



## ANALYTICAL TEST REPORT

**Contract no:** 128019

**Contract name:** Wilbraham Road, Manchester

**Client reference:** 3637D

**Clients name:** Castledine Environmental

**Clients address:** 4 Wymeswold Road  
Hoton  
Loughborough  
LE12 5SN

**Samples received:** 02 November 2023

**Analysis started:** 02 November 2023

**Analysis completed:** 09 November 2023

**Report issued:** 09 November 2023

**Key**

|     |                                               |
|-----|-----------------------------------------------|
| U   | UKAS accredited test                          |
| M   | MCERTS & UKAS accredited test                 |
| \$  | Test carried out by an approved subcontractor |
| I/S | Insufficient sample to carry out test         |
| N/S | Sample not suitable for testing               |
| NAD | No Asbestos Detected                          |

**Approved by:**

Samantha Rogerson  
Reporting Manager

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## SAMPLE INFORMATION

### MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

| Lab ref  | Sample id | Depth (m) | Sample description                   | Material removed | % Removed | % Moisture |
|----------|-----------|-----------|--------------------------------------|------------------|-----------|------------|
| 128019-1 | TP01      | 0.10      | Sandy Loam with Gravel & Roots       | -                | -         | 18.9       |
| 128019-2 | TP01      | 0.60      | Sandy Clay with Gravel & Roots       | -                | -         | 14.0       |
| 128019-3 | TP02      | 0.10      | Sandy Loamy Clay with Gravel & Roots | -                | -         | 23.7       |
| 128019-4 | TP02      | 0.45      | Sandy Loamy Clay with Gravel & Roots | -                | -         | 16.1       |
| 128019-5 | TP03      | 0.10      | Sandy Clay with Gravel & Roots       | -                | -         | 4.8        |
| 128019-6 | TP03      | 0.40      | Sandy Clay with Gravel               | -                | -         | 11.4       |
| 128019-7 | TP04      | 0.05      | Loamy Sand with Gravel               | -                | -         | 5.6        |
| 128019-8 | TP04      | 0.30      | Loamy Sand with Gravel               | -                | -         | 20.3       |

