 0.50 | 1.50 | 2.50 | 0.50 | 1.50 | 0.50 | 1.50 | 0.50 |
| | | | | | | Bottom Depth (m): | 0.50 | 1.50 | 2.50 | 0.50 | 1.50 | 0.50 | 1.50 | 0.50 |
| | | | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | | 0.22 | 0.083 | 0.061 | 0.092 | < 0.050 | 0.052 | < 0.050 | < 0.050 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | | 2.5 | 0.91 | 0.69 | 1.0 | 0.43 | 0.62 | 0.37 | 0.47 |

# Results - Leachate

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | | 1189330 | 1189331 | 1189332 | 1189333 | 1189334 | 1189335 | 1189336 | 1189338 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | | TP112 | TP112 | TP112 | TP113 | TP113 | TP113 | TP113 | TP114 |
| | | | | Client Sample ID.: | | PM67 | PM68 | PM70 | PM94 | PM95 | PM96 | PM98 | PM61 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.50 | 2.50 | 3.50 | 0.50 | 1.50 | 2.50 | 3.50 | 0.50 |
| | | | | Bottom Depth (m): | | 1.50 | 2.50 | 3.50 | 0.50 | 1.50 | 2.50 | 3.50 | 0.50 |
| | | | | Date Sampled: | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 0.055 | 2.2 | 1.9 | 0.35 | 1.6 | 0.92 | 2.7 | 0.11 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 0.69 | 24 | 21 | 3.9 | 17 | 10 | 29 | 1.1 |

# Results - Leachate

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | | 1189339 | 1189341 | 1189342 | 1189343 | 1189344 | 1189345 | 1189346 | 1189347 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | | TP114 | TP115 | TP115 | TP115 | TP115 | TP116 | TP116 | TP116 |
| | | | | Client Sample ID.: | | PM63 | PM85 | PM86 | PM87 | PM88 | PM73 | PM74 | PM75 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.50 | 0.50 | 1.50 | 2.50 | 3.00 | 0.50 | 1.50 | 2.50 |
| | | | | Bottom Depth (m): | | 1.50 | 0.50 | 1.50 | 2.50 | 3.00 | 0.50 | 1.50 | 2.50 |
| | | | | Date Sampled: | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 0.082 | 0.081 | 8.0 | 9.1 | 0.28 | 0.091 | 0.072 | 0.073 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 0.92 | 0.87 | 84 | 96 | 3.2 | 1.0 | 0.78 | 0.84 |

# Results - Leachate

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| **Client: Site Investigations Ltd** | | | | **Chemtest Job No.:** | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | **Chemtest Sample ID.:** | | 1189348 | 1189349 | 1189350 | 1189351 | 1189352 | 1189354 | 1189355 | 1189356 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | | TP116 | TP116 | TP117 | TP117 | BH101 | BH101 | BH102 | BH102 |
| | | | | Client Sample ID.: | | PM76 | PM78 | PM80 | PM82 | GM01 | GM05 | GM06 | GM08 |
| | | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | | 3.50 | 4.00 | 0.50 | 1.50 | 0.50 | 2.00 | 0.50 | 1.00 |
| | | | | Bottom Depth (m): | | 3.50 | 4.00 | 0.50 | 1.50 | 0.50 | 2.00 | 0.50 | 1.00 |
| | | | | Date Sampled: | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 0.086 | 10 | 0.14 | 0.098 | < 0.050 | 1.7 | 0.088 | < 0.050 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 0.98 | 110 | 1.6 | 1.1 | 0.55 | 18 | 1.0 | 0.49 |

# Results - Leachate

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | | | Chemtest Sample ID.: | 1189357 | 1189358 | 1189359 | 1189361 | 1189362 | 1189363 | 1189364 | 1189365 |
| Order No.: 23/A/21 | | | | | | Client Sample Ref.: | BH102 | BH102 | BH103 | BH104 | BH104 | BH104 | BH104 | BH105 |
| | | | | | | Client Sample ID.: | GM10 | GM12 | GM13 | GM19 | GM21 | GM23 | GM25 | JOI01 |
| | | | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | | | Top Depth (m): | 2.00 | 3.00 | 0.50 | 0.50 | 1.00 | 2.00 | 3.00 | 0.50 |
| | | | | | | Bottom Depth (m): | 2.00 | 3.00 | 0.50 | 0.50 | 1.00 | 2.00 | 3.00 | 0.50 |
| | | | | | | Date Sampled: | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 25-Apr-2021 | 25-Apr-2021 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | | | | | | | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | | < 0.050 | < 0.050 | < 0.050 | 0.13 | < 0.050 | 0.31 | 0.068 | 0.79 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | | 0.37 | 0.58 | 0.28 | 1.5 | 4.7 | 6.4 | 2.2 | 12 |