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## SOILS

| Lab number<br>Sample id<br>Depth (m)<br>Date sampled |                    |            | 128019-1<br>TP01<br>0.10<br>30/10/2023 | 128019-2<br>TP01<br>0.60<br>30/10/2023 | 128019-3<br>TP02<br>0.10<br>30/10/2023 | 128019-4<br>TP02<br>0.45<br>30/10/2023 | 128019-5<br>TP03<br>0.10<br>30/10/2023 | 128019-6<br>TP03<br>0.40<br>30/10/2023 |
|------------------------------------------------------|--------------------|------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| Test                                                 | Method             | Units      |                                        |                                        |                                        |                                        |                                        |                                        |
| Arsenic (total)                                      | CE264 <sup>M</sup> | mg/kg As   | 13.9                                   | 13.6                                   | 16.7                                   | 29.0                                   | 5.9                                    | 12.1                                   |
| Cadmium (total)                                      | CE264 <sup>M</sup> | mg/kg Cd   | <2                                     | <2                                     | <2                                     | <2                                     | <2                                     | <2                                     |
| Chromium (total)                                     | CE264 <sup>U</sup> | mg/kg Cr   | 145.4                                  | 34.3                                   | 24.0                                   | 32.9                                   | 15.7                                   | 35.4                                   |
| Chromium (VI)                                        | CE263              | mg/kg CrVI | <0.04                                  | <0.04                                  | <0.04                                  | <0.04                                  | <0.04                                  | <0.04                                  |
| Copper (total)                                       | CE264 <sup>M</sup> | mg/kg Cu   | 90.3                                   | 38.8                                   | 59.2                                   | 64.7                                   | 14.6                                   | 23.4                                   |
| Lead (total)                                         | CE264 <sup>U</sup> | mg/kg Pb   | 237.8                                  | 128.8                                  | 403.0                                  | 196.6                                  | 53.3                                   | 67.2                                   |
| Mercury (total)                                      | CE264 <sup>U</sup> | mg/kg Hg   | <2                                     | <2                                     | <2                                     | <2                                     | <2                                     | <2                                     |
| Nickel (total)                                       | CE264 <sup>M</sup> | mg/kg Ni   | 69.1                                   | 20.8                                   | 16.8                                   | 34.9                                   | 8.7                                    | 22.1                                   |
| Selenium (total)                                     | CE264              | mg/kg Se   | <3                                     | <3                                     | <3                                     | <3                                     | <3                                     | <3                                     |
| Zinc (total)                                         | CE264 <sup>M</sup> | mg/kg Zn   | 271.3                                  | 96.6                                   | 167.9                                  | 196.7                                  | 61.0                                   | 61.0                                   |
| pH                                                   | CE004 <sup>M</sup> | units      | 7.8                                    | 7.7                                    | 8.0                                    | 8.0                                    | 8.3                                    | 8.1                                    |
| Phenols (total)                                      | CE078              | mg/kg PhOH | 1.8                                    | 0.5                                    | 0.5                                    | <0.5                                   | <0.5                                   | <0.5                                   |
| Total Organic Carbon (TOC)                           | CE197              | % w/w C    | 4.8                                    | 4.5                                    | 6.6                                    | 6.6                                    | 0.8                                    | 1.7                                    |
| Estimate of OMC (calculated from TOC)                | CE197              | % w/w      | 8.2                                    | 7.7                                    | 11.4                                   | 11.3                                   | 1.3                                    | 2.9                                    |
| <b>PAH</b>                                           |                    |            |                                        |                                        |                                        |                                        |                                        |                                        |
| Naphthalene                                          | CE087 <sup>M</sup> | mg/kg      | 0.08                                   | 0.08                                   | <0.02                                  | 0.07                                   | <0.02                                  | 0.04                                   |
| Acenaphthylene                                       | CE087 <sup>M</sup> | mg/kg      | 0.04                                   | 0.10                                   | <0.02                                  | 0.03                                   | <0.02                                  | 0.04                                   |
| Acenaphthene                                         | CE087 <sup>M</sup> | mg/kg      | 0.14                                   | 0.17                                   | 0.03                                   | 0.06                                   | 0.02                                   | 0.07                                   |
| Fluorene                                             | CE087 <sup>U</sup> | mg/kg      | 0.12                                   | 0.19                                   | <0.02                                  | 0.05                                   | <0.02                                  | 0.11                                   |
| Phenanthrene                                         | CE087 <sup>M</sup> | mg/kg      | 1.37                                   | 2.00                                   | 0.40                                   | 0.71                                   | 0.39                                   | 1.80                                   |
| Anthracene                                           | CE087 <sup>U</sup> | mg/kg      | 0.44                                   | 0.73                                   | 0.12                                   | 0.24                                   | 0.15                                   | 1.36                                   |
| Fluoranthene                                         | CE087 <sup>M</sup> | mg/kg      | 2.53                                   | 2.50                                   | 1.15                                   | 1.89                                   | 1.11                                   | 3.41                                   |
| Pyrene                                               | CE087 <sup>M</sup> | mg/kg      | 2.47                                   | 2.58                                   | 1.08                                   | 1.87                                   | 1.05                                   | 3.03                                   |
| Benzo(a)anthracene                                   | CE087 <sup>U</sup> | mg/kg      | 1.17                                   | 1.19                                   | 0.52                                   | 1.00                                   | 0.50                                   | 1.34                                   |
| Chrysene                                             | CE087 <sup>M</sup> | mg/kg      | 1.42                                   | 1.42                                   | 0.60                                   | 1.20                                   | 0.57                                   | 1.53                                   |
| Benzo(b)fluoranthene                                 | CE087 <sup>M</sup> | mg/kg      | 1.31                                   | 1.09                                   | 0.59                                   | 1.25                                   | 0.55                                   | 1.07                                   |
| Benzo(k)fluoranthene                                 | CE087 <sup>M</sup> | mg/kg      | 0.53                                   | 0.48                                   | 0.30                                   | 0.57                                   | 0.24                                   | 0.47                                   |
| Benzo(a)pyrene                                       | CE087 <sup>U</sup> | mg/kg      | 1.20                                   | 1.23                                   | 0.51                                   | 1.22                                   | 0.59                                   | 1.29                                   |
| Indeno(123cd)pyrene                                  | CE087 <sup>M</sup> | mg/kg      | 0.88                                   | 0.78                                   | 0.45                                   | 1.05                                   | 0.38                                   | 0.71                                   |
| Dibenz(ah)anthracene                                 | CE087 <sup>M</sup> | mg/kg      | 0.17                                   | 0.17                                   | 0.07                                   | 0.13                                   | 0.02                                   | 0.07                                   |
| Benzo(ghi)perylene                                   | CE087 <sup>M</sup> | mg/kg      | 0.83                                   | 0.68                                   | 0.36                                   | 0.83                                   | 0.27                                   | 0.48                                   |
| PAH (total of USEPA 16)                              | CE087              | mg/kg      | 14.7                                   | 15.4                                   | 6.17                                   | 12.1                                   | 5.86                                   | 16.8                                   |
| <b>TPH</b>                                           |                    |            |                                        |                                        |                                        |                                        |                                        |                                        |
| VPH Aromatic (>EC5-EC7)                              | CE067              | mg/kg      | <0.01                                  | -                                      | <0.01                                  | -                                      | <0.01                                  | -                                      |
| VPH Aromatic (>EC7-EC8)                              | CE067              | mg/kg      | <0.01                                  | -                                      | <0.01                                  | -                                      | <0.01                                  | -                                      |
| VPH Aromatic (>EC8-EC10)                             | CE067              | mg/kg      | <0.01                                  | -                                      | <0.01                                  | -                                      | <0.01                                  | -                                      |
| EPH Aromatic (>EC10-EC12)                            | CE250              | mg/kg      | 4                                      | -                                      | 3                                      | -                                      | 1                                      | -                                      |
| EPH Aromatic (>EC12-EC16)                            | CE250              | mg/kg      | 45                                     | -                                      | 7                                      | -                                      | 2                                      | -                                      |
| EPH Aromatic (>EC16-EC21)                            | CE250              | mg/kg      | 42                                     | -                                      | 26                                     | -                                      | 5                                      | -                                      |
| EPH Aromatic (>EC21-EC35)                            | CE250              | mg/kg      | 92                                     | -                                      | 63                                     | -                                      | 14                                     | -                                      |
| EPH Aromatic (>EC35-EC44)                            | CE250              | mg/kg      | 20                                     | -                                      | 20                                     | -                                      | 5                                      | -                                      |