# Results - Leachate

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | | 1189366 | 1189367 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | | BH105 | BH105 |
| | | | | Client Sample ID.: | | JOI03 | JOI05 |
| | | | | Sample Type: | | SOIL | SOIL |
| | | | | Top Depth (m): | | 1.00 | 2.00 |
| | | | | Bottom Depth (m): | | 1.00 | 2.00 |
| | | | | Date Sampled: | | 25-Apr-2021 | 25-Apr-2021 |
| **Determinand** | **Accred.** | **SOP** | **Type** | **Units** | **LOD** | | |
| Ammonium | U | 1220 | 10:1 | mg/l | 0.050 | 3.6 | 0.20 |
| Ammonium | N | 1220 | 10:1 | mg/kg | 0.10 | 41 | 2.5 |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | 1189296 | 1189297 | 1189298 | 1189299 | 1189300 | 1189301 | 1189302 | 1189303 | 1189304 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | SA102 | FP102 | FP102 | FP103 | TP101 | TP101 | TP101 | TP102 | TP102 |
| | | | | Client Sample ID.: | PM35 | PM39 | PM41 | PM36 | PM50 | PM52 | PM54 | PM18 | PM20 |
| | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.50 | 2.50 | 0.50 | 1.50 |
| | | | | Bottom Depth (m): | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.50 | 2.50 | 0.50 | 1.50 |
| | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| ACM Type | U | 2192 | | N/A | - | - | - | - | - | - | - | - | - |
| Asbestos Identification | U | 2192 | | N/A | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected |
| ACM Detection Stage | U | 2192 | | N/A | - | - | - | - | - | - | - | - | - |
| Moisture | N | 2030 | % | 0.020 | 17 | 24 | 22 | 19 | 13 | 13 | 14 | 19 | 27 |
| Acid Soluble Sulphur | N | | % | 0.010 | | | | | | | | | |
| Water Soluble Sulphur | N | | % | 0.010 | | | | | | | | | |
| Oxidisable Sulphides as SO4 | N | | % | 0.030 | | | | | | | | | |
| Total Potential Sulphate as SO4 | N | 2175 | % | 0.030 | | | | | | | | | |
| pH | M | 2010 | | 4.0 | 7.1 | 8.3 | 8.3 | 8.2 | 8.4 | 8.4 | 8.2 | 8.3 | 8.2 |
| Boron (Hot Water Soluble) | M | 2120 | mg/kg | 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 |
| Magnesium (Water Soluble) | N | 2120 | g/l | 0.010 | | | | | | | | | |
| Sulphate (2:1 Water Soluble) as SO4 | M | 2120 | g/l | 0.010 | | | | | | | | | |
| Total Sulphur | M | 2175 | % | 0.010 | | | | | | | | | |
| Sulphur (Elemental) | M | 2180 | mg/kg | 1.0 | 23 | < 1.0 | < 1.0 | 1.8 | < 1.0 | 1.8 | 12 | 2.6 | 7.0 |
| Nitrate (Water Soluble) | N | 2220 | g/l | 0.010 | | | | | | | | | |
| Nitrate (Extractable) As N | N | 2220 | mg/kg | 1.0 | 3.9 | < 1.0 | < 1.0 | 5.7 | 1.6 | < 1.0 | 5.3 | 7.6 | < 1.0 |
| Cyanide (Total) | M | 2300 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Sulphide (Easily Liberatable) | N | 2325 | mg/kg | 0.50 | 9.0 | 8.0 | 9.4 | 11 | 9.3 | 32 | 37 | 37 | 37 |
| Ammonium (Extractable) | M | 2425 | mg/kg | 0.50 | 1.5 | < 0.50 | < 0.50 | 2.0 | 0.54 | 0.91 | 1.3 | 0.97 | 12 |
| Aluminium (Total) | N | 2430 | mg/kg | 100 | 9600 | 11000 | 11000 | 10000 | 11000 | 19000 | 9900 | 14000 | 9800 |
| Phosphate (Total) | N | 2430 | mg/kg | 10 | 1500 | 340 | 370 | 1900 | 1300 | 1600 | 1400 | 1500 | 1200 |
| Sulphate (Total) | M | 2430 | % | 0.010 | 0.25 | 0.025 | 0.022 | 0.076 | 0.056 | 0.044 | 0.17 | 0.089 | 0.044 |
| Sulphate (Acid Soluble) | M | 2430 | % | 0.010 | | | | | | | | | |
| Arsenic | M | 2450 | mg/kg | 1.0 | 97 | 16 | 17 | 23 | 48 | 140 | 71 | 48 | 48 |
| Barium | M | 2450 | mg/kg | 10 | 130 | 51 | 57 | 90 | 260 | 370 | 110 | 110 | 100 |
| Cadmium | M | 2450 | mg/kg | 0.10 | 2.2 | 1.7 | 2.4 | 2.5 | 1.8 | 1.9 | 1.9 | 1.6 | 1.6 |
| Chromium | M | 2450 | mg/kg | 1.0 | 26 | 22 | 20 | 21 | 27 | 50 | 22 | 27 | 24 |
| Molybdenum | M | 2450 | mg/kg | 2.0 | 4.5 | 3.0 | 3.9 | 5.2 | 2.9 | 2.5 | 3.2 | 2.6 | 2.9 |
| Antimony | N | 2450 | mg/kg | 2.0 | 3.1 | < 2.0 | 2.1 | 2.1 | < 2.0 | < 2.0 | 2.3 | < 2.0 | < 2.0 |
| Copper | M | 2450 | mg/kg | 0.50 | 34 | 38 | 46 | 49 | 41 | 61 | 30 | 36 | 33 |
| Mercury | M | 2450 | mg/kg | 0.10 | < 0.10 | 0.10 | 0.11 | 0.33 | 0.14 | < 0.10 | < 0.10 | 0.14 | < 0.10 |
| Nickel | M | 2450 | mg/kg | 0.50 | 58 | 81 | 100 | 69 | 58 | 80 | 49 | 50 | 52 |
| Lead | M | 2450 | mg/kg | 0.50 | 67 | 19 | 22 | 43 | 69 | 120 | 51 | 56 | 50 |
| Selenium | M | 2450 | mg/kg | 0.20 | 1.2 | 0.87 | 1.0 | 1.2 | 0.55 | 0.29 | 0.87 | 1.4 | 0.51 |
| Zinc | M | 2450 | mg/kg | 0.50 | 270 | 88 | 96 | 120 | 150 | 250 | 230 | 140 | 150 |
| Chromium (Trivalent) | N | 2490 | mg/kg | 1.0 | 26 | 22 | 20 | 21 | 27 | 50 | 22 | 27 | 24 |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | Chemtest Job No.: | | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | Chemtest Sample ID.: | | | 1189296 | 1189297 | 1189298 | 1189299 | 1189300 | 1189301 | 1189302 | 1189303 | 1189304 |
| Order No.: 23/A/21 | | Client Sample Ref.: | | | SA102 | FP102 | FP102 | FP103 | TP101 | TP101 | TP101 | TP102 | TP102 |
| | | Client Sample ID.: | | | PM35 | PM39 | PM41 | PM36 | PM50 | PM52 | PM54 | PM18 | PM20 |
| | | Sample Type: | | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | Top Depth (m): | | | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.50 | 2.50 | 0.50 | 1.50 |
| | | Bottom Depth (m): | | | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.50 | 2.50 | 0.50 | 1.50 |
| | | Date Sampled: | | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | Asbestos Lab: | | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| Chromium (Hexavalent) | N | 2490 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Total Organic Carbon | M | 2625 | % | 0.20 | 0.47 | 0.55 | 0.56 | 1.1 | 0.57 | 0.24 | 0.71 | 1.4 | 0.52 |
| Mineral Oil | N | 2670 | mg/kg | 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Aliphatic TPH >C5-C6 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C6-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C16-C21 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Aliphatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Aromatic TPH >C5-C7 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C7-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C16-C21 | U | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | 130 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 83 | < 1.0 | < 1.0 |
| Aromatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Aromatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | 130 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | 83 | < 5.0 | < 5.0 |
| Total Petroleum Hydrocarbons | N | 2680 | mg/kg | 10.0 | 130 | < 10 | < 10 | < 10 | < 10 | < 10 | 83 | < 10 | < 10 |
| Benzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| m & p-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Methyl Tert-Butyl Ether | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Acenaphthylene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Acenaphthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Fluorene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Phenanthrene | M | 2800 | mg/kg | 0.10 | 0.17 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.21 | 0.33 | 0.59 | 0.14 |
| Anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.13 | 0.14 | 0.21 | < 0.10 |
| Fluoranthene | M | 2800 | mg/kg | 0.10 | 0.31 | < 0.10 | < 0.10 | 0.12 | < 0.10 | 0.29 | 0.78 | 0.95 | 0.29 |
| Pyrene | M | 2800 | mg/kg | 0.10 | 0.26 | < 0.10 | < 0.10 | 0.10 | < 0.10 | 0.26 | 0.61 | 0.72 | 0.22 |
| Benzo[a]anthracene | M | 2800 | mg/kg | 0.10 | 0.17 | < 0.10 | < 0.10 | 0.10 | < 0.10 | 0.17 | 0.31 | 0.54 | 0.16 |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | | Chemtest Sample ID.: | 1189296 | 1189297 | 1189298 | 1189299 | 1189300 | 1189301 | 1189302 | 1189303 | 1189304 |
| Order No.: 23/A/21 | | | | | Client Sample Ref.: | SA102 | FP102 | FP102 | FP103 | TP101 | TP101 | TP101 | TP102 | TP102 |
| | | | | | Client Sample ID.: | PM35 | PM39 | PM41 | PM36 | PM50 | PM52 | PM54 | PM18 | PM20 |
| | | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | | Top Depth (m): | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.50 | 2.50 | 0.50 | 1.50 |
| | | | | | Bottom Depth (m): | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.50 | 2.50 | 0.50 | 1.50 |
| | | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | | |
| Chrysene | M | 2800 | mg/kg | 0.10 | | 0.15 | < 0.10 | < 0.10 | 0.11 | < 0.10 | 0.16 | 0.31 | 0.41 | 0.16 |
| Benzo[b]fluoranthene | M | 2800 | mg/kg | 0.10 | | 0.18 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.26 | 0.36 | 0.56 | 0.20 |
| Benzo[k]fluoranthene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.17 | 0.15 | 0.29 | 0.12 |
| Benzo[a]pyrene | M | 2800 | mg/kg | 0.10 | | 0.16 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.17 | 0.35 | 0.44 | 0.19 |
| Indeno(1,2,3-c,d)Pyrene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.22 | 0.24 | 0.42 | 0.17 |
| Dibenz(a,h)Anthracene | N | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.21 | < 0.10 | 0.29 | 0.11 |
| Benzo[g,h,i]perylene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.27 | 0.25 | 0.35 | 0.16 |
| Coronene | N | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Of 17 PAH's | N | 2800 | mg/kg | 2.0 | | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | 2.5 | 3.8 | 5.8 | < 2.0 |
| PCB 28 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 90+101 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | U | 2815 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | M | 2920 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | 1189305 | 1189306 | 1189307 | 1189308 | 1189309 | 1189310 | 1189311 | 1189312 | 1189313 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | TP102 | TP102 | TP103 | FP103 | TP103 | TP101 | TP104 | TP104 | TP105 |
| | | | | Client Sample ID.: | PM22 | PM24 | PM10 | PM38 | PM12 | PM55 | PM46 | PM48 | PM14 |
| | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | 2.50 | 3.50 | 0.50 | 1.50 | 1.50 | 3.50 | 1.50 | 2.50 | 0.50 |
| | | | | Bottom Depth (m): | 2.50 | 3.50 | 0.50 | 1.50 | 1.50 | 3.50 | 1.50 | 2.50 | 0.50 |
| | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | | DURHAM | | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| ACM Type | U | 2192 | | N/A | - | - | - | | - | | - | - | - |
| Asbestos Identification | U | 2192 | | N/A | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | | No Asbestos Detected | | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected |
| ACM Detection Stage | U | 2192 | | N/A | - | - | - | | - | | - | - | - |
| Moisture | N | 2030 | % | 0.020 | 24 | 18 | 16 | 22 | 15 | 30 | 14 | 21 | 19 |
| Acid Soluble Sulphur | N | | % | 0.010 | | < 0.010 | | 0.012 | 0.016 | 0.024 | | | |
| Water Soluble Sulphur | N | | % | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | | | |
| Oxidisable Sulphides as SO4 | N | | % | 0.030 | | 0.086 | | 0.083 | 0.12 | 0.094 | | | |
| Total Potential Sulphate as SO4 | N | 2175 | % | 0.030 | | 0.10 | | 0.12 | 0.17 | 0.17 | | | |
| pH | M | 2010 | | 4.0 | 9.6 | 8.5 | 8.5 | 8.4 | 8.7 | 8.0 | 8.5 | 8.6 | 8.2 |
| Boron (Hot Water Soluble) | M | 2120 | mg/kg | 0.40 | < 0.40 | < 0.40 | < 0.40 | | < 0.40 | | < 0.40 | < 0.40 | < 0.40 |
| Magnesium (Water Soluble) | N | 2120 | g/l | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | | | |
| Sulphate (2:1 Water Soluble) as SO4 | M | 2120 | g/l | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | | | |
| Total Sulphur | M | 2175 | % | 0.010 | | 0.034 | | 0.040 | 0.056 | 0.055 | | | |
| Sulphur (Elemental) | M | 2180 | mg/kg | 1.0 | 4.2 | 1.2 | < 1.0 | | < 1.0 | | 1.0 | < 1.0 | 8.6 |
| Nitrate (Water Soluble) | N | 2220 | g/l | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | 0.073 | | | |
| Nitrate (Extractable) As N | N | 2220 | mg/kg | 1.0 | < 1.0 | < 1.0 | 3.3 | | < 1.0 | | 1.8 | < 1.0 | < 1.0 |
| Cyanide (Total) | M | 2300 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | | 1.3 | | < 0.50 | 0.70 | 4.7 |
| Sulphide (Easily Liberatable) | N | 2325 | mg/kg | 0.50 | 37 | 11 | 1.7 | | 1.7 | | 1.6 | 1.7 | 1.2 |
| Ammonium (Extractable) | M | 2425 | mg/kg | 0.50 | 7.2 | 2.3 | 1.1 | | 3.7 | | 0.67 | 1.3 | 11 |
| Aluminium (Total) | N | 2430 | mg/kg | 100 | 7300 | 6700 | 6200 | | 3700 | | 7000 | 11000 | 6700 |
| Phosphate (Total) | N | 2430 | mg/kg | 10 | 1100 | 830 | 1200 | | 1700 | | 640 | 770 | 5000 |
| Sulphate (Total) | M | 2430 | % | 0.010 | 0.17 | 0.046 | 0.099 | | 0.13 | | 0.15 | 0.038 | 0.12 |
| Sulphate (Acid Soluble) | M | 2430 | % | 0.010 | | 0.016 | | 0.037 | 0.048 | 0.071 | | | |
| Arsenic | M | 2450 | mg/kg | 1.0 | 18 | 23 | 16 | | 16 | | 22 | 19 | 21 |
| Barium | M | 2450 | mg/kg | 10 | 120 | 36 | 58 | | 24 | | 47 | 75 | 140 |
| Cadmium | M | 2450 | mg/kg | 0.10 | 2.2 | 2.5 | 1.2 | | 1.6 | | 1.1 | 3.2 | 2.3 |
| Chromium | M | 2450 | mg/kg | 1.0 | 18 | 15 | 12 | | 12 | | 13 | 26 | 21 |
| Molybdenum | M | 2450 | mg/kg | 2.0 | 5.0 | 4.8 | 2.5 | | 2.6 | | 4.2 | 4.3 | 5.8 |
| Antimony | N | 2450 | mg/kg | 2.0 | 5.0 | 3.2 | 2.1 | | < 2.0 | | < 2.0 | 2.6 | 3.8 |
| Copper | M | 2450 | mg/kg | 0.50 | 21 | 37 | 27 | | 20 | | 26 | 52 | 80 |
| Mercury | M | 2450 | mg/kg | 0.10 | 0.10 | < 0.10 | 0.33 | | 0.12 | | 0.13 | 0.13 | 1.1 |
| Nickel | M | 2450 | mg/kg | 0.50 | 39 | 49 | 42 | | 38 | | 53 | 120 | 66 |
| Lead | M | 2450 | mg/kg | 0.50 | 26 | 17 | 27 | | 13 | | 21 | 23 | 66 |
| Selenium | M | 2450 | mg/kg | 0.20 | 0.33 | 1.1 | 0.51 | | 0.31 | | 0.90 | 1.1 | 1.5 |
| Zinc | M | 2450 | mg/kg | 0.50 | 84 | 80 | 59 | | 88 | | 48 | 110 | 390 |
| Chromium (Trivalent) | N | 2490 | mg/kg | 1.0 | 18 | 15 | 12 | | 12 | | 13 | 26 | 21 |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | Chemtest Job No.: | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | Chemtest Sample ID.: | | 1189305 | 1189306 | 1189307 | 1189308 | 1189309 | 1189310 | 1189311 | 1189312 | 1189313 |
| Order No.: 23/A/21 | | | Client Sample Ref.: | | TP102 | TP102 | TP103 | FP103 | TP103 | TP101 | TP104 | TP104 | TP105 |
| | | | Client Sample ID.: | | PM22 | PM24 | PM10 | PM38 | PM12 | PM55 | PM46 | PM48 | PM14 |
| | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | Top Depth (m): | | 2.50 | 3.50 | 0.50 | 1.50 | 1.50 | 3.50 | 1.50 | 2.50 | 0.50 |
| | | | Bottom Depth (m): | | 2.50 | 3.50 | 0.50 | 1.50 | 1.50 | 3.50 | 1.50 | 2.50 | 0.50 |
| | | | Date Sampled: | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | Asbestos Lab: | | DURHAM | DURHAM | DURHAM | | DURHAM | | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| Chromium (Hexavalent) | N | 2490 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | | < 0.50 | | < 0.50 | < 0.50 | < 0.50 |
| Total Organic Carbon | M | 2625 | % | 0.20 | 0.50 | 0.31 | 1.3 | | 0.56 | | 0.79 | 0.79 | 2.6 |
| Mineral Oil | N | 2670 | mg/kg | 10 | < 10 | < 10 | < 10 | | < 10 | | < 10 | < 10 | < 10 |
| Aliphatic TPH >C5-C6 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C6-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C16-C21 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Total Aliphatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | | [C] < 5.0 | | < 5.0 | < 5.0 | < 5.0 |
| Aromatic TPH >C5-C7 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C7-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C16-C21 | U | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Total Aromatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | | [C] < 5.0 | | < 5.0 | < 5.0 | < 5.0 |
| Total Petroleum Hydrocarbons | N | 2680 | mg/kg | 10.0 | < 10 | < 10 | < 10 | | [C] < 10 | | < 10 | < 10 | < 10 |
| Benzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Toluene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] 2.2 | | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| m & p-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Methyl Tert-Butyl Ether | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | [C] < 1.0 | | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 |
| Acenaphthylene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 |
| Acenaphthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 |
| Fluorene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 |
| Phenanthrene | M | 2800 | mg/kg | 0.10 | 0.16 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | 0.14 |
| Anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 |
| Fluoranthene | M | 2800 | mg/kg | 0.10 | 0.18 | < 0.10 | 0.15 | | 0.13 | | < 0.10 | < 0.10 | 0.36 |
| Pyrene | M | 2800 | mg/kg | 0.10 | 0.15 | < 0.10 | 0.11 | | 0.11 | | < 0.10 | < 0.10 | 0.29 |
| Benzo[a]anthracene | M | 2800 | mg/kg | 0.10 | 0.11 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | 0.19 |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | | Chemtest Sample ID.: | 1189305 | 1189306 | 1189307 | 1189308 | 1189309 | 1189310 | 1189311 | 1189312 | 1189313 |
| Order No.: 23/A/21 | | | | | Client Sample Ref.: | TP102 | TP102 | TP103 | FP103 | TP103 | TP101 | TP104 | TP104 | TP105 |
| | | | | | Client Sample ID.: | PM22 | PM24 | PM10 | PM38 | PM12 | PM55 | PM46 | PM48 | PM14 |
| | | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | | Top Depth (m): | 2.50 | 3.50 | 0.50 | 1.50 | 1.50 | 3.50 | 1.50 | 2.50 | 0.50 |
| | | | | | Bottom Depth (m): | 2.50 | 3.50 | 0.50 | 1.50 | 1.50 | 3.50 | 1.50 | 2.50 | 0.50 |
| | | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | | DURHAM | | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | | |
| Chrysene | M | 2800 | mg/kg | 0.10 | | 0.11 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | 0.19 |
| Benzo[b]fluoranthene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | 0.31 |
| Benzo[k]fluoranthene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | 0.10 |
| Benzo[a]pyrene | M | 2800 | mg/kg | 0.10 | | 0.11 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | 0.22 |
| Indeno(1,2,3-c,d)Pyrene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | 0.19 |
| Dibenz(a,h)Anthracene | N | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 |
| Benzo[g,h,i]perylene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | 0.19 |
| Coronene | N | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 |
| Total Of 17 PAH's | N | 2800 | mg/kg | 2.0 | | < 2.0 | < 2.0 | < 2.0 | | < 2.0 | | < 2.0 | < 2.0 | 2.2 |
| PCB 28 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | [C] < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | [C] < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 90+101 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | [C] < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | [C] < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | [C] < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | [C] < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | [C] < 0.010 | | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | U | 2815 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | [C] < 0.10 | | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | M | 2920 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | | < 0.10 | 0.13 | < 0.10 |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | 1189314 | 1189315 | 1189316 | 1189317 | 1189318 | 1189319 | 1189320 | 1189321 | 1189322 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | TP105 | TP106 | TP106 | TP107 | TP108 | TP108 | TP108 | TP108 | TP109 |
| | | | | Client Sample ID.: | PM16 | PM02 | PM04 | PM08 | PM25 | PM26 | PM28 | PM30 | PM90 |
| | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | 1.50 | 0.50 | 1.50 | 1.50 | 0.50 | 1.50 | 2.50 | 3.50 | 0.50 |
| | | | | Bottom Depth (m): | 1.50 | 0.50 | 1.50 | 1.50 | 0.50 | 1.50 | 2.50 | 3.50 | 0.50 |
| | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| ACM Type | U | 2192 | | N/A | - | - | - | - | - | - | - | - | - |
| Asbestos Identification | U | 2192 | | N/A | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected |
| ACM Detection Stage | U | 2192 | | N/A | - | - | - | - | - | - | - | - | - |
| Moisture | N | 2030 | % | 0.020 | 12 | 11 | 12 | 17 | 7.2 | 14 | 4.1 | 27 | 39 |
| Acid Soluble Sulphur | N | | % | 0.010 | 0.018 | | | 0.027 | | | | 0.047 | |
| Water Soluble Sulphur | N | | % | 0.010 | < 0.010 | | | < 0.010 | | | | < 0.010 | |
| Oxidisable Sulphides as SO4 | N | | % | 0.030 | 0.053 | | | 0.061 | | | | 0.15 | |
| Total Potential Sulphate as SO4 | N | 2175 | % | 0.030 | 0.11 | | | 0.14 | | | | 0.29 | |
| pH | M | 2010 | | 4.0 | 8.2 | 8.3 | 8.6 | 8.1 | 8.6 | 8.5 | 8.5 | 8.3 | 8.3 |
| Boron (Hot Water Soluble) | M | 2120 | mg/kg | 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 |
| Magnesium (Water Soluble) | N | 2120 | g/l | 0.010 | < 0.010 | | | < 0.010 | | | | < 0.010 | |
| Sulphate (2:1 Water Soluble) as SO4 | M | 2120 | g/l | 0.010 | < 0.010 | | | < 0.010 | | | | < 0.010 | |
| Total Sulphur | M | 2175 | % | 0.010 | 0.036 | | | 0.047 | | | | 0.097 | |
| Sulphur (Elemental) | M | 2180 | mg/kg | 1.0 | 2.1 | < 1.0 | < 1.0 | 6.0 | 2.2 | 8.4 | 5.1 | < 1.0 | < 1.0 |
| Nitrate (Water Soluble) | N | 2220 | g/l | 0.010 | 0.030 | | | 0.050 | | | | < 0.010 | |
| Nitrate (Extractable) As N | N | 2220 | mg/kg | 1.0 | 14 | 1.0 | < 1.0 | 23 | 1.9 | 13 | 2.4 | < 1.0 | < 1.0 |
| Cyanide (Total) | M | 2300 | mg/kg | 0.50 | < 0.50 | < 0.50 | 2.2 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.6 | 1.1 |
| Sulphide (Easily Liberatable) | N | 2325 | mg/kg | 0.50 | 8.7 | 8.6 | 8.7 | 8.6 | 8.6 | 1.1 | 1.0 | 1.0 | 1.1 |
| Ammonium (Extractable) | M | 2425 | mg/kg | 0.50 | 4.8 | 1.0 | 3.8 | 2.0 | 0.71 | 2.5 | 1.0 | 100 | 15 |
| Aluminium (Total) | N | 2430 | mg/kg | 100 | 2300 | 9100 | 3800 | 8000 | 20000 | 12000 | 5400 | 8200 | 9000 |
| Phosphate (Total) | N | 2430 | mg/kg | 10 | 1200 | 1000 | 830 | 1500 | 1400 | 1900 | 860 | 2100 | 2100 |
| Sulphate (Total) | M | 2430 | % | 0.010 | 0.068 | 0.050 | 0.12 | 0.10 | 0.16 | 0.19 | 0.11 | 0.21 | 0.24 |
| Sulphate (Acid Soluble) | M | 2430 | % | 0.010 | 0.055 | | | 0.080 | | | | 0.14 | |
| Arsenic | M | 2450 | mg/kg | 1.0 | 14 | 13 | 21 | 14 | 39 | 34 | 24 | 22 | 33 |
| Barium | M | 2450 | mg/kg | 10 | 27 | 55 | 12 | 59 | 33 | 80 | 57 | 98 | 100 |
| Cadmium | M | 2450 | mg/kg | 0.10 | 0.81 | 1.4 | 0.24 | 1.7 | 0.41 | 1.3 | 1.0 | 1.6 | 1.3 |
| Chromium | M | 2450 | mg/kg | 1.0 | 6.2 | 18 | 9.5 | 18 | 76 | 39 | 17 | 20 | 25 |
| Molybdenum | M | 2450 | mg/kg | 2.0 | 2.5 | 3.6 | 2.0 | 3.2 | < 2.0 | < 2.0 | 2.9 | < 2.0 | 2.4 |
| Antimony | N | 2450 | mg/kg | 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Copper | M | 2450 | mg/kg | 0.50 | 21 | 32 | 19 | 33 | 38 | 31 | 21 | 30 | 29 |
| Mercury | M | 2450 | mg/kg | 0.10 | 0.17 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.14 | < 0.10 |
| Nickel | M | 2450 | mg/kg | 0.50 | 36 | 56 | 43 | 46 | 43 | 43 | 51 | 34 | 46 |
| Lead | M | 2450 | mg/kg | 0.50 | 14 | 18 | 8.4 | 28 | 12 | 24 | 13 | 43 | 33 |
| Selenium | M | 2450 | mg/kg | 0.20 | 0.46 | 1.0 | 0.20 | 0.90 | < 0.20 | 0.24 | < 0.20 | 1.4 | 0.63 |
| Zinc | M | 2450 | mg/kg | 0.50 | 48 | 90 | 13 | 94 | 120 | 110 | 56 | 95 | 110 |
| Chromium (Trivalent) | N | 2490 | mg/kg | 1.0 | 6.2 | 18 | 9.5 | 18 | 76 | 39 | 17 | 20 | 25 |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | Chemtest Job No.: | | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | Chemtest Sample ID.: | | | 1189314 | 1189315 | 1189316 | 1189317 | 1189318 | 1189319 | 1189320 | 1189321 | 1189322 |
| Order No.: 23/A/21 | | Client Sample Ref.: | | | TP105 | TP106 | TP106 | TP107 | TP108 | TP108 | TP108 | TP108 | TP109 |
| | | Client Sample ID.: | | | PM16 | PM02 | PM04 | PM08 | PM25 | PM26 | PM28 | PM30 | PM90 |
| | | Sample Type: | | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | Top Depth (m): | | | 1.50 | 0.50 | 1.50 | 1.50 | 0.50 | 1.50 | 2.50 | 3.50 | 0.50 |
| | | Bottom Depth (m): | | | 1.50 | 0.50 | 1.50 | 1.50 | 0.50 | 1.50 | 2.50 | 3.50 | 0.50 |
| | | Date Sampled: | | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | Asbestos Lab: | | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| Chromium (Hexavalent) | N | 2490 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Total Organic Carbon | M | 2625 | % | 0.20 | 0.80 | 0.76 | 0.29 | 1.7 | < 0.20 | 0.67 | 0.25 | 2.6 | 2.5 |
| Mineral Oil | N | 2670 | mg/kg | 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Aliphatic TPH >C5-C6 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C6-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C16-C21 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Aliphatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Aromatic TPH >C5-C7 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C7-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C16-C21 | U | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Aromatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Total Petroleum Hydrocarbons | N | 2680 | mg/kg | 10.0 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Benzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| m & p-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Methyl Tert-Butyl Ether | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.17 | 0.21 |
| Acenaphthylene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.50 | 0.38 |
| Acenaphthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.13 | 0.10 |
| Fluorene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.46 | 0.37 |
| Phenanthrene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 1.1 | < 0.10 | < 0.10 | < 0.10 | 2.7 | 2.6 |
| Anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.48 | < 0.10 | < 0.10 | < 0.10 | 0.73 | 1.7 |
| Fluoranthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 4.7 | < 0.10 | < 0.10 | < 0.10 | 3.2 | 3.4 |
| Pyrene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 4.0 | < 0.10 | < 0.10 | < 0.10 | 2.4 | 2.4 |
| Benzo[a]anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 2.2 | < 0.10 | < 0.10 | < 0.10 | 1.2 | 1.5 |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | Chemtest Job No.: | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | Chemtest Sample ID.: | | 1189314 | 1189315 | 1189316 | 1189317 | 1189318 | 1189319 | 1189320 | 1189321 | 1189322 |
| Order No.: 23/A/21 | | | Client Sample Ref.: | | TP105 | TP106 | TP106 | TP107 | TP108 | TP108 | TP108 | TP108 | TP109 |
| | | | Client Sample ID.: | | PM16 | PM02 | PM04 | PM08 | PM25 | PM26 | PM28 | PM30 | PM90 |
| | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | Top Depth (m): | | 1.50 | 0.50 | 1.50 | 1.50 | 0.50 | 1.50 | 2.50 | 3.50 | 0.50 |
| | | | Bottom Depth (m): | | 1.50 | 0.50 | 1.50 | 1.50 | 0.50 | 1.50 | 2.50 | 3.50 | 0.50 |
| | | | Date Sampled: | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | Asbestos Lab: | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| Chrysene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 1.8 | < 0.10 | < 0.10 | < 0.10 | 1.1 | 1.6 |
| Benzo[b]fluoranthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 2.9 | < 0.10 | < 0.10 | < 0.10 | 1.2 | 1.3 |
| Benzo[k]fluoranthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 1.1 | < 0.10 | < 0.10 | < 0.10 | 0.48 | 0.57 |
| Benzo[a]pyrene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 2.3 | < 0.10 | < 0.10 | < 0.10 | 0.96 | 1.0 |
| Indeno(1,2,3-c,d)Pyrene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 1.5 | < 0.10 | < 0.10 | < 0.10 | 0.53 | 0.62 |
| Dibenz(a,h)Anthracene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.28 | < 0.10 | < 0.10 | < 0.10 | 0.16 | 0.23 |
| Benzo[g,h,i]perylene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | 1.5 | < 0.10 | < 0.10 | < 0.10 | 0.48 | 0.63 |
| Coronene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Of 17 PAH's | N | 2800 | mg/kg | 2.0 | < 2.0 | < 2.0 | < 2.0 | 24 | < 2.0 | < 2.0 | < 2.0 | 16 | 19 |
| PCB 28 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 90+101 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | U | 2815 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | M | 2920 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | 1189323 | 1189324 | 1189325 | 1189326 | 1189327 | 1189328 | 1189329 | 1189330 | 1189331 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | TP109 | TP109 | TP110 | TP110 | TP111 | TP111 | TP112 | TP112 | TP112 |
| | | | | Client Sample ID.: | PM91 | PM93 | PM32 | PM34 | PM58 | PM60 | PM66 | PM67 | PM68 |
| | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | 1.50 | 2.50 | 0.50 | 1.50 | 0.50 | 1.50 | 0.50 | 1.50 | 2.50 |
| | | | | Bottom Depth (m): | 1.50 | 2.50 | 0.50 | 1.50 | 0.50 | 1.50 | 0.50 | 1.50 | 2.50 |
| | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| ACM Type | U | 2192 | | N/A | - | - | - | - | - | - | - | - | - |
| Asbestos Identification | U | 2192 | | N/A | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected |
| ACM Detection Stage | U | 2192 | | N/A | - | - | - | - | - | - | - | - | - |
| Moisture | N | 2030 | % | 0.020 | 23 | 13 | 16 | 9.4 | 15 | 3.4 | 6.3 | 12 | 30 |
| Acid Soluble Sulphur | N | | % | 0.010 | | | | 0.018 | | 0.024 | | | |
| Water Soluble Sulphur | N | | % | 0.010 | | | | < 0.010 | | < 0.010 | | | |
| Oxidisable Sulphides as SO4 | N | | % | 0.030 | | | | 0.077 | | 0.091 | | | |
| Total Potential Sulphate as SO4 | N | 2175 | % | 0.030 | | | | 0.13 | | 0.16 | | | |
| pH | M | 2010 | | 4.0 | 8.1 | 8.4 | 8.4 | 8.6 | 8.8 | 8.5 | 8.7 | 8.5 | 8.3 |
| Boron (Hot Water Soluble) | M | 2120 | mg/kg | 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 |
| Magnesium (Water Soluble) | N | 2120 | g/l | 0.010 | | | | < 0.010 | | < 0.010 | | | |
| Sulphate (2:1 Water Soluble) as SO4 | M | 2120 | g/l | 0.010 | | | | < 0.010 | | < 0.010 | | | |
| Total Sulphur | M | 2175 | % | 0.010 | | | | 0.044 | | 0.054 | | | |
| Sulphur (Elemental) | M | 2180 | mg/kg | 1.0 | < 1.0 | < 1.0 | 2.6 | 180 | 3.0 | < 1.0 | 3.1 | 91 | 15 |
| Nitrate (Water Soluble) | N | 2220 | g/l | 0.010 | | | | < 0.010 | | < 0.010 | | | |
| Nitrate (Extractable) As N | N | 2220 | mg/kg | 1.0 | 2.3 | 12 | 1.3 | 1.8 | 2.4 | 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Cyanide (Total) | M | 2300 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Sulphide (Easily Liberatable) | N | 2325 | mg/kg | 0.50 | 1.2 | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 1.2 | < 0.50 | < 0.50 |
| Ammonium (Extractable) | M | 2425 | mg/kg | 0.50 | 6.2 | 2.2 | 2.3 | 2.9 | 0.97 | 2.1 | 0.87 | 4.0 | 31 |
| Aluminium (Total) | N | 2430 | mg/kg | 100 | 9800 | 4800 | 7600 | 3700 | 23000 | 3700 | 22000 | 9300 | 9600 |
| Phosphate (Total) | N | 2430 | mg/kg | 10 | 1700 | 1000 | 1600 | 840 | 1600 | 830 | 1700 | 1400 | 1900 |
| Sulphate (Total) | M | 2430 | % | 0.010 | 0.11 | 0.12 | 0.11 | 0.092 | 0.13 | 0.13 | 0.062 | 0.062 | 0.17 |
| Sulphate (Acid Soluble) | M | 2430 | % | 0.010 | | | | 0.055 | | 0.071 | | | |
| Arsenic | M | 2450 | mg/kg | 1.0 | 19 | 20 | 17 | 28 | 52 | 25 | 67 | 38 | 41 |
| Barium | M | 2450 | mg/kg | 10 | 81 | 65 | 110 | 34 | 51 | 39 | 34 | 65 | 110 |
| Cadmium | M | 2450 | mg/kg | 0.10 | 2.5 | 1.3 | 1.7 | 1.6 | 0.72 | 0.87 | 0.49 | 2.5 | 1.7 |
| Chromium | M | 2450 | mg/kg | 1.0 | 23 | 13 | 18 | 12 | 100 | 12 | 98 | 35 | 34 |
| Molybdenum | M | 2450 | mg/kg | 2.0 | 4.2 | 2.9 | < 2.0 | 6.5 | < 2.0 | 3.1 | < 2.0 | 6.1 | 3.1 |
| Antimony | N | 2450 | mg/kg | 2.0 | < 2.0 | < 2.0 | < 2.0 | 3.4 | < 2.0 | < 2.0 | < 2.0 | 2.3 | < 2.0 |
| Copper | M | 2450 | mg/kg | 0.50 | 41 | 17 | 21 | 28 | 50 | 21 | 52 | 49 | 42 |
| Mercury | M | 2450 | mg/kg | 0.10 | 0.13 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.13 | < 0.10 | < 0.10 | 0.10 |
| Nickel | M | 2450 | mg/kg | 0.50 | 62 | 35 | 31 | 52 | 59 | 37 | 53 | 80 | 56 |
| Lead | M | 2450 | mg/kg | 0.50 | 40 | 12 | 26 | 14 | 22 | 31 | 17 | 26 | 61 |
| Selenium | M | 2450 | mg/kg | 0.20 | 1.2 | 0.22 | 0.58 | 0.39 | < 0.20 | < 0.20 | < 0.20 | 0.35 | 0.74 |
| Zinc | M | 2450 | mg/kg | 0.50 | 130 | 57 | 77 | 52 | 210 | 43 | 120 | 110 | 160 |
| Chromium (Trivalent) | N | 2490 | mg/kg | 1.0 | 23 | 13 | 18 | 12 | 100 | 12 | 98 | 35 | 34 |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | Chemtest Job No.: | | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | Chemtest Sample ID.: | | | 1189323 | 1189324 | 1189325 | 1189326 | 1189327 | 1189328 | 1189329 | 1189330 | 1189331 |
| Order No.: 23/A/21 | | Client Sample Ref.: | | | TP109 | TP109 | TP110 | TP110 | TP111 | TP111 | TP112 | TP112 | TP112 |
| | | Client Sample ID.: | | | PM91 | PM93 | PM32 | PM34 | PM58 | PM60 | PM66 | PM67 | PM68 |
| | | Sample Type: | | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | Top Depth (m): | | | 1.50 | 2.50 | 0.50 | 1.50 | 0.50 | 1.50 | 0.50 | 1.50 | 2.50 |
| | | Bottom Depth (m): | | | 1.50 | 2.50 | 0.50 | 1.50 | 0.50 | 1.50 | 0.50 | 1.50 | 2.50 |
| | | Date Sampled: | | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | Asbestos Lab: | | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| Chromium (Hexavalent) | N | 2490 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Total Organic Carbon | M | 2625 | % | 0.20 | 1.6 | 0.58 | 1.5 | 0.41 | < 0.20 | 0.41 | < 0.20 | 0.39 | 1.0 |
| Mineral Oil | N | 2670 | mg/kg | 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Aliphatic TPH >C5-C6 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C6-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C16-C21 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Aliphatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Aromatic TPH >C5-C7 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C7-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C16-C21 | U | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Aromatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Total Petroleum Hydrocarbons | N | 2680 | mg/kg | 10.0 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Benzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | 1.5 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| m & p-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Methyl Tert-Butyl Ether | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Acenaphthylene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Acenaphthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Fluorene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Phenanthrene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.14 | < 0.10 | < 0.10 | < 0.10 | 0.25 |
| Anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Fluoranthene | M | 2800 | mg/kg | 0.10 | 0.14 | < 0.10 | < 0.10 | < 0.10 | 0.49 | < 0.10 | < 0.10 | < 0.10 | 0.36 |
| Pyrene | M | 2800 | mg/kg | 0.10 | 0.16 | < 0.10 | < 0.10 | < 0.10 | 0.40 | < 0.10 | < 0.10 | < 0.10 | 0.26 |
| Benzo[a]anthracene | M | 2800 | mg/kg | 0.10 | 0.13 | < 0.10 | < 0.10 | < 0.10 | 0.22 | < 0.10 | < 0.10 | < 0.10 | 0.16 |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | 1189323 | 1189324 | 1189325 | 1189326 | 1189327 | 1189328 | 1189329 | 1189330 | 1189331 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | TP109 | TP109 | TP110 | TP110 | TP111 | TP111 | TP112 | TP112 | TP112 |
| | | | | Client Sample ID.: | PM91 | PM93 | PM32 | PM34 | PM58 | PM60 | PM66 | PM67 | PM68 |
| | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | 1.50 | 2.50 | 0.50 | 1.50 | 0.50 | 1.50 | 0.50 | 1.50 | 2.50 |
| | | | | Bottom Depth (m): | 1.50 | 2.50 | 0.50 | 1.50 | 0.50 | 1.50 | 0.50 | 1.50 | 2.50 |
| | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| Chrysene | M | 2800 | mg/kg | 0.10 | 0.11 | < 0.10 | < 0.10 | < 0.10 | 0.24 | < 0.10 | < 0.10 | < 0.10 | 0.16 |
| Benzo[b]fluoranthene | M | 2800 | mg/kg | 0.10 | 0.18 | < 0.10 | < 0.10 | < 0.10 | 0.45 | < 0.10 | < 0.10 | < 0.10 | 0.22 |
| Benzo[k]fluoranthene | M | 2800 | mg/kg | 0.10 | 0.12 | < 0.10 | < 0.10 | < 0.10 | 0.18 | < 0.10 | < 0.10 | < 0.10 | 0.13 |
| Benzo[a]pyrene | M | 2800 | mg/kg | 0.10 | 0.14 | < 0.10 | < 0.10 | < 0.10 | 0.39 | < 0.10 | < 0.10 | < 0.10 | 0.18 |
| Indeno(1,2,3-c,d)Pyrene | M | 2800 | mg/kg | 0.10 | 0.14 | < 0.10 | < 0.10 | < 0.10 | 0.30 | < 0.10 | < 0.10 | < 0.10 | 0.12 |
| Dibenz(a,h)Anthracene | N | 2800 | mg/kg | 0.10 | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Benzo[g,h,i]perylene | M | 2800 | mg/kg | 0.10 | 0.14 | < 0.10 | < 0.10 | < 0.10 | 0.32 | < 0.10 | < 0.10 | < 0.10 | 0.13 |
| Coronene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Of 17 PAH's | N | 2800 | mg/kg | 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | 3.1 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| PCB 28 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 90+101 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | U | 2815 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | M | 2920 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | 1189332 | 1189333 | 1189334 | 1189335 | 1189336 | 1189337 | 1189338 | 1189339 | 1189340 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | TP112 | TP113 | TP113 | TP113 | TP113 | TP113 | TP114 | TP114 | TP114 |
| | | | | Client Sample ID.: | PM70 | PM94 | PM95 | PM96 | PM98 | PM99 | PM61 | PM63 | PM65 |
| | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | 3.50 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 | 0.50 | 1.50 | 2.50 |
| | | | | Bottom Depth (m): | 3.50 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 | 0.50 | 1.50 | 2.50 |
| | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | | DURHAM | DURHAM | |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| ACM Type | U | 2192 | | N/A | - | - | - | - | - | | - | - | |
| Asbestos Identification | U | 2192 | | N/A | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | | No Asbestos Detected | No Asbestos Detected | |
| ACM Detection Stage | U | 2192 | | N/A | - | - | - | - | - | | - | - | |
| Moisture | N | 2030 | % | 0.020 | 14 | 13 | 24 | 22 | 18 | 17 | 23 | 15 | 21 |
| Acid Soluble Sulphur | N | | % | 0.010 | 0.020 | | | | | 0.012 | | | 0.011 |
| Water Soluble Sulphur | N | | % | 0.010 | < 0.010 | | | | | < 0.010 | | | < 0.010 |
| Oxidisable Sulphides as SO4 | N | | % | 0.030 | 0.11 | | | | | 0.063 | | | 0.16 |
| Total Potential Sulphate as SO4 | N | 2175 | % | 0.030 | 0.17 | | | | | 0.099 | | | 0.19 |
| pH | M | 2010 | | 4.0 | 8.4 | 8.4 | 8.2 | 8.2 | 8.3 | 8.6 | 7.8 | 8.5 | 8.5 |
| Boron (Hot Water Soluble) | M | 2120 | mg/kg | 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | | < 0.40 | < 0.40 | |
| Magnesium (Water Soluble) | N | 2120 | g/l | 0.010 | < 0.010 | | | | | < 0.010 | | | < 0.010 |
| Sulphate (2:1 Water Soluble) as SO4 | M | 2120 | g/l | 0.010 | < 0.010 | | | | | < 0.010 | | | < 0.010 |
| Total Sulphur | M | 2175 | % | 0.010 | 0.056 | | | | | 0.033 | | | 0.063 |
| Sulphur (Elemental) | M | 2180 | mg/kg | 1.0 | < 1.0 | 3.9 | 25 | 17 | < 1.0 | | < 1.0 | < 1.0 | |
| Nitrate (Water Soluble) | N | 2220 | g/l | 0.010 | < 0.010 | | | | | < 0.010 | | | < 0.010 |
| Nitrate (Extractable) As N | N | 2220 | mg/kg | 1.0 | < 1.0 | 5.6 | < 1.0 | < 1.0 | < 1.0 | | 5.0 | < 1.0 | |
| Cyanide (Total) | M | 2300 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | < 0.50 | < 0.50 | |
| Sulphide (Easily Liberatable) | N | 2325 | mg/kg | 0.50 | 0.73 | 0.74 | 0.58 | 1.1 | 1.2 | | 1.2 | 0.90 | |
| Ammonium (Extractable) | M | 2425 | mg/kg | 0.50 | 13 | 9.1 | 22 | 24 | 22 | | 8.0 | 0.98 | |
| Aluminium (Total) | N | 2430 | mg/kg | 100 | 5800 | 10000 | 10000 | 9400 | 7400 | | 8300 | 4400 | |
| Phosphate (Total) | N | 2430 | mg/kg | 10 | 1100 | 1200 | 1900 | 1700 | 1200 | | 1700 | 800 | |
| Sulphate (Total) | M | 2430 | % | 0.010 | 0.10 | 0.094 | 0.15 | 0.13 | 0.10 | | 0.10 | 0.10 | |
| Sulphate (Acid Soluble) | M | 2430 | % | 0.010 | 0.059 | | | | | 0.036 | | | 0.034 |
| Arsenic | M | 2450 | mg/kg | 1.0 | 21 | 26 | 36 | 24 | 20 | | 16 | 24 | |
| Barium | M | 2450 | mg/kg | 10 | 44 | 55 | 130 | 100 | 56 | | 77 | 25 | |
| Cadmium | M | 2450 | mg/kg | 0.10 | 1.4 | 1.1 | 2.1 | 1.8 | 1.4 | | 1.9 | 1.3 | |
| Chromium | M | 2450 | mg/kg | 1.0 | 17 | 32 | 29 | 24 | 19 | | 20 | 12 | |
| Molybdenum | M | 2450 | mg/kg | 2.0 | 2.4 | < 2.0 | 3.0 | 2.4 | < 2.0 | | 3.1 | 3.0 | |
| Antimony | N | 2450 | mg/kg | 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | | < 2.0 | < 2.0 | |
| Copper | M | 2450 | mg/kg | 0.50 | 24 | 29 | 37 | 31 | 23 | | 45 | 23 | |
| Mercury | M | 2450 | mg/kg | 0.10 | < 0.10 | < 0.10 | 0.13 | 0.12 | < 0.10 | | 0.13 | < 0.10 | |
| Nickel | M | 2450 | mg/kg | 0.50 | 40 | 36 | 57 | 46 | 42 | | 53 | 37 | |
| Lead | M | 2450 | mg/kg | 0.50 | 20 | 25 | 49 | 40 | 24 | | 43 | 13 | |
| Selenium | M | 2450 | mg/kg | 0.20 | 0.35 | 0.31 | 0.66 | 0.78 | 0.42 | | 1.5 | < 0.20 | |
| Zinc | M | 2450 | mg/kg | 0.50 | 75 | 82 | 140 | 110 | 70 | | 110 | 56 | |
| Chromium (Trivalent) | N | 2490 | mg/kg | 1.0 | 17 | 32 | 29 | 24 | 19 | | 20 | 12 | |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | Chemtest Job No.: | | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | Chemtest Sample ID.: | | | 1189332 | 1189333 | 1189334 | 1189335 | 1189336 | 1189337 | 1189338 | 1189339 | 1189340 |
| Order No.: 23/A/21 | | Client Sample Ref.: | | | TP112 | TP113 | TP113 | TP113 | TP113 | TP113 | TP114 | TP114 | TP114 |
| | | Client Sample ID.: | | | PM70 | PM94 | PM95 | PM96 | PM98 | PM99 | PM61 | PM63 | PM65 |
| | | Sample Type: | | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | Top Depth (m): | | | 3.50 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 | 0.50 | 1.50 | 2.50 |
| | | Bottom Depth (m): | | | 3.50 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 | 0.50 | 1.50 | 2.50 |
| | | Date Sampled: | | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | Asbestos Lab: | | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | | DURHAM | DURHAM | |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| Chromium (Hexavalent) | N | 2490 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | < 0.50 | < 0.50 | |
| Total Organic Carbon | M | 2625 | % | 0.20 | 1.0 | 0.74 | 1.2 | 1.7 | 1.0 | | 2.4 | < 0.20 | |
| Mineral Oil | N | 2670 | mg/kg | 10 | < 10 | < 10 | < 10 | < 10 | < 10 | | < 10 | < 10 | |
| Aliphatic TPH >C5-C6 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aliphatic TPH >C6-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aliphatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aliphatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aliphatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aliphatic TPH >C16-C21 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aliphatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aliphatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Total Aliphatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | | < 5.0 | < 5.0 | |
| Aromatic TPH >C5-C7 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aromatic TPH >C7-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aromatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aromatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aromatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aromatic TPH >C16-C21 | U | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aromatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Aromatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Total Aromatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | | < 5.0 | < 5.0 | |
| Total Petroleum Hydrocarbons | N | 2680 | mg/kg | 10.0 | < 10 | < 10 | < 10 | < 10 | < 10 | | < 10 | < 10 | |
| Benzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Toluene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Ethylbenzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| m & p-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| o-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Methyl Tert-Butyl Ether | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | |
| Naphthalene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Acenaphthylene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Acenaphthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Fluorene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Phenanthrene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Fluoranthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | 0.23 | 0.11 | < 0.10 | | < 0.10 | < 0.10 | |
| Pyrene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | 0.20 | 0.12 | < 0.10 | | < 0.10 | < 0.10 | |
| Benzo[a]anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | 0.11 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | | Chemtest Sample ID.: | 1189332 | 1189333 | 1189334 | 1189335 | 1189336 | 1189337 | 1189338 | 1189339 | 1189340 |
| Order No.: 23/A/21 | | | | | Client Sample Ref.: | TP112 | TP113 | TP113 | TP113 | TP113 | TP113 | TP114 | TP114 | TP114 |
| | | | | | Client Sample ID.: | PM70 | PM94 | PM95 | PM96 | PM98 | PM99 | PM61 | PM63 | PM65 |
| | | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | | Top Depth (m): | 3.50 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 | 0.50 | 1.50 | 2.50 |
| | | | | | Bottom Depth (m): | 3.50 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 | 0.50 | 1.50 | 2.50 |
| | | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | | DURHAM | DURHAM | |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | | |
| Chrysene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | 0.17 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Benzo[b]fluoranthene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Benzo[k]fluoranthene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Benzo[a]pyrene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Indeno(1,2,3-c,d)Pyrene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Dibenz(a,h)Anthracene | N | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Benzo[g,h,i]perylene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Coronene | N | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Total Of 17 PAH's | N | 2800 | mg/kg | 2.0 | | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | | < 2.0 | < 2.0 | |
| PCB 28 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 52 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 90+101 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 118 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 153 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 138 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| PCB 180 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | |
| Total PCBs (7 Congeners) | U | 2815 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |
| Total Phenols | M | 2920 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | 1189341 | 1189342 | 1189343 | 1189344 | 1189345 | 1189346 | 1189347 | 1189348 | 1189349 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | TP115 | TP115 | TP115 | TP115 | TP116 | TP116 | TP116 | TP116 | TP116 |