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## SOILS

|                               |               |              |            |            |            |            |            |            |
|-------------------------------|---------------|--------------|------------|------------|------------|------------|------------|------------|
| <b>Lab number</b>             |               |              | 128019-1   | 128019-2   | 128019-3   | 128019-4   | 128019-5   | 128019-6   |
| <b>Sample id</b>              |               |              | TP01       | TP01       | TP02       | TP02       | TP03       | TP03       |
| <b>Depth (m)</b>              |               |              | 0.10       | 0.60       | 0.10       | 0.45       | 0.10       | 0.40       |
| <b>Date sampled</b>           |               |              | 30/10/2023 | 30/10/2023 | 30/10/2023 | 30/10/2023 | 30/10/2023 | 30/10/2023 |
| <b>Test</b>                   | <b>Method</b> | <b>Units</b> |            |            |            |            |            |            |
| VPH Aliphatic (>C5-C6)        | CE067         | mg/kg        | <0.1       | -          | <0.1       | -          | <0.1       | -          |
| VPH Aliphatic (>C6-C8)        | CE067         | mg/kg        | <0.1       | -          | <0.1       | -          | <0.1       | -          |
| VPH Aliphatic (>C8-C10)       | CE067         | mg/kg        | <0.1       | -          | <0.1       | -          | <0.1       | -          |
| EPH Aliphatic (>C10-C12)      | CE250         | mg/kg        | <0.5       | -          | <0.5       | -          | <0.5       | -          |
| EPH Aliphatic (>C12-C16)      | CE250         | mg/kg        | 2          | -          | <0.5       | -          | <0.5       | -          |
| EPH Aliphatic (>C16-C35)      | CE250         | mg/kg        | 7          | -          | <4.5       | -          | <4.5       | -          |
| EPH Aliphatic (>C35-C44)      | CE250         | mg/kg        | <1         | -          | <1         | -          | <1         | -          |
| <b>Subcontracted Analysis</b> |               |              |            |            |            |            |            |            |
| Asbestos (qualitative)        | \$            | -            | NAD        | -          | NAD        | -          | NAD        | -          |