| | | | | Client Sample ID.: | PM85 | PM86 | PM87 | PM88 | PM73 | PM74 | PM75 | PM76 | PM78 |
| | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | 0.50 | 1.50 | 2.50 | 3.00 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 |
| | | | | Bottom Depth (m): | 0.50 | 1.50 | 2.50 | 3.00 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 |
| | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| ACM Type | U | 2192 | | N/A | - | - | - | - | - | - | - | - | - |
| Asbestos Identification | U | 2192 | | N/A | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected |
| ACM Detection Stage | U | 2192 | | N/A | - | - | - | - | - | - | - | - | - |
| Moisture | N | 2030 | % | 0.020 | 28 | 24 | 23 | 15 | 56 | 24 | 18 | 13 | 24 |
| Acid Soluble Sulphur | N | | % | 0.010 | | | | 0.011 | | | | | 0.023 |
| Water Soluble Sulphur | N | | % | 0.010 | | | | < 0.010 | | | | | < 0.010 |
| Oxidisable Sulphides as SO4 | N | | % | 0.030 | | | | 0.056 | | | | | 0.23 |
| Total Potential Sulphate as SO4 | N | 2175 | % | 0.030 | | | | 0.090 | | | | | 0.30 |
| pH | M | 2010 | | 4.0 | 8.3 | 8.2 | 8.1 | 8.4 | 8.2 | 8.0 | 8.5 | 8.5 | 8.1 |
| Boron (Hot Water Soluble) | M | 2120 | mg/kg | 0.40 | < 0.40 | 0.52 | 0.51 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 |
| Magnesium (Water Soluble) | N | 2120 | g/l | 0.010 | | | | < 0.010 | | | | | < 0.010 |
| Sulphate (2:1 Water Soluble) as SO4 | M | 2120 | g/l | 0.010 | | | | < 0.010 | | | | | < 0.010 |
| Total Sulphur | M | 2175 | % | 0.010 | | | | 0.030 | | | | | 0.10 |
| Sulphur (Elemental) | M | 2180 | mg/kg | 1.0 | 3.1 | 3.7 | 5.0 | < 1.0 | 2.4 | 8.9 | < 1.0 | 1.6 | < 1.0 |
| Nitrate (Water Soluble) | N | 2220 | g/l | 0.010 | | | | < 0.010 | | | | | < 0.010 |
| Nitrate (Extractable) As N | N | 2220 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 9.8 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Cyanide (Total) | M | 2300 | mg/kg | 0.50 | < 0.50 | 0.50 | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Sulphide (Easily Liberatable) | N | 2325 | mg/kg | 0.50 | 1.8 | 1.8 | 1.5 | 1.5 | 0.83 | 0.89 | 0.87 | 0.96 | 0.98 |
| Ammonium (Extractable) | M | 2425 | mg/kg | 0.50 | 12 | 78 | 100 | 3.3 | 7.0 | 7.9 | 1.7 | 2.2 | 94 |
| Aluminium (Total) | N | 2430 | mg/kg | 100 | 9300 | 7700 | 7000 | 5600 | 7200 | 8900 | 4600 | 5500 | 5000 |
| Phosphate (Total) | N | 2430 | mg/kg | 10 | 2200 | 2100 | 1800 | 780 | 1100 | 1600 | 690 | 890 | 1400 |
| Sulphate (Total) | M | 2430 | % | 0.010 | 0.20 | 0.20 | 0.16 | 0.077 | 0.22 | 0.17 | 0.083 | 0.092 | 0.13 |
| Sulphate (Acid Soluble) | M | 2430 | % | 0.010 | | | | 0.034 | | | | | 0.068 |
| Arsenic | M | 2450 | mg/kg | 1.0 | 30 | 25 | 23 | 22 | 32 | 18 | 27 | 28 | 19 |
| Barium | M | 2450 | mg/kg | 10 | 110 | 90 | 78 | 31 | 51 | 81 | 22 | 27 | 63 |
| Cadmium | M | 2450 | mg/kg | 0.10 | 1.7 | 1.5 | 1.3 | 1.3 | 1.5 | 2.0 | 1.5 | 1.5 | 1.5 |
| Chromium | M | 2450 | mg/kg | 1.0 | 24 | 20 | 18 | 13 | 27 | 22 | 12 | 14 | 13 |
| Molybdenum | M | 2450 | mg/kg | 2.0 | 2.1 | < 2.0 | < 2.0 | 2.9 | 3.0 | 3.2 | 4.8 | 3.7 | < 2.0 |
| Antimony | N | 2450 | mg/kg | 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | 4.7 | 2.7 | < 2.0 |
| Copper | M | 2450 | mg/kg | 0.50 | 33 | 28 | 25 | 25 | 29 | 32 | 26 | 28 | 18 |
| Mercury | M | 2450 | mg/kg | 0.10 | 0.16 | 0.14 | 0.11 | < 0.10 | < 0.10 | 0.12 | < 0.10 | < 0.10 | 0.10 |
| Nickel | M | 2450 | mg/kg | 0.50 | 41 | 35 | 31 | 47 | 43 | 50 | 51 | 54 | 22 |
| Lead | M | 2450 | mg/kg | 0.50 | 52 | 43 | 66 | 14 | 24 | 32 | 14 | 16 | 29 |
| Selenium | M | 2450 | mg/kg | 0.20 | 1.6 | 1.4 | 1.1 | 0.30 | 0.36 | 0.85 | 0.27 | 0.38 | 0.83 |
| Zinc | M | 2450 | mg/kg | 0.50 | 120 | 95 | 90 | 54 | 79 | 95 | 72 | 74 | 64 |
| Chromium (Trivalent) | N | 2490 | mg/kg | 1.0 | 24 | 20 | 18 | 13 | 27 | 22 | 12 | 14 | 13 |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | Chemtest Job No.: | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | Chemtest Sample ID.: | | 1189341 | 1189342 | 1189343 | 1189344 | 1189345 | 1189346 | 1189347 | 1189348 | 1189349 |
| Order No.: 23/A/21 | | | Client Sample Ref.: | | TP115 | TP115 | TP115 | TP115 | TP116 | TP116 | TP116 | TP116 | TP116 |
| | | | Client Sample ID.: | | PM85 | PM86 | PM87 | PM88 | PM73 | PM74 | PM75 | PM76 | PM78 |
| | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | Top Depth (m): | | 0.50 | 1.50 | 2.50 | 3.00 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 |
| | | | Bottom Depth (m): | | 0.50 | 1.50 | 2.50 | 3.00 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 |
| | | | Date Sampled: | | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | Asbestos Lab: | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| Chromium (Hexavalent) | N | 2490 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Total Organic Carbon | M | 2625 | % | 0.20 | 2.4 | 3.4 | 3.1 | 0.22 | 0.65 | 1.9 | < 0.20 | 0.20 | 3.0 |
| Mineral Oil | N | 2670 | mg/kg | 10 | < 10 | 14 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |
| Aliphatic TPH >C5-C6 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C6-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C16-C21 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | 14 | 8.4 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Aliphatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | 14 | 8.4 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 |
| Aromatic TPH >C5-C7 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C7-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C16-C21 | U | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | 68 | 87 | 46 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 40 |
| Aromatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Aromatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | 68 | 87 | 46 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | 40 |
| Total Petroleum Hydrocarbons | N | 2680 | mg/kg | 10.0 | 68 | 100 | 55 | < 10 | < 10 | < 10 | < 10 | < 10 | 40 |
| Benzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 1.5 |
| Ethylbenzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| m & p-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Methyl Tert-Butyl Ether | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.14 |
| Acenaphthylene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.74 |
| Acenaphthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.28 |
| Fluorene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.71 |
| Phenanthrene | M | 2800 | mg/kg | 0.10 | 1.2 | 0.98 | 2.3 | < 0.10 | 0.70 | < 0.10 | < 0.10 | < 0.10 | 3.8 |
| Anthracene | M | 2800 | mg/kg | 0.10 | 0.63 | 0.31 | 0.90 | < 0.10 | 0.26 | < 0.10 | < 0.10 | < 0.10 | 1.3 |
| Fluoranthene | M | 2800 | mg/kg | 0.10 | 2.6 | 1.8 | 2.4 | < 0.10 | 2.0 | < 0.10 | < 0.10 | < 0.10 | 3.3 |
| Pyrene | M | 2800 | mg/kg | 0.10 | 2.1 | 1.5 | 2.0 | < 0.10 | 1.5 | < 0.10 | < 0.10 | < 0.10 | 2.2 |
| Benzo[a]anthracene | M | 2800 | mg/kg | 0.10 | 1.3 | 0.69 | 1.0 | < 0.10 | 0.86 | < 0.10 | < 0.10 | < 0.10 | 1.3 |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
| Order No.: 23/A/21 | | | | Chemtest Sample ID.: | 1189341 | 1189342 | 1189343 | 1189344 | 1189345 | 1189346 | 1189347 | 1189348 | 1189349 |
| | | | | Client Sample Ref.: | TP115 | TP115 | TP115 | TP115 | TP116 | TP116 | TP116 | TP116 | TP116 |
| | | | | Client Sample ID.: | PM85 | PM86 | PM87 | PM88 | PM73 | PM74 | PM75 | PM76 | PM78 |
| | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | 0.50 | 1.50 | 2.50 | 3.00 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 |
| | | | | Bottom Depth (m): | 0.50 | 1.50 | 2.50 | 3.00 | 0.50 | 1.50 | 2.50 | 3.50 | 4.00 |
| | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 | 23-Apr-2021 |
| | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| Chrysene | M | 2800 | mg/kg | 0.10 | 1.1 | 0.73 | 1.0 | < 0.10 | 0.76 | < 0.10 | < 0.10 | < 0.10 | 1.1 |
| Benzo[b]fluoranthene | M | 2800 | mg/kg | 0.10 | 1.4 | 1.1 | 0.97 | < 0.10 | 0.87 | < 0.10 | < 0.10 | < 0.10 | 1.1 |
| Benzo[k]fluoranthene | M | 2800 | mg/kg | 0.10 | 0.53 | 0.30 | 0.40 | < 0.10 | 0.39 | < 0.10 | < 0.10 | < 0.10 | 0.35 |
| Benzo[a]pyrene | M | 2800 | mg/kg | 0.10 | 1.2 | 0.85 | 1.0 | < 0.10 | 0.82 | < 0.10 | < 0.10 | < 0.10 | 1.1 |
| Indeno(1,2,3-c,d)Pyrene | M | 2800 | mg/kg | 0.10 | 0.59 | 0.61 | 0.41 | < 0.10 | 0.57 | < 0.10 | < 0.10 | < 0.10 | 0.56 |
| Dibenz(a,h)Anthracene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Benzo[g,h,i]perylene | M | 2800 | mg/kg | 0.10 | 0.57 | 0.47 | 0.60 | < 0.10 | 0.42 | < 0.10 | < 0.10 | < 0.10 | 0.45 |
| Coronene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Of 17 PAH's | N | 2800 | mg/kg | 2.0 | 13 | 9.3 | 13 | < 2.0 | 9.2 | < 2.0 | < 2.0 | < 2.0 | 18 |
| PCB 28 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 90+101 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | U | 2815 | mg/kg | 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | U | 2815 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | M | 2920 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | 1189350 | 1189351 | 1189352 | 1189353 | 1189354 | 1189355 | 1189356 | 1189357 | 1189358 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | TP117 | TP117 | BH101 | BH101 | BH101 | BH102 | BH102 | BH102 | BH102 |
| | | | | Client Sample ID.: | PM80 | PM82 | GM01 | GM02 | GM05 | GM06 | GM08 | GM10 | GM12 |
| | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | 0.50 | 1.50 | 0.50 | 1.00 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 |
| | | | | Bottom Depth (m): | 0.50 | 1.50 | 0.50 | 1.00 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 |
| | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 |
| | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| ACM Type | U | 2192 | | N/A | - | - | - | | - | - | - | - | - |
| Asbestos Identification | U | 2192 | | N/A | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected |
| ACM Detection Stage | U | 2192 | | N/A | - | - | - | | - | - | - | - | - |
| Moisture | N | 2030 | % | 0.020 | 24 | 19 | 9.5 | 26 | 15 | 13 | 17 | 16 | 22 |
| Acid Soluble Sulphur | N | | % | 0.010 | 0.011 | | | < 0.010 | | | | | 0.013 |
| Water Soluble Sulphur | N | | % | 0.010 | < 0.010 | | | < 0.010 | | | | | < 0.010 |
| Oxidisable Sulphides as SO4 | N | | % | 0.030 | 0.042 | | | 0.48 | | | | | < 0.030 |
| Total Potential Sulphate as SO4 | N | 2175 | % | 0.030 | 0.075 | | | 0.51 | | | | | < 0.030 |
| pH | M | 2010 | | 4.0 | 8.1 | 8.5 | 8.4 | 8.3 | 8.3 | 8.4 | 8.6 | 8.6 | 8.6 |
| Boron (Hot Water Soluble) | M | 2120 | mg/kg | 0.40 | < 0.40 | < 0.40 | < 0.40 | | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 |
| Magnesium (Water Soluble) | N | 2120 | g/l | 0.010 | < 0.010 | | | < 0.010 | | | | | < 0.010 |
| Sulphate (2:1 Water Soluble) as SO4 | M | 2120 | g/l | 0.010 | < 0.010 | | | < 0.010 | | | | | < 0.010 |
| Total Sulphur | M | 2175 | % | 0.010 | 0.025 | | | 0.17 | | | | | < 0.010 |
| Sulphur (Elemental) | M | 2180 | mg/kg | 1.0 | 1.2 | 2.0 | < 1.0 | | 35 | < 1.0 | 18 | 20 | < 1.0 |
| Nitrate (Water Soluble) | N | 2220 | g/l | 0.010 | < 0.010 | | | < 0.010 | | | | | < 0.010 |
| Nitrate (Extractable) As N | N | 2220 | mg/kg | 1.0 | 2.4 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | 4.8 | 2.3 | 1.6 |
| Cyanide (Total) | M | 2300 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Sulphide (Easily Liberatable) | N | 2325 | mg/kg | 0.50 | 1.0 | 1.0 | 1.2 | | 1.5 | 1.5 | 1.5 | 0.73 | 1.2 |
| Ammonium (Extractable) | M | 2425 | mg/kg | 0.50 | 1.6 | 0.51 | 4.2 | | 27 | 5.6 | 1.0 | 1.1 | 0.82 |
| Aluminium (Total) | N | 2430 | mg/kg | 100 | 9300 | 4600 | 9000 | | 6900 | 4900 | 4500 | 5600 | 4800 |
| Phosphate (Total) | N | 2430 | mg/kg | 10 | 410 | 3600 | 2000 | | 1400 | 870 | 1100 | 1300 | 810 |
| Sulphate (Total) | M | 2430 | % | 0.010 | 0.029 | 0.067 | 0.085 | | 0.12 | 0.12 | 0.091 | 0.20 | 0.088 |
| Sulphate (Acid Soluble) | M | 2430 | % | 0.010 | 0.033 | | | 0.029 | | | | | 0.039 |
| Arsenic | M | 2450 | mg/kg | 1.0 | 15 | 25 | 88 | | 58 | 26 | 31 | 33 | 24 |
| Barium | M | 2450 | mg/kg | 10 | 53 | 25 | 120 | | 96 | 56 | 59 | 76 | 24 |
| Cadmium | M | 2450 | mg/kg | 0.10 | 1.1 | 1.2 | 2.3 | | 2.2 | 0.70 | 1.6 | 0.81 | 0.92 |
| Chromium | M | 2450 | mg/kg | 1.0 | 21 | 13 | 27 | | 21 | 16 | 13 | 18 | 12 |
| Molybdenum | M | 2450 | mg/kg | 2.0 | 2.5 | 3.3 | 5.2 | | 5.3 | < 2.0 | < 2.0 | 2.0 | 3.3 |
| Antimony | N | 2450 | mg/kg | 2.0 | 2.1 | < 2.0 | 3.7 | | 3.4 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Copper | M | 2450 | mg/kg | 0.50 | 27 | 24 | 42 | | 34 | 17 | 25 | 24 | 25 |
| Mercury | M | 2450 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Nickel | M | 2450 | mg/kg | 0.50 | 42 | 45 | 65 | | 55 | 27 | 27 | 32 | 44 |
| Lead | M | 2450 | mg/kg | 0.50 | 24 | 14 | 71 | | 49 | 23 | 28 | 31 | 15 |
| Selenium | M | 2450 | mg/kg | 0.20 | 0.59 | 0.43 | 0.86 | | 0.91 | 0.24 | < 0.20 | 0.36 | 0.49 |
| Zinc | M | 2450 | mg/kg | 0.50 | 89 | 54 | 270 | | 180 | 58 | 150 | 78 | 37 |
| Chromium (Trivalent) | N | 2490 | mg/kg | 1.0 | 21 | 13 | 27 | | 21 | 16 | 13 | 18 | 12 |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | Chemtest Job No.: | | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | Chemtest Sample ID.: | | 1189350 | 1189351 | 1189352 | 1189353 | 1189354 | 1189355 | 1189356 | 1189357 | 1189358 |
| Order No.: 23/A/21 | | | Client Sample Ref.: | | TP117 | TP117 | BH101 | BH101 | BH101 | BH102 | BH102 | BH102 | BH102 |
| | | | Client Sample ID.: | | PM80 | PM82 | GM01 | GM02 | GM05 | GM06 | GM08 | GM10 | GM12 |
| | | | Sample Type: | | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | Top Depth (m): | | 0.50 | 1.50 | 0.50 | 1.00 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 |
| | | | Bottom Depth (m): | | 0.50 | 1.50 | 0.50 | 1.00 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 |
| | | | Date Sampled: | | 23-Apr-2021 | 23-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 |
| | | | Asbestos Lab: | | DURHAM | DURHAM | DURHAM | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| Chromium (Hexavalent) | N | 2490 | mg/kg | 0.50 | < 0.50 | < 0.50 | < 0.50 | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Total Organic Carbon | M | 2625 | % | 0.20 | 0.71 | < 0.20 | 0.71 | | 0.66 | 1.3 | 1.4 | 1.4 | < 0.20 |
| Mineral Oil | N | 2670 | mg/kg | 10 | < 10 | < 10 | < 10 | | < 10 | < 10 | 87 | < 10 | < 10 |
| Aliphatic TPH >C5-C6 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C6-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C16-C21 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aliphatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | 87 | < 1.0 | < 1.0 |
| Aliphatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Aliphatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | | < 5.0 | < 5.0 | 87 | < 5.0 | < 5.0 |
| Aromatic TPH >C5-C7 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C7-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Aromatic TPH >C16-C21 | U | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | 6.9 | 28 | 320 | < 1.0 | < 1.0 |
| Aromatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | 85 | 280 | 1400 | 140 | < 1.0 |
| Aromatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Total Aromatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | < 5.0 | < 5.0 | | 91 | 310 | 1700 | 140 | < 5.0 |
| Total Petroleum Hydrocarbons | N | 2680 | mg/kg | 10.0 | < 10 | < 10 | < 10 | | 91 | 310 | 1800 | 140 | < 10 |
| Benzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Toluene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| m & p-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| o-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Methyl Tert-Butyl Ether | M | 2760 | µg/kg | 1.0 | < 1.0 | < 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | | 0.81 | 0.34 | 0.15 | 0.23 | < 0.10 |
| Acenaphthylene | N | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | | 0.52 | 0.32 | 0.26 | 0.18 | < 0.10 |
| Acenaphthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | | 0.50 | 0.46 | 0.61 | 0.34 | < 0.10 |
| Fluorene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | < 0.10 | | 1.0 | 0.46 | 0.44 | 0.15 | < 0.10 |
| Phenanthrene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | 0.44 | | 4.1 | 3.5 | 4.0 | 2.2 | < 0.10 |
| Anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | 0.77 | | 1.6 | 1.8 | 1.6 | 1.0 | < 0.10 |
| Fluoranthene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | 0.61 | | 5.0 | 8.7 | 14 | 13 | < 0.10 |
| Pyrene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | 0.35 | | 3.4 | 7.5 | 13 | 13 | < 0.10 |
| Benzo[a]anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | < 0.10 | 0.38 | | 2.4 | 4.5 | 7.9 | 8.0 | < 0.10 |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | | Chemtest Sample ID.: | 1189350 | 1189351 | 1189352 | 1189353 | 1189354 | 1189355 | 1189356 | 1189357 | 1189358 |
| Order No.: 23/A/21 | | | | | Client Sample Ref.: | TP117 | TP117 | BH101 | BH101 | BH101 | BH102 | BH102 | BH102 | BH102 |
| | | | | | Client Sample ID.: | PM80 | PM82 | GM01 | GM02 | GM05 | GM06 | GM08 | GM10 | GM12 |
| | | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | | Top Depth (m): | 0.50 | 1.50 | 0.50 | 1.00 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 |
| | | | | | Bottom Depth (m): | 0.50 | 1.50 | 0.50 | 1.00 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 |
| | | | | | Date Sampled: | 23-Apr-2021 | 23-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 |
| | | | | | Asbestos Lab: | DURHAM | DURHAM | DURHAM | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | | |
| Chrysene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | 0.58 | | 1.7 | 4.0 | 7.4 | 7.6 | < 0.10 |
| Benzo[b]fluoranthene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | 2.1 | 6.5 | 13 | 13 | < 0.10 |
| Benzo[k]fluoranthene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | 0.70 | 2.4 | 4.5 | 4.8 | < 0.10 |
| Benzo[a]pyrene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | 1.7 | 5.7 | 10 | 12 | < 0.10 |
| Indeno(1,2,3-c,d)Pyrene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | 0.94 | 3.4 | 6.3 | 7.0 | < 0.10 |
| Dibenz(a,h)Anthracene | N | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | 0.79 | 1.6 | 1.8 | < 0.10 |
| Benzo[g,h,i]perylene | M | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | 0.75 | 3.0 | 6.4 | 6.0 | < 0.10 |
| Coronene | N | 2800 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Of 17 PAH's | N | 2800 | mg/kg | 2.0 | | < 2.0 | < 2.0 | 3.1 | | 27 | 53 | 91 | 90 | < 2.0 |
| PCB 28 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 90+101 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | U | 2815 | mg/kg | 0.010 | | < 0.010 | < 0.010 | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | U | 2815 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | M | 2920 | mg/kg | 0.10 | | < 0.10 | < 0.10 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | Chemtest Sample ID.: | 1189359 | 1189360 | 1189361 | 1189362 | 1189363 | 1189364 | 1189365 | 1189366 | 1189367 |
| Order No.: 23/A/21 | | | | Client Sample Ref.: | BH103 | BH103 | BH104 | BH104 | BH104 | BH104 | BH105 | BH105 | BH105 |
| | | | | Client Sample ID.: | GM13 | GM16 | GM19 | GM21 | GM23 | GM25 | JOI01 | JOI03 | JOI05 |
| | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | Top Depth (m): | 0.50 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 | 0.50 | 1.00 | 2.00 |
| | | | | Bottom Depth (m): | 0.50 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 | 0.50 | 1.00 | 2.00 |
| | | | | Date Sampled: | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 25-Apr-2021 | 25-Apr-2021 | 25-Apr-2021 | 25-Apr-2021 |
| | | | | Asbestos Lab: | DURHAM | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | |
| ACM Type | U | 2192 | | N/A | - | | - | - | - | - | - | - | - |
| Asbestos Identification | U | 2192 | | N/A | No Asbestos Detected | | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected | No Asbestos Detected |
| ACM Detection Stage | U | 2192 | | N/A | - | | - | - | - | - | - | - | - |
| Moisture | N | 2030 | % | 0.020 | 26 | 36 | 22 | 21 | 31 | 17 | 22 | 30 | 37 |
| Acid Soluble Sulphur | N | | % | 0.010 | | 0.011 | | | | 0.019 | | | 0.023 |
| Water Soluble Sulphur | N | | % | 0.010 | | < 0.010 | | | | < 0.010 | | | < 0.010 |
| Oxidisable Sulphides as SO4 | N | | % | 0.030 | | 0.11 | | | | 0.063 | | | 0.59 |
| Total Potential Sulphate as SO4 | N | 2175 | % | 0.030 | | 0.15 | | | | 0.12 | | | 0.66 |
| pH | M | 2010 | | 4.0 | 8.4 | 8.7 | 8.3 | 11.2 | 8.9 | 9.2 | 8.8 | 8.4 | 8.6 |
| Boron (Hot Water Soluble) | M | 2120 | mg/kg | 0.40 | < 0.40 | | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 | < 0.40 |
| Magnesium (Water Soluble) | N | 2120 | g/l | 0.010 | | < 0.010 | | | | < 0.010 | | | < 0.010 |
| Sulphate (2:1 Water Soluble) as SO4 | M | 2120 | g/l | 0.010 | | < 0.010 | | | | < 0.010 | | | < 0.010 |
| Total Sulphur | M | 2175 | % | 0.010 | | 0.049 | | | | 0.040 | | | 0.22 |
| Sulphur (Elemental) | M | 2180 | mg/kg | 1.0 | < 1.0 | | 2.5 | 1.5 | 4.6 | 2.2 | 8.4 | 33 | 3.4 |
| Nitrate (Water Soluble) | N | 2220 | g/l | 0.010 | | < 0.010 | | | | < 0.010 | | | < 0.010 |
| Nitrate (Extractable) As N | N | 2220 | mg/kg | 1.0 | 4.1 | | 7.9 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 3.6 | < 1.0 |
| Cyanide (Total) | M | 2300 | mg/kg | 0.50 | < 0.50 | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Sulphide (Easily Liberatable) | N | 2325 | mg/kg | 0.50 | 1.2 | | 0.78 | 0.81 | 1.1 | 1.1 | 1.1 | 0.89 | 0.92 |
| Ammonium (Extractable) | M | 2425 | mg/kg | 0.50 | 1.1 | | 5.6 | 2.4 | 6.0 | 2.3 | 5.4 | 24 | 2.6 |
| Aluminium (Total) | N | 2430 | mg/kg | 100 | 8200 | | 3100 | 4000 | 8700 | 3400 | 16000 | 10000 | 2800 |
| Phosphate (Total) | N | 2430 | mg/kg | 10 | 1000 | | 860 | 930 | 1500 | 350 | 2000 | 2000 | 460 |
| Sulphate (Total) | M | 2430 | % | 0.010 | 0.064 | | 0.13 | 0.23 | 0.12 | 0.69 | 0.082 | 0.19 | 0.11 |
| Sulphate (Acid Soluble) | M | 2430 | % | 0.010 | | 0.033 | | | | 0.057 | | | 0.069 |
| Arsenic | M | 2450 | mg/kg | 1.0 | 13 | | 26 | 32 | 24 | 27 | 96 | 27 | 16 |
| Barium | M | 2450 | mg/kg | 10 | 67 | | 44 | 75 | 80 | 18 | 200 | 88 | 17 |
| Cadmium | M | 2450 | mg/kg | 0.10 | 1.8 | | 1.5 | 3.3 | 1.6 | 1.6 | 1.1 | 1.8 | 0.50 |
| Chromium | M | 2450 | mg/kg | 1.0 | 19 | | 10 | 14 | 19 | 7.7 | 55 | 24 | 7.6 |
| Molybdenum | M | 2450 | mg/kg | 2.0 | 2.5 | | 3.2 | 4.1 | 2.2 | 5.2 | 3.0 | 3.0 | < 2.0 |
| Antimony | N | 2450 | mg/kg | 2.0 | < 2.0 | | < 2.0 | 2.8 | < 2.0 | < 2.0 | < 2.0 | < 2.0 | < 2.0 |
| Copper | M | 2450 | mg/kg | 0.50 | 28 | | 19 | 30 | 31 | 31 | 48 | 38 | 15 |
| Mercury | M | 2450 | mg/kg | 0.10 | < 0.10 | | < 0.10 | 0.16 | 0.13 | < 0.10 | < 0.10 | 0.14 | < 0.10 |
| Nickel | M | 2450 | mg/kg | 0.50 | 49 | | 31 | 37 | 45 | 50 | 68 | 55 | 31 |
| Lead | M | 2450 | mg/kg | 0.50 | 24 | | 33 | 67 | 36 | 15 | 76 | 48 | 8.3 |
| Selenium | M | 2450 | mg/kg | 0.20 | 0.92 | | 0.63 | 0.71 | 0.81 | 2.7 | 0.39 | 1.0 | < 0.20 |
| Zinc | M | 2450 | mg/kg | 0.50 | 93 | | 170 | 360 | 86 | 88 | 150 | 110 | 23 |
| Chromium (Trivalent) | N | 2490 | mg/kg | 1.0 | 19 | | 10 | 14 | 19 | 7.7 | 55 | 24 | 7.6 |