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## SOILS

|                                       |                    |              |            |            |
|---------------------------------------|--------------------|--------------|------------|------------|
| <b>Lab number</b>                     |                    |              | 128019-7   | 128019-8   |
| <b>Sample id</b>                      |                    |              | TP04       | TP04       |
| <b>Depth (m)</b>                      |                    |              | 0.05       | 0.30       |
| <b>Date sampled</b>                   |                    |              | 30/10/2023 | 30/10/2023 |
| <b>Test</b>                           | <b>Method</b>      | <b>Units</b> |            |            |
| Arsenic (total)                       | CE264 <sup>M</sup> | mg/kg As     | 6.5        | 9.7        |
| Cadmium (total)                       | CE264 <sup>M</sup> | mg/kg Cd     | <2         | <2         |
| Chromium (total)                      | CE264 <sup>U</sup> | mg/kg Cr     | 13.2       | 27.8       |
| Chromium (VI)                         | CE263              | mg/kg CrVI   | <0.04      | <0.04      |
| Copper (total)                        | CE264 <sup>M</sup> | mg/kg Cu     | 17.1       | 16.9       |
| Lead (total)                          | CE264 <sup>U</sup> | mg/kg Pb     | 57.3       | 42.5       |
| Mercury (total)                       | CE264 <sup>U</sup> | mg/kg Hg     | <2         | <2         |
| Nickel (total)                        | CE264 <sup>M</sup> | mg/kg Ni     | 8.0        | 15.0       |
| Selenium (total)                      | CE264              | mg/kg Se     | <3         | <3         |
| Zinc (total)                          | CE264 <sup>M</sup> | mg/kg Zn     | 62.2       | 50.2       |
| pH                                    | CE004 <sup>M</sup> | units        | 8.4        | 8.2        |
| Phenols (total)                       | CE078              | mg/kg PhOH   | <0.5       | <0.5       |
| Total Organic Carbon (TOC)            | CE197              | % w/w C      | 3.5        | 2.9        |
| Estimate of OMC (calculated from TOC) | CE197              | % w/w        | 6.0        | 5.0        |
| <b>PAH</b>                            |                    |              |            |            |
| Naphthalene                           | CE087 <sup>M</sup> | mg/kg        | 0.51       | 0.05       |
| Acenaphthylene                        | CE087 <sup>M</sup> | mg/kg        | 0.24       | 0.04       |
| Acenaphthene                          | CE087 <sup>M</sup> | mg/kg        | 0.30       | 0.13       |
| Fluorene                              | CE087 <sup>U</sup> | mg/kg        | 0.17       | 0.08       |
| Phenanthrene                          | CE087 <sup>M</sup> | mg/kg        | 2.31       | 0.93       |
| Anthracene                            | CE087 <sup>U</sup> | mg/kg        | 3.04       | 0.47       |
| Fluoranthene                          | CE087 <sup>M</sup> | mg/kg        | 37.48      | 2.38       |
| Pyrene                                | CE087 <sup>M</sup> | mg/kg        | 36.79      | 2.65       |
| Benzo(a)anthracene                    | CE087 <sup>U</sup> | mg/kg        | 19.38      | 2.26       |
| Chrysene                              | CE087 <sup>M</sup> | mg/kg        | 19.27      | 2.48       |
| Benzo(b)fluoranthene                  | CE087 <sup>M</sup> | mg/kg        | 22.92      | 3.85       |
| Benzo(k)fluoranthene                  | CE087 <sup>M</sup> | mg/kg        | 9.87       | 1.67       |
| Benzo(a)pyrene                        | CE087 <sup>U</sup> | mg/kg        | 27.84      | 4.60       |
| Indeno(123cd)pyrene                   | CE087 <sup>M</sup> | mg/kg        | 28.06      | 4.09       |
| Dibenz(ah)anthracene                  | CE087 <sup>M</sup> | mg/kg        | 4.36       | 0.88       |
| Benzo(ghi)perylene                    | CE087 <sup>M</sup> | mg/kg        | 23.75      | 3.07       |
| PAH (total of USEPA 16)               | CE087              | mg/kg        | 236        | 29.6       |
| <b>TPH</b>                            |                    |              |            |            |
| VPH Aromatic (>EC5-EC7)               | CE067              | mg/kg        | <0.01      | -          |
| VPH Aromatic (>EC7-EC8)               | CE067              | mg/kg        | <0.01      | -          |
| VPH Aromatic (>EC8-EC10)              | CE067              | mg/kg        | <0.01      | -          |
| EPH Aromatic (>EC10-EC12)             | CE250              | mg/kg        | 31         | -          |
| EPH Aromatic (>EC12-EC16)             | CE250              | mg/kg        | 48         | -          |
| EPH Aromatic (>EC16-EC21)             | CE250              | mg/kg        | 684        | -          |
| EPH Aromatic (>EC21-EC35)             | CE250              | mg/kg        | 2648       | -          |
| EPH Aromatic (>EC35-EC44)             | CE250              | mg/kg        | 797        | -          |