# Results - Soil

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Client: Site Investigations Ltd | | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | | Chemtest Sample ID.: | 1189359 | 1189360 | 1189361 | 1189362 | 1189363 | 1189364 | 1189365 | 1189366 | 1189367 |
| Order No.: 23/A/21 | | | | | Client Sample Ref.: | BH103 | BH103 | BH104 | BH104 | BH104 | BH104 | BH105 | BH105 | BH105 |
| | | | | | Client Sample ID.: | GM13 | GM16 | GM19 | GM21 | GM23 | GM25 | JOI01 | JOI03 | JOI05 |
| | | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | | Top Depth (m): | 0.50 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 | 0.50 | 1.00 | 2.00 |
| | | | | | Bottom Depth (m): | 0.50 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 | 0.50 | 1.00 | 2.00 |
| | | | | | Date Sampled: | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 25-Apr-2021 | 25-Apr-2021 | 25-Apr-2021 | 25-Apr-2021 |
| | | | | | Asbestos Lab: | DURHAM | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | | |
| Chromium (Hexavalent) | N | 2490 | mg/kg | 0.50 | < 0.50 | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Total Organic Carbon | M | 2625 | % | 0.20 | 1.2 | | 1.2 | 0.55 | 1.2 | 0.29 | 0.54 | 1.5 | 0.25 | |
| Mineral Oil | N | 2670 | mg/kg | 10 | < 10 | | < 10 | < 10 | < 10 | < 10 | < 10 | 21 | < 10 | |
| Aliphatic TPH >C5-C6 | N | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aliphatic TPH >C6-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aliphatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aliphatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aliphatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aliphatic TPH >C16-C21 | M | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aliphatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aliphatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 21 | < 1.0 | |
| Total Aliphatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | |
| Aromatic TPH >C5-C7 | N | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aromatic TPH >C7-C8 | N | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aromatic TPH >C8-C10 | M | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aromatic TPH >C10-C12 | M | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aromatic TPH >C12-C16 | M | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aromatic TPH >C16-C21 | U | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Aromatic TPH >C21-C35 | M | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 100 | |
| Aromatic TPH >C35-C44 | N | 2680 | mg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Total Aromatic Hydrocarbons | N | 2680 | mg/kg | 5.0 | < 5.0 | | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | 100 | |
| Total Petroleum Hydrocarbons | N | 2680 | mg/kg | 10.0 | < 10 | | < 10 | < 10 | < 10 | < 10 | < 10 | 21 | 100 | |
| Benzene | M | 2760 | µg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Toluene | M | 2760 | µg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Ethylbenzene | M | 2760 | µg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| m & p-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| o-Xylene | M | 2760 | µg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Methyl Tert-Butyl Ether | M | 2760 | µg/kg | 1.0 | < 1.0 | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | |
| Naphthalene | M | 2800 | mg/kg | 0.10 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | |
| Acenaphthylene | N | 2800 | mg/kg | 0.10 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | |
| Acenaphthene | M | 2800 | mg/kg | 0.10 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | |
| Fluorene | M | 2800 | mg/kg | 0.10 | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | |
| Phenanthrene | M | 2800 | mg/kg | 0.10 | < 0.10 | | 1.1 | 0.18 | < 0.10 | 0.17 | 0.24 | 0.45 | 0.14 | |
| Anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | | 0.36 | 0.12 | < 0.10 | 0.16 | 0.16 | 0.22 | < 0.10 | |
| Fluoranthene | M | 2800 | mg/kg | 0.10 | < 0.10 | | 2.5 | 0.40 | < 0.10 | 0.35 | 0.32 | 0.87 | 0.32 | |
| Pyrene | M | 2800 | mg/kg | 0.10 | < 0.10 | | 2.0 | 0.42 | < 0.10 | 0.23 | 0.32 | 0.87 | 0.17 | |
| Benzo[a]anthracene | M | 2800 | mg/kg | 0.10 | < 0.10 | | 1.1 | 0.39 | < 0.10 | < 0.10 | 0.26 | 0.47 | < 0.10 | |

# Results - Soil

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| Client: Site Investigations Ltd | | | | | Chemtest Job No.: | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 | 21-13928 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quotation No.: Q21-23690 | | | | | Chemtest Sample ID.: | 1189359 | 1189360 | 1189361 | 1189362 | 1189363 | 1189364 | 1189365 | 1189366 | 1189367 |
| Order No.: 23/A/21 | | | | | Client Sample Ref.: | BH103 | BH103 | BH104 | BH104 | BH104 | BH104 | BH105 | BH105 | BH105 |
| | | | | | Client Sample ID.: | GM13 | GM16 | GM19 | GM21 | GM23 | GM25 | JOI01 | JOI03 | JOI05 |
| | | | | | Sample Type: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | | | | | Top Depth (m): | 0.50 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 | 0.50 | 1.00 | 2.00 |
| | | | | | Bottom Depth (m): | 0.50 | 2.00 | 0.50 | 1.00 | 2.00 | 3.00 | 0.50 | 1.00 | 2.00 |
| | | | | | Date Sampled: | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 26-Apr-2021 | 25-Apr-2021 | 25-Apr-2021 | 25-Apr-2021 | 25-Apr-2021 |
| | | | | | Asbestos Lab: | DURHAM | | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM | DURHAM |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | | | | | | | | | |
| Chrysene | M | 2800 | mg/kg | 0.10 | | < 0.10 | | 1.1 | 0.29 | < 0.10 | < 0.10 | 0.23 | 0.50 | < 0.10 |
| Benzo[b]fluoranthene | M | 2800 | mg/kg | 0.10 | | < 0.10 | | 1.3 | 0.46 | < 0.10 | < 0.10 | < 0.10 | 0.63 | < 0.10 |
| Benzo[k]fluoranthene | M | 2800 | mg/kg | 0.10 | | < 0.10 | | 0.59 | 0.22 | < 0.10 | < 0.10 | < 0.10 | 0.21 | < 0.10 |
| Benzo[a]pyrene | M | 2800 | mg/kg | 0.10 | | < 0.10 | | 1.0 | 0.42 | < 0.10 | < 0.10 | < 0.10 | 0.47 | < 0.10 |
| Indeno(1,2,3-c,d)Pyrene | M | 2800 | mg/kg | 0.10 | | < 0.10 | | 0.58 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.30 | < 0.10 |
| Dibenz(a,h)Anthracene | N | 2800 | mg/kg | 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Benzo[g,h,i]perylene | M | 2800 | mg/kg | 0.10 | | < 0.10 | | 0.61 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.29 | < 0.10 |
| Coronene | N | 2800 | mg/kg | 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Of 17 PAH's | N | 2800 | mg/kg | 2.0 | | < 2.0 | | 12 | 2.9 | < 2.0 | < 2.0 | < 2.0 | 5.3 | < 2.0 |
| PCB 28 | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 52 | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 90+101 | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 118 | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 153 | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 138 | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| PCB 180 | U | 2815 | mg/kg | 0.010 | | < 0.010 | | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 | < 0.010 |
| Total PCBs (7 Congeners) | U | 2815 | mg/kg | 0.10 | | < 0.10 | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Total Phenols | M | 2920 | mg/kg | 0.10 | | < 0.10 | | < 0.10 | 0.38 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189296 | | | | | | |
| Sample Ref: | SA102 | | | | | | |
| Sample ID: | PM35 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 1.00 | | | | | | |
| Bottom Depth(m): | 1.00 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.47 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.1 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 130 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 7.1 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.031 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0013 | 0.013 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.013 | 0.13 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.067 | 0.67 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0026 | 0.026 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0059 | 0.059 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.031 | 0.31 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.17 | 1.7 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 15 | 150 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 65 | 650 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 14 | 140 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 17 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189297 | | | | | | |
| **Sample Ref:** | FP102 | | | | | | |
| **Sample ID:** | PM39 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 0.55 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 4.6 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.011 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | < 0.0002 | < 0.0002 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.062 | 0.62 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0017 | 0.017 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0022 | 0.022 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.027 | 0.27 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.43 | 4.3 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 72 | 710 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 3.5 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 24 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189298 | | | | | | |
| **Sample Ref:** | FP102 | | | | | | |
| **Sample ID:** | PM41 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | |
| **Bottom Depth(m):** | 1.00 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.56 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 4.9 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.0070 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | < 0.0002 | < 0.0002 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.14 | 1.4 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0039 | 0.040 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0038 | 0.038 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.065 | 0.65 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.49 | 4.9 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 65 | 650 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 9.6 | 95 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 22 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189299 | | | | | | |
| **Sample Ref:** | FP103 | | | | | | |
| **Sample ID:** | PM36 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 1.1 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 5.2 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.037 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0006 | 0.0060 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.044 | 0.44 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0039 | 0.039 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0079 | 0.079 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.020 | 0.20 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0008 | 0.0078 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0010 | 0.010 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.35 | 3.5 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 98 | 970 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | < 2.5 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 19 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189300 | | | | | | |
| **Sample Ref:** | TP101 | | | | | | |
| **Sample ID:** | PM50 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.57 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.6 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.022 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0037 | 0.037 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.008 | 0.085 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.046 | 0.45 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0024 | 0.024 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0057 | 0.057 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.019 | 0.19 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0005 | 0.0051 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0010 | 0.010 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.39 | 3.9 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 3.9 | 39 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 63 | 630 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 4.1 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 13 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189301 | | | | | | |
| **Sample Ref:** | TP101 | | | | | | |
| **Sample ID:** | PM52 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.24 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.5 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 2.5 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.030 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0013 | 0.013 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.020 | 0.20 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.046 | 0.46 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0021 | 0.021 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0069 | 0.069 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.020 | 0.20 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0005 | 0.0053 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0008 | 0.0081 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.28 | 2.8 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 53 | 530 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 140 | 1400 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 3.3 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 13 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189302 | | | | | | |
| **Sample Ref:** | TP101 | | | | | | |
| **Sample ID:** | PM54 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 2.50 | | | | | | |
| **Bottom Depth(m):** | 2.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.71 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 4.3 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 83 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 3.8 | 100 | -- | -- |
| pH | 2010 | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.026 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0057 | 0.057 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.021 | 0.21 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.034 | 0.34 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0014 | 0.014 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0039 | 0.040 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.015 | 0.14 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.19 | 1.9 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 4.6 | 46 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 53 | 530 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | < 2.5 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 14 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189303 | | | | | | |
| **Sample Ref:** | TP102 | | | | | | |
| **Sample ID:** | PM18 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 1.4 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 6.1 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 5.8 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.18 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0010 | 0.010 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.006 | 0.064 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.017 | 0.17 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0024 | 0.025 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0040 | 0.040 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0083 | 0.083 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0011 | 0.011 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 44 | 440 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.39 | 3.9 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 3.7 | 37 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 85 | 840 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 16 | 160 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 19 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189304 | | | | | | |
| **Sample Ref:** | TP102 | | | | | | |
| **Sample ID:** | PM20 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.52 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.3 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.033 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0042 | 0.042 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.057 | 0.57 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.034 | 0.34 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0030 | 0.030 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.012 | 0.12 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.016 | 0.16 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0027 | 0.027 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 1.1 | 11 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.26 | 2.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 4.1 | 41 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 130 | 1300 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 4.9 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 27 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189305 | | | | | | |
| Sample Ref: | TP102 | | | | | | |
| Sample ID: | PM22 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 2.50 | | | | | | |
| Bottom Depth(m): | 2.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 0.50 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.7 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 9.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.20 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.012 | 0.12 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.011 | 0.11 | 20 | 100 | 300 |
| Cadmium | 1455 | U | 0.00017 | 0.0017 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.036 | 0.36 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.028 | 0.28 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0045 | 0.045 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.041 | 0.41 | 0.4 | 10 | 40 |
| Lead | 1455 | U | 0.0019 | 0.019 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0019 | 0.019 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0093 | 0.093 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | 0.007 | 0.070 | 4 | 50 | 200 |
| Chloride | 1220 | U | 1.4 | 14 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.34 | 3.4 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 20 | 200 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 100 | 1000 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 21 | 210 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 24 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189306 | | | | | | |
| **Sample Ref:** | TP102 | | | | | | |
| **Sample ID:** | PM24 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 3.50 | | | | | | |
| **Bottom Depth(m):** | 3.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.31 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.8 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.079 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0005 | 0.0047 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.028 | 0.28 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0023 | 0.023 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.014 | 0.14 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.013 | 0.12 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0007 | 0.0072 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0010 | 0.0099 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.52 | 5.2 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 62 | 620 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 27 | 270 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 18 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189307 | | | | | | |
| Sample Ref: | TP103 | | | | | | |
| Sample ID: | PM10 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 0.50 | | | | | | |
| Bottom Depth(m): | 0.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| Determinand | SOP | Accred. | Units | | | | |
| Total Organic Carbon | 2625 | M | % | 1.3 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 6.7 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.059 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0011 | 0.011 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.045 | 0.45 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0055 | 0.055 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0060 | 0.060 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.024 | 0.23 | 0.4 | 10 | 40 |
| Lead | 1455 | U | 0.0008 | 0.0082 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0007 | 0.0072 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | 0.004 | 0.040 | 4 | 50 | 200 |
| Chloride | 1220 | U | 1.1 | 11 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.35 | 3.5 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 65 | 650 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 8.1 | 81 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 16 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189309 | | | | | | |
| **Sample Ref:** | TP103 | | | | | | |
| **Sample ID:** | PM12 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.56 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.2 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | [C] < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | [C] < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.7 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.069 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0004 | 0.0038 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.024 | 0.24 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0015 | 0.015 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0036 | 0.036 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.011 | 0.11 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.29 | 2.9 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 49 | 490 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 39 | 390 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 15 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189311 | | | | | | |
| **Sample Ref:** | TP104 | | | | | | |
| **Sample ID:** | PM46 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.79 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 4.6 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.19 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0002 | 0.0024 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.032 | 0.32 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0017 | 0.017 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.011 | 0.11 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.014 | 0.14 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.38 | 3.8 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 1.0 | 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 62 | 620 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 43 | 430 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 14 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189312 | | | | | | |
| **Sample Ref:** | TP104 | | | | | | |
| **Sample ID:** | PM48 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 2.50 | | | | | | |
| **Bottom Depth(m):** | 2.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.79 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 4.4 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.018 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | < 0.0002 | < 0.0002 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.023 | 0.23 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0009 | 0.0090 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0017 | 0.017 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0099 | 0.099 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0006 | 0.0060 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.46 | 4.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 72 | 710 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 25 | 250 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 21 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189313 | | | | | | |
| Sample Ref: | TP105 | | | | | | |
| Sample ID: | PM14 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 0.50 | | | | | | |
| Bottom Depth(m): | 0.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 2.6 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 7.7 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 2.2 | 100 | -- | -- |
| pH | 2010 | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.020 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0015 | 0.015 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.005 | 0.052 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.026 | 0.26 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0081 | 0.081 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0045 | 0.045 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.014 | 0.14 | 0.4 | 10 | 40 |
| Lead | 1455 | U | 0.0007 | 0.0065 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0017 | 0.017 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | 0.012 | 0.13 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.20 | 2.0 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 85 | 840 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 70 | 700 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 19 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189314 | | | | | | |
| **Sample Ref:** | TP105 | | | | | | |
| **Sample ID:** | PM16 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.80 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 4.0 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.12 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0012 | 0.012 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.023 | 0.23 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0040 | 0.040 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0066 | 0.066 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.011 | 0.11 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0008 | 0.0077 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0007 | 0.0071 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.19 | 1.9 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 72 | 710 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 32 | 320 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 12 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189315 | | | | | | |
| Sample Ref: | TP106 | | | | | | |
| Sample ID: | PM02 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 0.50 | | | | | | |
| Bottom Depth(m): | 0.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 0.76 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 4.9 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.019 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0005 | 0.0054 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.023 | 0.23 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0019 | 0.019 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0009 | 0.0092 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.011 | 0.11 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | 0.004 | 0.040 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.24 | 2.4 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 35 | 350 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 86 | 860 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 11 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189316 | | | | | | |
| Sample Ref: | TP106 | | | | | | |
| Sample ID: | PM04 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 1.50 | | | | | | |
| Bottom Depth(m): | 1.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.29 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.4 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.049 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | < 0.0002 | < 0.0002 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.024 | 0.24 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0008 | 0.0081 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0015 | 0.015 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.011 | 0.11 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.21 | 2.1 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 42 | 420 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 23 | 230 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 12 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189317 | | | | | | |
| Sample Ref: | TP107 | | | | | | |
| Sample ID: | PM08 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 1.50 | | | | | | |
| Bottom Depth(m): | 1.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 1.7 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 6.9 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 24 | 100 | -- | -- |
| pH | 2010 | M | | 8.1 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.0060 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0002 | 0.0025 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.021 | 0.21 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0022 | 0.022 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0031 | 0.031 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0097 | 0.097 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.40 | 4.0 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 17 | 170 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 120 | 1200 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 9.6 | 96 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 17 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189318 | | | | | | |
| **Sample Ref:** | TP108 | | | | | | |
| **Sample ID:** | PM25 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | < 0.20 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 1.8 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.025 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.017 | 0.17 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.026 | 0.26 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0009 | 0.0094 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0033 | 0.033 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.011 | 0.11 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.16 | 1.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 5.3 | 53 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 49 | 490 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 2.8 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 7.2 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189319 | | | | | | |
| Sample Ref: | TP108 | | | | | | |
| Sample ID: | PM26 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 1.50 | | | | | | |
| Bottom Depth(m): | 1.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 0.67 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 4.2 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.039 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0021 | 0.021 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.009 | 0.089 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.034 | 0.34 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0037 | 0.038 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0037 | 0.037 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.017 | 0.17 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.31 | 3.1 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 12 | 120 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 110 | 1100 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 8.1 | 81 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 14 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189320 | | | | | | |
| Sample Ref: | TP108 | | | | | | |
| Sample ID: | PM28 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 2.50 | | | | | | |
| Bottom Depth(m): | 2.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.25 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.0 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.099 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0011 | 0.011 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.040 | 0.40 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0015 | 0.015 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0081 | 0.081 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.018 | 0.18 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0007 | 0.0072 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0007 | 0.0070 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.25 | 2.5 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 6.4 | 64 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 59 | 590 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 11 | 110 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 4.1 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189321 | | | | | | |
| **Sample Ref:** | TP108 | | | | | | |
| **Sample ID:** | PM30 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 3.50 | | | | | | |
| **Bottom Depth(m):** | 3.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 2.6 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 9.5 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 16 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.0080 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0053 | 0.053 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.021 | 0.21 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.022 | 0.22 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0057 | 0.057 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.010 | 0.10 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.015 | 0.15 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0013 | 0.013 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0020 | 0.020 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 2.6 | 26 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.28 | 2.8 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 15 | 150 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 200 | 2000 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 13 | 130 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 27 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189322 | | | | | | |
| **Sample Ref:** | TP109 | | | | | | |
| **Sample ID:** | PM90 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 2.5 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 6.8 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 19 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.0060 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0040 | 0.040 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.005 | 0.052 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.032 | 0.32 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0026 | 0.026 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0060 | 0.060 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.014 | 0.14 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.28 | 2.8 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 6.2 | 62 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 91 | 890 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 4.8 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 39 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189323 | | | | | | |
| **Sample Ref:** | TP109 | | | | | | |
| **Sample ID:** | PM91 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.6 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 6.7 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.1 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.0040 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0005 | 0.0046 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.054 | 0.54 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0031 | 0.031 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0040 | 0.040 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.024 | 0.24 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0005 | 0.0054 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.41 | 4.1 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 21 | 210 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 140 | 1400 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 6.5 | 65 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 23 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189324 | | | | | | |
| **Sample Ref:** | TP109 | | | | | | |
| **Sample ID:** | PM93 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 2.50 | | | | | | |
| **Bottom Depth(m):** | 2.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.58 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.5 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.025 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | < 0.0002 | < 0.0002 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.014 | 0.14 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0007 | 0.0066 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0048 | 0.048 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0058 | 0.058 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.46 | 4.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 8.9 | 89 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 91 | 910 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 3.1 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 13 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189325 | | | | | | |
| **Sample Ref:** | TP110 | | | | | | |
| **Sample ID:** | PM32 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.5 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 6.5 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.033 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0002 | 0.0022 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.005 | 0.052 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.024 | 0.24 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0018 | 0.018 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0020 | 0.020 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.010 | 0.10 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.56 | 5.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 17 | 170 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 130 | 1300 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 3.6 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 16 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189326 | | | | | | |
| **Sample Ref:** | TP110 | | | | | | |
| **Sample ID:** | PM34 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.41 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.7 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.046 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | < 0.0002 | < 0.0002 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.022 | 0.22 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0008 | 0.0080 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0047 | 0.047 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0096 | 0.097 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.36 | 3.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 1.2 | 12 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 55 | 550 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 23 | 230 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 9.4 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189327 | | | | | | |
| Sample Ref: | TP111 | | | | | | |
| Sample ID: | PM58 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 0.50 | | | | | | |
| Bottom Depth(m): | 0.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | < 0.20 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.0 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 3.1 | 100 | -- | -- |
| pH | 2010 | M | | 8.8 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.027 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0066 | 0.066 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.029 | 0.29 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0009 | 0.0095 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0038 | 0.038 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.012 | 0.12 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.20 | 2.0 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 12 | 120 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 62 | 620 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | < 2.5 | < 50 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 15 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189328 | | | | | | |
| **Sample Ref:** | TP111 | | | | | | |
| **Sample ID:** | PM60 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.41 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.6 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.056 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0002 | 0.0023 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.026 | 0.26 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0007 | 0.0069 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0044 | 0.044 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.011 | 0.11 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.37 | 3.7 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 2.0 | 20 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 46 | 460 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 4.2 | < 50 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 3.4 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189329 | | | | | | |
| Sample Ref: | TP112 | | | | | | |
| Sample ID: | PM66 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 0.50 | | | | | | |
| Bottom Depth(m): | 0.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | < 0.20 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.6 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.7 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.042 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0043 | 0.043 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.025 | 0.25 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0009 | 0.0092 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0049 | 0.049 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.011 | 0.11 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.21 | 2.1 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 1.3 | 13 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 47 | 470 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 6.4 | 64 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 6.3 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189330 | | | | | | |
| Sample Ref: | TP112 | | | | | | |
| Sample ID: | PM67 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 1.50 | | | | | | |
| Bottom Depth(m): | 1.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 0.39 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.6 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.046 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0003 | 0.0025 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.027 | 0.27 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0009 | 0.0091 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0089 | 0.089 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.011 | 0.11 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.42 | 4.2 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 7.7 | 77 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 65 | 650 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 3.6 | < 50 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 12 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189331 | | | | | | |
| Sample Ref: | TP112 | | | | | | |
| Sample ID: | PM68 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 2.50 | | | | | | |
| Bottom Depth(m): | 2.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 1.0 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 5.4 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.014 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0036 | 0.036 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.022 | 0.22 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.025 | 0.25 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0040 | 0.040 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0073 | 0.073 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.014 | 0.14 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0007 | 0.0066 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0008 | 0.0076 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.33 | 3.3 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 13 | 130 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 140 | 1400 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 6.4 | 63 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 30 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189332 | | | | | | |
| Sample Ref: | TP112 | | | | | | |
| Sample ID: | PM70 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 3.50 | | | | | | |
| Bottom Depth(m): | 3.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.0 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.7 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.047 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0031 | 0.031 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.015 | 0.15 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.030 | 0.30 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0048 | 0.048 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0040 | 0.040 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.016 | 0.16 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0005 | 0.0051 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.26 | 2.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 85 | 840 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 8.2 | 82 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 14 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189333 | | | | | | |
| **Sample Ref:** | TP113 | | | | | | |
| **Sample ID:** | PM94 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.74 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 4.3 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.051 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0008 | 0.0079 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.009 | 0.088 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.024 | 0.24 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0026 | 0.026 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.013 | 0.13 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.012 | 0.12 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.35 | 3.5 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 2.6 | 26 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 98 | 970 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 7.6 | 76 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 13 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189334 | | | | | | |
| **Sample Ref:** | TP113 | | | | | | |
| **Sample ID:** | PM95 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.2 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 5.8 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.021 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0010 | 0.0097 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.023 | 0.23 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.021 | 0.21 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0038 | 0.038 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0039 | 0.039 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.012 | 0.12 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0007 | 0.0073 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.36 | 3.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 9.2 | 92 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 160 | 1500 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 6.6 | 65 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 24 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189335 | | | | | | |
| **Sample Ref:** | TP113 | | | | | | |
| **Sample ID:** | PM96 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 2.50 | | | | | | |
| **Bottom Depth(m):** | 2.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.7 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 6.0 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.012 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0011 | 0.011 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.018 | 0.18 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.031 | 0.31 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0034 | 0.034 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0038 | 0.038 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.015 | 0.15 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.32 | 3.2 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 6.2 | 62 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 120 | 1200 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 5.6 | 56 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 22 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189336 | | | | | | |
| Sample Ref: | TP113 | | | | | | |
| Sample ID: | PM98 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 3.50 | | | | | | |
| Bottom Depth(m): | 3.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 1.0 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 4.3 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.041 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0028 | 0.028 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.015 | 0.15 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.023 | 0.23 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0043 | 0.043 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0038 | 0.038 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.012 | 0.12 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0006 | 0.0061 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.47 | 4.7 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 120 | 1200 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 13 | 130 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 18 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189338 | | | | | | |
| **Sample Ref:** | TP114 | | | | | | |
| **Sample ID:** | PM61 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 2.4 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 7.5 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 7.8 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.0050 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0009 | 0.0093 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.006 | 0.059 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.024 | 0.24 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0064 | 0.064 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0012 | 0.012 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.015 | 0.15 | 0.4 | 10 | 40 |
| Lead | 1455 | U | 0.0025 | 0.025 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0007 | 0.0065 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.29 | 2.9 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 9.5 | 95 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 85 | 840 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 42 | 420 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 23 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189339 | | | | | | |
| Sample Ref: | TP114 | | | | | | |
| Sample ID: | PM63 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 1.50 | | | | | | |
| Bottom Depth(m): | 1.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | < 0.20 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.3 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.074 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | < 0.0002 | < 0.0002 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.024 | 0.24 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0011 | 0.011 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0044 | 0.044 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.011 | 0.11 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.38 | 3.8 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 4.3 | 43 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 64 | 640 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 6.7 | 67 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 15 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189341 | | | | | | |
| **Sample Ref:** | TP115 | | | | | | |
| **Sample ID:** | PM85 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 2.4 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 9.8 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 68 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 13 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.023 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0017 | 0.017 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.010 | 0.10 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.026 | 0.26 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0031 | 0.031 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0047 | 0.047 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.012 | 0.12 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0011 | 0.011 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0012 | 0.012 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.37 | 3.7 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 6.0 | 60 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 120 | 1200 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 7.0 | 69 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 28 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189342 | | | | | | |
| Sample Ref: | TP115 | | | | | | |
| Sample ID: | PM86 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 1.50 | | | | | | |
| Bottom Depth(m): | 1.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 3.4 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 8.7 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 100 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 9.3 | 100 | -- | -- |
| pH | 2010 | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.013 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0048 | 0.048 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.016 | 0.16 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.027 | 0.27 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0056 | 0.056 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0056 | 0.056 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.016 | 0.16 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0010 | 0.010 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0014 | 0.014 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 1.9 | 19 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.32 | 3.2 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 10 | 100 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 160 | 1600 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 11 | 110 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 24 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189343 | | | | | | |
| Sample Ref: | TP115 | | | | | | |
| Sample ID: | PM87 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 2.50 | | | | | | |
| Bottom Depth(m): | 2.50 | | | | | | |
| Sampling Date: | 23-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 3.1 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 8.9 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 55 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 13 | 100 | -- | -- |
| pH | 2010 | M | | 8.1 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.013 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0069 | 0.069 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.017 | 0.17 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.024 | 0.24 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0065 | 0.065 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0074 | 0.074 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.015 | 0.15 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0011 | 0.011 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0021 | 0.021 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 2.3 | 23 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.31 | 3.1 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 12 | 120 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 180 | 1700 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 11 | 110 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 23 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189344 | | | | | | |
| **Sample Ref:** | TP115 | | | | | | |
| **Sample ID:** | PM88 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 3.00 | | | | | | |
| **Bottom Depth(m):** | 3.00 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.22 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.4 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.10 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0005 | 0.0051 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.018 | 0.18 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0017 | 0.017 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0050 | 0.050 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0085 | 0.085 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0006 | 0.0060 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.34 | 3.4 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 65 | 650 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 7.6 | 76 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 15 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189345 | | | | | | |
| **Sample Ref:** | TP116 | | | | | | |
| **Sample ID:** | PM73 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.65 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.1 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 9.2 | 100 | -- | -- |
| pH | 2010 | M | | 8.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.12 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0008 | 0.0077 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.006 | 0.063 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.022 | 0.22 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0019 | 0.019 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0062 | 0.063 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0095 | 0.095 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.43 | 4.3 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 7.9 | 79 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 120 | 1100 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 5.8 | 54 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 56 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189346 | | | | | | |
| **Sample Ref:** | TP116 | | | | | | |
| **Sample ID:** | PM74 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.9 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 6.4 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.0 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.0060 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0007 | 0.0065 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.007 | 0.071 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.023 | 0.23 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0023 | 0.023 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0026 | 0.026 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.010 | 0.10 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.41 | 4.1 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 14 | 140 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 120 | 1200 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 7.4 | 73 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 24 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189347 | | | | | | |
| **Sample Ref:** | TP116 | | | | | | |
| **Sample ID:** | PM75 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 2.50 | | | | | | |
| **Bottom Depth(m):** | 2.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | < 0.20 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.3 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.086 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0003 | 0.0033 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.019 | 0.19 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0012 | 0.012 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0046 | 0.046 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0075 | 0.075 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.25 | 2.5 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 64 | 640 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 10 | 100 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 18 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189348 | | | | | | |
| **Sample Ref:** | TP116 | | | | | | |
| **Sample ID:** | PM76 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 3.50 | | | | | | |
| **Bottom Depth(m):** | 3.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.20 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 1.8 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.099 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0004 | 0.0037 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.018 | 0.18 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0010 | 0.010 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0037 | 0.037 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0072 | 0.072 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.25 | 2.5 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 64 | 640 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 9.1 | 91 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 13 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189349 | | | | | | |
| **Sample Ref:** | TP116 | | | | | | |
| **Sample ID:** | PM78 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 4.00 | | | | | | |
| **Bottom Depth(m):** | 4.00 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 3.0 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 8.7 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 40 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 18 | 100 | -- | -- |
| pH | 2010 | M | | 8.1 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.018 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0062 | 0.062 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.019 | 0.19 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.017 | 0.17 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0068 | 0.068 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0082 | 0.082 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.012 | 0.12 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0011 | 0.011 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0015 | 0.015 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 2.5 | 25 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.30 | 3.0 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 13 | 130 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 180 | 1700 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 14 | 140 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 24 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189350 | | | | | | |
| **Sample Ref:** | TP117 | | | | | | |
| **Sample ID:** | PM80 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.71 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.4 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.1 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.038 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0015 | 0.015 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.036 | 0.36 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0034 | 0.034 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0014 | 0.014 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.016 | 0.16 | 0.4 | 10 | 40 |
| Lead | 1455 | U | 0.0009 | 0.0086 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | 0.010 | 0.096 | 4 | 50 | 200 |
| Chloride | 1220 | U | 9.1 | 91 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.22 | 2.2 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 3.6 | 36 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 38 | 380 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 88 | 870 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 24 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189351 | | | | | | |
| **Sample Ref:** | TP117 | | | | | | |
| **Sample ID:** | PM82 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.50 | | | | | | |
| **Bottom Depth(m):** | 1.50 | | | | | | |
| **Sampling Date:** | 23-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | < 0.20 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.4 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.5 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.14 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | < 0.0002 | < 0.0002 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.016 | 0.16 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0005 | 0.0053 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0019 | 0.019 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0060 | 0.060 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.31 | 3.1 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 1.6 | 16 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 56 | 560 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 5.1 | 51 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 19 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189352 | | | | | | |
| Sample Ref: | BH101 | | | | | | |
| Sample ID: | GM01 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 0.50 | | | | | | |
| Bottom Depth(m): | 0.50 | | | | | | |
| Sampling Date: | 26-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.71 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.2 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 3.1 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.026 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0015 | 0.015 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.017 | 0.17 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0010 | 0.011 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0068 | 0.068 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0062 | 0.062 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.32 | 3.2 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 1.4 | 14 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 72 | 710 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 29 | 290 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 9.5 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| Chemtest Job No: | 21-13928 | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| Chemtest Sample ID: | 1189354 | | | | | | |
| Sample Ref: | BH101 | | | | | | |
| Sample ID: | GM05 | | | | | | |
| Sample Location: | | | | | | | |
| Top Depth(m): | 2.00 | | | | | | |
| Bottom Depth(m): | 2.00 | | | | | | |
| Sampling Date: | 26-Apr-2021 | | | | Inert Waste Landfill | Stable, Non-reactive hazardous waste in non-hazardous Landfill | Hazardous Waste Landfill |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | 0.66 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.4 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 91 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 27 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.012 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0021 | 0.021 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.032 | 0.32 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.019 | 0.19 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0031 | 0.031 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.012 | 0.12 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0087 | 0.087 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0031 | 0.031 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0007 | 0.0072 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.27 | 2.7 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 9.7 | 97 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 120 | 1200 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 5.8 | 58 | 500 | 800 | 1000 |