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## SOILS

|                               |               |              |            |            |
|-------------------------------|---------------|--------------|------------|------------|
| <b>Lab number</b>             |               |              | 128019-7   | 128019-8   |
| <b>Sample id</b>              |               |              | TP04       | TP04       |
| <b>Depth (m)</b>              |               |              | 0.05       | 0.30       |
| <b>Date sampled</b>           |               |              | 30/10/2023 | 30/10/2023 |
| <b>Test</b>                   | <b>Method</b> | <b>Units</b> |            |            |
| VPH Aliphatic (>C5-C6)        | CE067         | mg/kg        | <0.1       | -          |
| VPH Aliphatic (>C6-C8)        | CE067         | mg/kg        | <0.1       | -          |
| VPH Aliphatic (>C8-C10)       | CE067         | mg/kg        | <0.1       | -          |
| EPH Aliphatic (>C10-C12)      | CE250         | mg/kg        | 4          | -          |
| EPH Aliphatic (>C12-C16)      | CE250         | mg/kg        | 7          | -          |
| EPH Aliphatic (>C16-C35)      | CE250         | mg/kg        | 67         | -          |
| EPH Aliphatic (>C35-C44)      | CE250         | mg/kg        | 37         | -          |
| <b>Subcontracted Analysis</b> |               |              |            |            |
| Asbestos (qualitative)        | \$            | -            | NAD        | -          |