| Solid Information | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 15 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189355 | | | | | | |
| **Sample Ref:** | BH102 | | | | | | |
| **Sample ID:** | GM06 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 26-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.3 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.4 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 310 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 53 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.036 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0011 | 0.011 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.008 | 0.081 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.018 | 0.18 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0019 | 0.019 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0041 | 0.041 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0071 | 0.071 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.34 | 3.4 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 64 | 640 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 12 | 120 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 13 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189356 | | | | | | |
| **Sample Ref:** | BH102 | | | | | | |
| **Sample ID:** | GM08 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | |
| **Bottom Depth(m):** | 1.00 | | | | | | |
| **Sampling Date:** | 26-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.4 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.8 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 1800 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 91 | 100 | -- | -- |
| pH | 2010 | M | | 8.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.051 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0029 | 0.029 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.006 | 0.060 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.016 | 0.16 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0022 | 0.022 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0038 | 0.039 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0064 | 0.064 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.28 | 2.8 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 57 | 560 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 22 | 220 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 17 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189357 | | | | | | |
| **Sample Ref:** | BH102 | | | | | | |
| **Sample ID:** | GM10 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 2.00 | | | | | | |
| **Bottom Depth(m):** | 2.00 | | | | | | |
| **Sampling Date:** | 26-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.4 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.5 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 140 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 90 | 100 | -- | -- |
| pH | 2010 | M | | 8.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.052 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0023 | 0.023 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.010 | 0.10 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.015 | 0.15 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0014 | 0.014 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0060 | 0.061 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0059 | 0.059 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0010 | 0.010 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.26 | 2.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 3.7 | 37 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 64 | 640 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 7.8 | 78 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 16 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189358 | | | | | | |
| **Sample Ref:** | BH102 | | | | | | |
| **Sample ID:** | GM12 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 3.00 | | | | | | |
| **Bottom Depth(m):** | 3.00 | | | | | | |
| **Sampling Date:** | 26-Apr-2021 | | | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| **Determinand** | **SOP** | **Accred.** | **Units** | | | | |
| Total Organic Carbon | 2625 | M | % | < 0.20 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.1 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.10 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | < 0.0002 | < 0.0002 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.015 | 0.15 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0008 | 0.0077 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0036 | 0.036 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0060 | 0.060 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 11 | 110 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.56 | 5.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 5.4 | 54 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 65 | 650 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 5.1 | 51 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 22 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189359 | | | | | | |
| **Sample Ref:** | BH103 | | | | | | |
| **Sample ID:** | GM13 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 26-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.2 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 5.1 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.012 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0003 | 0.0026 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.015 | 0.15 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0014 | 0.014 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0011 | 0.011 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0060 | 0.060 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | < 1.0 | < 10 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.71 | 7.1 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 72 | 710 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 69 | 680 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 26 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189361 | | | | | | |
| **Sample Ref:** | BH104 | | | | | | |
| **Sample ID:** | GM19 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 26-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.2 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 5.3 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 12 | 100 | -- | -- |
| pH | 2010 | M | | 8.3 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.049 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0008 | 0.0081 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.014 | 0.14 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.017 | 0.16 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0032 | 0.032 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0066 | 0.066 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0087 | 0.087 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 13 | 130 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.32 | 3.2 | 10 | 150 | 500 |
| Sulphate | 1220 | U | < 1.0 | < 10 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 61 | 610 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 87 | 870 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 22 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189362 | | | | | | |
| **Sample Ref:** | BH104 | | | | | | |
| **Sample ID:** | GM21 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | |
| **Bottom Depth(m):** | 1.00 | | | | | | |
| **Sampling Date:** | 26-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.55 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.4 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 2.9 | 100 | -- | -- |
| pH | 2010 | M | | 11.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.10 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0030 | 0.030 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.013 | 0.13 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.027 | 0.27 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.058 | 0.58 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.015 | 0.15 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.019 | 0.19 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0009 | 0.0093 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0017 | 0.017 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 1.5 | 15 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.26 | 2.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 11 | 110 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 350 | 3500 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 16 | 160 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 21 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189363 | | | | | | |
| **Sample Ref:** | BH104 | | | | | | |
| **Sample ID:** | GM23 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 2.00 | | | | | | |
| **Bottom Depth(m):** | 2.00 | | | | | | |
| **Sampling Date:** | 26-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.2 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 5.7 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.9 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.13 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0007 | 0.0074 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.014 | 0.14 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.019 | 0.19 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0063 | 0.063 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0039 | 0.039 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.010 | 0.10 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0006 | 0.0062 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0013 | 0.013 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 1.1 | 11 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.29 | 2.9 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 13 | 130 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 140 | 1400 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 14 | 140 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 31 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

**Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)**

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189364 | | | | | | |
| **Sample Ref:** | BH104 | | | | | | |
| **Sample ID:** | GM25 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 3.00 | | | | | | |
| **Bottom Depth(m):** | 3.00 | | | | | | |
| **Sampling Date:** | 25-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.29 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 2.5 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 9.2 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.10 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0010 | 0.0097 | 0.5 | 2 | 25 |
| Barium | 1455 | U | < 0.005 | < 0.0005 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.016 | 0.16 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0053 | 0.053 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.016 | 0.16 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0078 | 0.078 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.011 | 0.11 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 1.3 | 13 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.46 | 4.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 5.3 | 53 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 44 | 440 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 78 | 780 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 17 |

**Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189365 | | | | | | |
| **Sample Ref:** | BH105 | | | | | | |
| **Sample ID:** | JOI01 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 0.50 | | | | | | |
| **Bottom Depth(m):** | 0.50 | | | | | | |
| **Sampling Date:** | 25-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.54 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.3 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | < 10 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.8 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.048 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0036 | 0.036 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.019 | 0.19 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.016 | 0.16 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0049 | 0.049 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.0086 | 0.086 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.010 | 0.10 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0007 | 0.0070 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0011 | 0.011 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 7.1 | 71 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.36 | 3.6 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 8.2 | 82 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 130 | 1300 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 43 | 430 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 22 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189366 | | | | | | |
| **Sample Ref:** | BH105 | | | | | | |
| **Sample ID:** | JOI03 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 1.00 | | | | | | |
| **Bottom Depth(m):** | 1.00 | | | | | | |
| **Sampling Date:** | 25-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 1.5 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 7.3 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 21 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | 5.3 | 100 | -- | -- |
| pH | 2010 | M | | 8.4 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.016 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0022 | 0.022 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.021 | 0.21 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.016 | 0.16 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0071 | 0.071 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.019 | 0.19 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.012 | 0.12 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | 0.0009 | 0.0088 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | 0.0010 | 0.0097 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 16 | 160 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.42 | 4.2 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 26 | 260 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 210 | 2100 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 37 | 370 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 30 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Results - Single Stage WAC

Project: 5840 DUB 15 DIGITAL REALITY (PROFILE PARK)

| | | | | | Landfill Waste Acceptance Criteria Limits | | |
|---|---|---|---|---|---|---|---|
| **Chemtest Job No:** | 21-13928 | | | | | | |
| **Chemtest Sample ID:** | 1189367 | | | | | | |
| **Sample Ref:** | BH105 | | | | | | |
| **Sample ID:** | JOI05 | | | | | | |
| **Sample Location:** | | | | | | | |
| **Top Depth(m):** | 2.00 | | | | | | |
| **Bottom Depth(m):** | 2.00 | | | | | | |
| **Sampling Date:** | 25-Apr-2021 | | | | | | |
| **Determinand** | **SOP** | **Accred.** | **Units** | | **Inert Waste Landfill** | **Stable, Non-reactive hazardous waste in non-hazardous Landfill** | **Hazardous Waste Landfill** |
| Total Organic Carbon | 2625 | M | % | 0.25 | 3 | 5 | 6 |
| Loss On Ignition | 2610 | M | % | 3.1 | -- | -- | 10 |
| Total BTEX | 2760 | M | mg/kg | < 0.010 | 6 | -- | -- |
| Total PCBs (7 Congeners) | 2815 | M | mg/kg | < 0.10 | 1 | -- | -- |
| TPH Total WAC (Mineral Oil) | 2670 | M | mg/kg | 100 | 500 | -- | -- |
| Total (Of 17) PAH's | 2800 | N | mg/kg | < 2.0 | 100 | -- | -- |
| pH | 2010 | M | | 8.6 | -- | >6 | -- |
| Acid Neutralisation Capacity | 2015 | N | mol/kg | 0.090 | -- | To evaluate | To evaluate |
| **Eluate Analysis** | | | **10:1 Eluate mg/l** | **10:1 Eluate mg/kg** | **Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg** | | |
| Arsenic | 1455 | U | 0.0006 | 0.0064 | 0.5 | 2 | 25 |
| Barium | 1455 | U | 0.007 | 0.074 | 20 | 100 | 300 |
| Cadmium | 1455 | U | < 0.00012 | < 0.0012 | 0.04 | 1 | 5 |
| Chromium | 1455 | U | 0.016 | 0.16 | 0.5 | 10 | 70 |
| Copper | 1455 | U | 0.0013 | 0.013 | 2 | 50 | 100 |
| Mercury | 1455 | U | < 0.00005 | < 0.00005 | 0.01 | 0.2 | 2 |
| Molybdenum | 1455 | U | 0.012 | 0.12 | 0.5 | 10 | 30 |
| Nickel | 1455 | U | 0.0070 | 0.070 | 0.4 | 10 | 40 |
| Lead | 1455 | U | < 0.0005 | < 0.0005 | 0.5 | 10 | 50 |
| Antimony | 1455 | U | < 0.0005 | < 0.0005 | 0.06 | 0.7 | 5 |
| Selenium | 1455 | U | < 0.0005 | < 0.0005 | 0.1 | 0.5 | 7 |
| Zinc | 1455 | U | < 0.003 | < 0.003 | 4 | 50 | 200 |
| Chloride | 1220 | U | 13 | 130 | 800 | 15000 | 25000 |
| Fluoride | 1220 | U | 0.47 | 4.7 | 10 | 150 | 500 |
| Sulphate | 1220 | U | 12 | 120 | 1000 | 20000 | 50000 |
| Total Dissolved Solids | 1020 | N | 98 | 950 | 4000 | 60000 | 100000 |
| Phenol Index | 1920 | U | < 0.030 | < 0.30 | 1 | - | - |
| Dissolved Organic Carbon | 1610 | U | 5.5 | 54 | 500 | 800 | 1000 |

| **Solid Information** | |
|---|---|
| Dry mass of test portion/kg | 0.090 |
| Moisture (%) | 37 |

## Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

# Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

| Sample: | Sample Ref: | Sample ID: | Sample Location: | Sampled Date: | Deviation Code(s): | Containers Received: |
|---|---|---|---|---|---|---|
| 1189309 | TP103 | PM12 | | 23-Apr-2021 | C | Plastic Tub 500g |

# Test Methods

| SOP | Title | Parameters included | Method summary |
|---|---|---|---|
| 1010 | pH Value of Waters | pH | pH Meter |
| 1020 | Electrical Conductivity and Total Dissolved Solids (TDS) in Waters | Electrical Conductivity and Total Dissolved Solids (TDS) in Waters | Conductivity Meter |
| 1220 | Anions, Alkalinity & Ammonium in Waters | Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON): Sulfate: Phosphate: Alkalinity; Ammonium | Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser. |
| 1455 | Metals in Waters by ICP-MS | Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc | Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS). |
| 1610 | Total/Dissolved Organic Carbon in Waters | Organic Carbon | TOC Analyser using Catalytic Oxidation |
| 1920 | Phenols in Waters by HPLC | Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded. | Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection. |
| 2010 | pH Value of Soils | pH | pH Meter |
| 2015 | Acid Neutralisation Capacity | Acid Reserve | Titration |
| 2030 | Moisture and Stone Content of Soils(Requirement of MCERTS) | Moisture content | Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C. |
| 2040 | Soil Description(Requirement of MCERTS) | Soil description | As received soil is described based upon BS5930 |
| 2120 | Water Soluble Boron, Sulphate, Magnesium & Chromium | Boron: Sulphate; Magnesium; Chromium | Aqueous extraction / ICP-OES |
| 2175 | Total Sulphur in Soils | Total Sulphur | Determined by high temperature combustion under oxygen, using an Eltra elemental analyser. |
| 2180 | Sulphur (Elemental) in Soils by HPLC | Sulphur | Dichloromethane extraction / HPLC with UV detection |
| 2192 | Asbestos | Asbestos | Polarised light microscopy / Gravimetry |
| 2220 | Water soluble Chloride in Soils | Chloride | Aqueous extraction and measuremernt by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate. |
| 2300 | Cyanides & Thiocyanate in Soils | Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate | Allkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser. |
| 2325 | Sulphide in Soils | Sulphide | Steam distillation with sulphuric acid / analysis by 'Aquakem 600' Discrete Analyser, using N,N–dimethyl-p-phenylenediamine. |
| 2425 | Extractable Ammonium in soils | Ammonium | Extraction with potassium chloride solution / analysis by 'Aquakem 600' Discrete Analyser using sodium salicylate and sodium dichloroisocyanurate. |
| 2430 | Total Sulphate in soils | Total Sulphate | Acid digestion followed by determination of sulphate in extract by ICP-OES. |
| 2450 | Acid Soluble Metals in Soils | Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc | Acid digestion followed by determination of metals in extract by ICP-MS. |
| 2490 | Hexavalent Chromium in Soils | Chromium [VI] | Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide. |
| 2610 | Loss on Ignition | loss on ignition (LOI) | Determination of the proportion by mass that is lost from a soil by ignition at 550°C. |

# Test Methods

| SOP | Title | Parameters included | Method summary |
|---|---|---|---|
| 2625 | Total Organic Carbon in Soils | Total organic Carbon (TOC) | Determined by high temperature combustion under oxygen, using an Eltra elemental analyser. |
| 2670 | Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID | TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40 | Dichloromethane extraction / GC-FID |
| 2680 | TPH A/A Split | Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44 | Dichloromethane extraction / GCxGC FID detection |
| 2760 | Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS | Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule | Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds. |
| 2800 | Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS | Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene* | Dichloromethane extraction / GC-MS |
| 2815 | Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS | ICES7 PCB congeners | Acetone/Hexane extraction / GC-MS |
| 2920 | Phenols in Soils by HPLC | Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded. | 60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection. |
| 640 | Characterisation of Waste (Leaching C10) | Waste material including soil, sludges and granular waste | ComplianceTest for Leaching of Granular Waste Material and Sludge |

## Report Information

| Key | |
|---|---|
| U | UKAS accredited |
| M | MCERTS and UKAS accredited |
| N | Unaccredited |
| S | This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis |
| SN | This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis |
| T | This analysis has been subcontracted to an unaccredited laboratory |
| I/S | Insufficient Sample |
| U/S | Unsuitable Sample |
| N/E | not evaluated |
| < | "less than" |
| > | "greater than" |
| SOP | Standard operating procedure |
| LOD | Limit of detection |

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

### Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

### Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

# Appendix 10

# Environmental Groundwater Laboratory Test Results

eurofins | Chemtest
Eurofins Chemtest Ltd
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.com

UKAS TESTING
2183

# Final Report

| | |
|---|---|
| **Report No.:** | 21-17406-1 |
| **Initial Date of Issue:** | 10-Jun-2021 |
| **Client** | Site Investigations Ltd |
| **Client Address:** | The Grange12th, Lock Road<br>Lucan<br>Co Dublin<br>IRELAND |
| **Contact(s):** | Stephen Letch |
| **Project** | Dub Digital Realty |
| **Quotation No.:** | |
| **Order No.:** | 28/A/21 |
| **No. of Samples:** | 2 |
| **Turnaround (Wkdays):** | 5 |
| **Date Approved:** | 10-Jun-2021 |
| **Approved By:** | |
| **Details:** | Glynn Harvey, Technical Manager |

| | |
|---|---|
| **Date Received:** | 24-May-2021 |
| **Date Instructed:** | 24-May-2021 |
| **Results Due:** | 28-May-2021 |

# Results - Water

**Project: Dub Digital Realty**

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-17406 | 21-17406 |
|---|---|---|---|---|---|---|
| Quotation No.: | | | | Chemtest Sample ID.: | 1207107 | 1207108 |
| | | | | Client Sample ID.: | BH103 | BH104 |
| | | | | Sample Type: | WATER | WATER |
| | | | | Top Depth (m): | 2.80 | 2.70 |
| | | | | Bottom Depth (m): | 2.80 | 2.70 |
| | | | | Date Sampled: | 18-May-2021 | 18-May-2021 |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | |
| pH | U | 1010 | | N/A | 7.8 | 7.5 |
| Electrical Conductivity | U | 1020 | µS/cm | 1.0 | 760 | 820 |
| Suspended Solids At 105C | U | 1030 | mg/l | 5.0 | 1000 | 1400 |
| Total Dissolved Solids | N | 1020 | mg/l | 1.0 | 490 | 530 |
| Biochemical Oxygen Demand | N | 1090 | mg O2/l | 4.0 | [B] < 4.0 | [B] < 4.0 |
| Chemical Oxygen Demand | U | 1100 | mg O2/l | 10 | [B] < 10 | [B] < 10 |
| Dissolved Oxygen | N | 1150 | mg O2/l | 0.50 | 7.6 | 7.6 |
| Redox Potential | N | 1170 | mV | N/A | 71 | 79 |
| Alkalinity (Total) | U | 1220 | mg/l | 10 | 420 | 480 |
| Chloride | U | 1220 | mg/l | 1.0 | 18 | 15 |
| Ammoniacal Nitrogen | U | 1220 | mg/l | 0.050 | 0.71 | 0.068 |
| Nitrate | U | 1220 | mg/l | 0.50 | 3.9 | 6.8 |
| Phosphate as P | U | 1220 | mg/l | 0.050 | < 0.050 | < 0.050 |
| Sulphate | U | 1220 | mg/l | 1.0 | 48 | 58 |
| Total Calcium | N | 1455 | mg/l | 5.0 | 140 | 180 |
| Total Potassium | N | 1455 | mg/l | 0.50 | 2.0 | 1.6 |
| Total Magnesium | N | 1455 | mg/l | 0.50 | 15 | 10 |
| Total Sodium | N | 1455 | mg/l | 0.50 | 12 | 10 |
| Arsenic (Dissolved) | U | 1455 | mg/l | 0.0002 | 0.0027 | 0.0006 |
| Barium (Dissolved) | U | 1455 | mg/l | 0.005 | 0.055 | 0.059 |
| Cadmium (Dissolved) | U | 1455 | mg/l | 0.00011 | < 0.00011 | < 0.00011 |
| Chromium (Dissolved) | U | 1455 | mg/l | 0.0005 | 0.28 | 0.27 |
| Copper (Dissolved) | U | 1455 | mg/l | 0.0005 | 0.011 | 0.011 |
| Iron (Dissolved) | N | 1455 | µg/l | 5.0 | 1800 | 1100 |
| Manganese (Dissolved) | U | 1455 | µg/l | 0.50 | 90 | 110 |
| Molybdenum (Dissolved) | U | 1455 | mg/l | 0.0002 | 0.0097 | 0.0089 |
| Nickel (Dissolved) | U | 1455 | mg/l | 0.0005 | 0.14 | 0.13 |
| Lead (Dissolved) | U | 1455 | mg/l | 0.0005 | < 0.0005 | < 0.0005 |
| Antimony (Dissolved) | U | 1455 | mg/l | 0.0005 | 0.0022 | 0.0012 |
| Selenium (Dissolved) | U | 1455 | mg/l | 0.0005 | 0.0071 | 0.016 |
| Zinc (Dissolved) | U | 1455 | mg/l | 0.002 | 0.024 | 0.007 |
| Mercury Low Level | U | 1460 | mg/l | 0.000010 | < 0.00001 | < 0.00001 |
| Chromium (Trivalent) | N | 1490 | mg/l | 0.020 | [B] 0.27 | [B] 0.27 |
| Chromium (Hexavalent) | U | 1490 | mg/l | 0.020 | [B] < 0.020 | [B] < 0.020 |
| Mineral Oil (TPH Calculation) | N | 1670 | µg/l | 10 | < 10 | < 10 |
| Aliphatic TPH >C5-C6 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aliphatic TPH >C6-C8 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aliphatic TPH >C8-C10 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aliphatic TPH >C10-C12 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |

**Project: Dub Digital Realty**

| Client: Site Investigations Ltd | | | Chemtest Job No.: | | 21-17406 | 21-17406 |
|---|---|---|---|---|---|---|
| Quotation No.: | | | Chemtest Sample ID.: | | 1207107 | 1207108 |
| | | | Client Sample ID.: | | BH103 | BH104 |
| | | | Sample Type: | | WATER | WATER |
| | | | Top Depth (m): | | 2.80 | 2.70 |
| | | | Bottom Depth (m): | | 2.80 | 2.70 |
| | | | Date Sampled: | | 18-May-2021 | 18-May-2021 |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | |
| Aliphatic TPH >C12-C16 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aliphatic TPH >C16-C21 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aliphatic TPH >C21-C35 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aliphatic TPH >C35-C44 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Total Aliphatic Hydrocarbons | N | 1675 | µg/l | 5.0 | < 5.0 | < 5.0 |
| Aromatic TPH >C5-C7 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aromatic TPH >C7-C8 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aromatic TPH >C8-C10 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aromatic TPH >C10-C12 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aromatic TPH >C12-C16 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aromatic TPH >C16-C21 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aromatic TPH >C21-C35 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Aromatic TPH >C35-C44 | N | 1675 | µg/l | 0.10 | < 0.10 | < 0.10 |
| Total Aromatic Hydrocarbons | N | 1675 | µg/l | 5.0 | < 5.0 | < 5.0 |
| Total Petroleum Hydrocarbons | N | 1675 | µg/l | 10 | < 10 | < 10 |
| Dichlorodifluoromethane | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Chloromethane | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Vinyl Chloride | N | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Bromomethane | U | 1760 | µg/l | 5 | [C] < 5 | [C] < 5 |
| Chloroethane | U | 1760 | µg/l | 2.0 | [C] < 2.0 | [C] < 2.0 |
| Trichlorofluoromethane | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,1-Dichloroethene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Trans 1,2-Dichloroethene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,1-Dichloroethane | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| cis 1,2-Dichloroethene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Bromochloromethane | U | 1760 | µg/l | 5 | [C] < 5 | [C] < 5 |
| Trichloromethane | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,1,1-Trichloroethane | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Tetrachloromethane | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,1-Dichloropropene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Benzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,2-Dichloroethane | U | 1760 | µg/l | 2.0 | [C] < 2.0 | [C] < 2.0 |
| Trichloroethene | N | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,2-Dichloropropane | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Dibromomethane | U | 1760 | µg/l | 10 | [C] < 10 | [C] < 10 |
| Bromodichloromethane | U | 1760 | µg/l | 5 | [C] < 5 | [C] < 5 |
| cis-1,3-Dichloropropene | N | 1760 | µg/l | 10 | [C] < 10 | [C] < 10 |
| Toluene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Trans-1,3-Dichloropropene | N | 1760 | µg/l | 10 | [C] < 10 | [C] < 10 |

# Results - Water

**Project: Dub Digital Realty**

| Client: Site Investigations Ltd | | | | Chemtest Job No.: | 21-17406 | 21-17406 |
|---|---|---|---|---|---|---|
| Quotation No.: | | | | Chemtest Sample ID.: | 1207107 | 1207108 |
| | | | | Client Sample ID.: | BH103 | BH104 |
| | | | | Sample Type: | WATER | WATER |
| | | | | Top Depth (m): | 2.80 | 2.70 |
| | | | | Bottom Depth (m): | 2.80 | 2.70 |
| | | | | Date Sampled: | 18-May-2021 | 18-May-2021 |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | |
| 1,1,2-Trichloroethane | U | 1760 | µg/l | 10 | [C] < 10 | [C] < 10 |
| Tetrachloroethene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,3-Dichloropropane | U | 1760 | µg/l | 2.0 | [C] < 2.0 | [C] < 2.0 |
| Dibromochloromethane | U | 1760 | µg/l | 10 | [C] < 10 | [C] < 10 |
| 1,2-Dibromoethane | U | 1760 | µg/l | 5 | [C] < 5 | [C] < 5 |
| Chlorobenzene | N | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,1,1,2-Tetrachloroethane | U | 1760 | µg/l | 2.0 | [C] < 2.0 | [C] < 2.0 |
| Ethylbenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| m & p-Xylene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| o-Xylene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Styrene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Tribromomethane | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Isopropylbenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Bromobenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,2,3-Trichloropropane | N | 1760 | µg/l | 50 | [C] < 50 | [C] < 50 |
| N-Propylbenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 2-Chlorotoluene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,3,5-Trimethylbenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 4-Chlorotoluene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Tert-Butylbenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,2,4-Trimethylbenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Sec-Butylbenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,3-Dichlorobenzene | N | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 4-Isopropyltoluene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,4-Dichlorobenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| N-Butylbenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,2-Dichlorobenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,2-Dibromo-3-Chloropropane | U | 1760 | µg/l | 50 | [C] < 50 | [C] < 50 |
| 1,2,4-Trichlorobenzene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| Hexachlorobutadiene | U | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| 1,2,3-Trichlorobenzene | U | 1760 | µg/l | 2.0 | [C] < 2.0 | [C] < 2.0 |
| Methyl Tert-Butyl Ether | N | 1760 | µg/l | 1.0 | [C] < 1.0 | [C] < 1.0 |
| N-Nitrosodimethylamine | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Phenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2-Chlorophenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Bis-(2-Chloroethyl)Ether | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 1,3-Dichlorobenzene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 1,4-Dichlorobenzene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 1,2-Dichlorobenzene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |

**Project: Dub Digital Realty**

| Client: Site Investigations Ltd | | | Chemtest Job No.: | | 21-17406 | 21-17406 |
|---|---|---|---|---|---|---|
| Quotation No.: | | | Chemtest Sample ID.: | | 1207107 | 1207108 |
| | | | Client Sample ID.: | | BH103 | BH104 |
| | | | Sample Type: | | WATER | WATER |
| | | | Top Depth (m): | | 2.80 | 2.70 |
| | | | Bottom Depth (m): | | 2.80 | 2.70 |
| | | | Date Sampled: | | 18-May-2021 | 18-May-2021 |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | |
| 2-Methylphenol (o-Cresol) | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Bis(2-Chloroisopropyl)Ether | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Hexachloroethane | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| N-Nitrosodi-n-propylamine | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 4-Methylphenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Nitrobenzene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Isophorone | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2-Nitrophenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2,4-Dimethylphenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Bis(2-Chloroethoxy)Methane | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2,4-Dichlorophenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 1,2,4-Trichlorobenzene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Naphthalene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 4-Chloroaniline | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Hexachlorobutadiene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 4-Chloro-3-Methylphenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2-Methylnaphthalene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Hexachlorocyclopentadiene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2,4,6-Trichlorophenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2,4,5-Trichlorophenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2-Chloronaphthalene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2-Nitroaniline | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Acenaphthylene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Dimethylphthalate | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2,6-Dinitrotoluene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Acenaphthene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 3-Nitroaniline | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Dibenzofuran | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 4-Chlorophenylphenylether | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2,4-Dinitrotoluene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Fluorene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Diethyl Phthalate | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 4-Nitroaniline | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 2-Methyl-4,6-Dinitrophenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Azobenzene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 4-Bromophenylphenyl Ether | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Hexachlorobenzene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Pentachlorophenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Phenanthrene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |

# Results - Water

**Project: Dub Digital Realty**

| Client: Site Investigations Ltd | | | Chemtest Job No.: | | 21-17406 | 21-17406 |
|---|---|---|---|---|---|---|
| Quotation No.: | | | Chemtest Sample ID.: | | 1207107 | 1207108 |
| | | | Client Sample ID.: | | BH103 | BH104 |
| | | | Sample Type: | | WATER | WATER |
| | | | Top Depth (m): | | 2.80 | 2.70 |
| | | | Bottom Depth (m): | | 2.80 | 2.70 |
| | | | Date Sampled: | | 18-May-2021 | 18-May-2021 |
| **Determinand** | **Accred.** | **SOP** | **Units** | **LOD** | | |
| Anthracene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Carbazole | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Di-N-Butyl Phthalate | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Fluoranthene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Pyrene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Butylbenzyl Phthalate | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Benzo[a]anthracene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Chrysene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Bis(2-Ethylhexyl)Phthalate | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Di-N-Octyl Phthalate | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Benzo[b]fluoranthene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Benzo[k]fluoranthene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Benzo[a]pyrene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Indeno(1,2,3-c,d)Pyrene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Dibenz(a,h)Anthracene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| Benzo[g,h,i]perylene | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |
| 4-Nitrophenol | N | 1790 | µg/l | 0.50 | < 0.50 | < 0.50 |

# Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request.The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

| Sample: | Sample Ref: | Sample ID: | Sample Location: | Sampled Date: | Deviation Code(s): | Containers Received: |
|---|---|---|---|---|---|---|
| 1207107 | | BH103 | | 18-May-2021 | BC | Coloured Winchester 500ml |
| 1207108 | | BH104 | | 18-May-2021 | BC | Coloured Winchester 500ml |

# Test Methods

| SOP | Title | Parameters included | Method summary |
|---|---|---|---|
| 1010 | pH Value of Waters | pH | pH Meter |
| 1020 | Electrical Conductivity and Total Dissolved Solids (TDS) in Waters | Electrical Conductivity and Total Dissolved Solids (TDS) in Waters | Conductivity Meter |
| 1030 | Total Suspended Solids | Total suspended solids | Filtration of a mixed sample through a standard glass fibre filter and determination of the mass of residue retained dried at 105°C. |
| 1090 | Biochemical Oxygen Demand | Biochemical Oxygen demand (BOD) | Colorimetric determination of dissolved oxygen in seeded sample after 5 days incubation at 20°C. |
| 1100 | Chemical Oxygen Demand | Chemical Oxygen demand (COD) | Dichromate oxidation of organic matter in sample followed by colorimetric determination of residual Cr[VI]. |
| 1150 | Dissolved Oxygen | Dissolved Oxygen (DO) | Electrometric determination (on site preferred), using oxygen sensitive membrane electrode. |
| 1170 | Redox Potential | Redox Potential | Meter |
| 1220 | Anions, Alkalinity & Ammonium in Waters | Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium | Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser. |
| 1455 | Metals in Waters by ICP-MS | Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc | Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS). |
| 1460 | Mercury low-level in Waters by AFS | Mercury | Atomic Fluorescence Spectrometry, with collimated UV source, wavelength 253.7 nm. |
| 1490 | Hexavalent Chromium in Waters | Chromium [VI] | Automated colorimetric analysis by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide. |
| 1670 | Total Petroleum Hydrocarbons (TPH) in Waters by GC-FID | TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO | Pentane extraction / GC FID detection |
| 1675 | TPH Aliphatic/Aromatic split in Waters by GC-FID(cf. Texas Method 1006 / TPH CWG) | Aliphatics: >C5–C6, >C6–C8, >C8– C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7. >C7–C8. >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44 | Pentane extraction / GCxGC FID detection |
| 1760 | Volatile Organic Compounds (VOCs) in Waters by Headspace GC-MS | Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics. (cf. USEPA Method 8260) | Automated headspace gas chromatographic (GC) analysis of water samples with mass spectrometric (MS) detection of volatile organic compounds. |
| 1790 | Semi-Volatile Organic Compounds (SVOCs) in Waters by GC-MS | Semi-volatile organic compounds | Solvent extraction / GCMS detection |

## Report Information

**Key**

| | |
|---|---|
| U | UKAS accredited |
| M | MCERTS and UKAS accredited |
| N | Unaccredited |
| S | This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis |
| SN | This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis |
| T | This analysis has been subcontracted to an unaccredited laboratory |
| I/S | Insufficient Sample |
| U/S | Unsuitable Sample |
| N/E | not evaluated |
| < | "less than" |
| > | "greater than" |
| SOP | Standard operating procedure |
| LOD | Limit of detection |

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

**Sample Deviation Codes**

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

**Sample Retention and Disposal**

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

# Appendix 11

# Survey Data

# Survey Data

| Location | Irish Transverse Mercator | | Elevation | Irish National Grid | |
|---|---|---|---|---|---|
| | Easting | Northing | | Easting | Northing |
| **Boreholes** | | | | | |
| BH101 | 703949.344 | 730370.977 | 76.41 | 304021.203 | 230343.808 |
| BH102 | 703944.087 | 730308.876 | 76.78 | 304015.946 | 230281.694 |
| BH103 | 703917.958 | 730204.224 | 78.01 | 303989.812 | 230177.019 |
| BH104 | 703912.249 | 730287.189 | 76.69 | 303984.101 | 230260.002 |
| BH105 | 703829.758 | 730237.061 | 77.86 | 303901.593 | 230209.862 |
| **Trial Pits** | | | | | |
| TP101 | 703942.020 | 730419.368 | 76.11 | 304013.877 | 230392.209 |
| TP102 | 703919.455 | 730364.456 | 76.88 | 303991.308 | 230337.285 |
| TP103 | 703932.451 | 730271.310 | 75.97 | 304004.308 | 230244.119 |
| TP104 | 703938.827 | 730255.248 | 76.38 | 304010.685 | 230228.054 |
| TP105 | 703914.403 | 730231.977 | 77.21 | 303986.256 | 230204.778 |
| TP106 | 703882.502 | 730215.796 | 78.08 | 303954.348 | 230188.593 |
| TP107 | 703904.141 | 730161.085 | 79.06 | 303975.992 | 230133.870 |
| TP108 | 703794.168 | 730224.059 | 78.40 | 303865.995 | 230196.857 |
| TP109 | 703764.154 | 730231.255 | 78.93 | 303835.975 | 230204.055 |
| TP110 | 703793.861 | 730257.099 | 76.47 | 303865.688 | 230229.904 |
| TP111 | 703819.528 | 730308.373 | 76.19 | 303891.360 | 230281.190 |
| TP112 | 703782.797 | 730288.227 | 79.70 | 303854.621 | 230261.039 |
| TP113 | 703771.018 | 730301.742 | 78.42 | 303842.840 | 230274.557 |
| TP114 | 703781.598 | 730324.084 | 76.54 | 303853.422 | 230296.904 |
| TP115 | 703754.605 | 730326.636 | 78.18 | 303826.423 | 230299.456 |
| TP116 | 703753.055 | 730292.630 | 79.84 | 303824.873 | 230265.443 |
| TP117 | 703720.482 | 730240.262 | 78.18 | 303792.293 | 230213.063 |
| **Foundation Pits (Top of Wall)** | | | | | |
| FP101 | 703938.581 | 730253.192 | 77.22 | 304010.439 | 230225.997 |
| FP102 | 703917.845 | 730250.824 | 77.23 | 303989.699 | 230223.629 |
| FP103 | 703924.519 | 730235.806 | 77.53 | 303996.374 | 230208.608 |
| **Soakaway Tests** | | | | | |
| SA101 | 703886.106 | 730185.483 | 78.71 | 303957.953 | 230158.273 |
| SA102 | 703931.379 | 730339.246 | 77.10 | 304003.235 | 230312.070 |