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## METHOD DETAILS

| METHOD | SOILS                                 | METHOD SUMMARY                          | SAMPLE      | STATUS | LOD  | UNITS      |
|--------|---------------------------------------|-----------------------------------------|-------------|--------|------|------------|
| CE264  | Arsenic (total)                       | Aqua Regia Extraction, ICPOES           | Dry         | M      | 3    | mg/kg As   |
| CE264  | Cadmium (total)                       | Aqua Regia Extraction, ICPOES           | Dry         | M      | 2    | mg/kg Cd   |
| CE264  | Chromium (total)                      | Aqua Regia Extraction, ICPOES           | Dry         | U      | 2    | mg/kg Cr   |
| CE263  | Chromium (VI)                         | Discrete Analyser                       | Dry         |        | 0.04 | mg/kg CrVI |
| CE264  | Copper (total)                        | Aqua Regia Extraction, ICPOES           | Dry         | M      | 2    | mg/kg Cu   |
| CE264  | Lead (total)                          | Aqua Regia Extraction, ICPOES           | Dry         | U      | 3    | mg/kg Pb   |
| CE264  | Mercury (total)                       | Aqua Regia Extraction, ICPOES           | Dry         | U      | 2    | mg/kg Hg   |
| CE264  | Nickel (total)                        | Aqua Regia Extraction, ICPOES           | Dry         | M      | 3    | mg/kg Ni   |
| CE264  | Selenium (total)                      | Aqua Regia Extraction, ICPOES           | Dry         | U      | 3    | mg/kg Se   |
| CE264  | Zinc (total)                          | Aqua Regia Extraction, ICPOES           | Dry         | M      | 4    | mg/kg Zn   |
| CE004  | pH                                    | Based on BS 1377, pH Meter              | As received | M      | -    | units      |
| CE078  | Phenols (total)                       | Extraction, Continuous Flow Colorimetry | As received |        | 0.5  | mg/kg PhOH |
| CE197  | Total Organic Carbon (TOC)            | Carbon Analyser                         | Dry         |        | 0.1  | % w/w C    |
| CE197  | Estimate of OMC (calculated from TOC) | Calculation from Total Organic Carbon   | Dry         |        | 0.1  | % w/w      |
| CE087  | Naphthalene                           | Solvent extraction, GC-MS               | As received | M      | 0.02 | mg/kg      |
| CE087  | Acenaphthylene                        | Solvent extraction, GC-MS               | As received | M      | 0.02 | mg/kg      |
| CE087  | Acenaphthene                          | Solvent extraction, GC-MS               | As received | M      | 0.02 | mg/kg      |
| CE087  | Fluorene                              | Solvent extraction, GC-MS               | As received | U      | 0.02 | mg/kg      |
| CE087  | Phenanthrene                          | Solvent extraction, GC-MS               | As received | M      | 0.02 | mg/kg      |
| CE087  | Anthracene                            | Solvent extraction, GC-MS               | As received | U      | 0.02 | mg/kg      |
| CE087  | Fluoranthene                          | Solvent extraction, GC-MS               | As received | M      | 0.02 | mg/kg      |
| CE087  | Pyrene                                | Solvent extraction, GC-MS               | As received | M      | 0.02 | mg/kg      |
| CE087  | Benzo(a)anthracene                    | Solvent extraction, GC-MS               | As received | U      | 0.02 | mg/kg      |
| CE087  | Chrysene                              | Solvent extraction, GC-MS               | As received | M      | 0.03 | mg/kg      |
| CE087  | Benzo(b)fluoranthene                  | Solvent extraction, GC-MS               | As received | M      | 0.02 | mg/kg      |
| CE087  | Benzo(k)fluoranthene                  | Solvent extraction, GC-MS               | As received | M      | 0.03 | mg/kg      |
| CE087  | Benzo(a)pyrene                        | Solvent extraction, GC-MS               | As received | U      | 0.02 | mg/kg      |
| CE087  | Indeno(123cd)pyrene                   | Solvent extraction, GC-MS               | As received | M      | 0.02 | mg/kg      |
| CE087  | Dibenz(ah)anthracene                  | Solvent extraction, GC-MS               | As received | M      | 0.02 | mg/kg      |
| CE087  | Benzo(ghi)perylene                    | Solvent extraction, GC-MS               | As received | M      | 0.02 | mg/kg      |
| CE087  | PAH (total of USEPA 16)               | Solvent extraction, GC-MS               | As received |        | 0.34 | mg/kg      |
| CE067  | VPH Aromatic (>EC5-EC7)               | Headspace GC-FID                        | As received |        | 0.01 | mg/kg      |
| CE067  | VPH Aromatic (>EC7-EC8)               | Headspace GC-FID                        | As received |        | 0.01 | mg/kg      |
| CE067  | VPH Aromatic (>EC8-EC10)              | Headspace GC-FID                        | As received |        | 0.01 | mg/kg      |
| CE250  | EPH Aromatic (>EC10-EC12)             | Solvent extraction, GCxGC-FID           | As received |        | 0.5  | mg/kg      |
| CE250  | EPH Aromatic (>EC12-EC16)             | Solvent extraction, GCxGC-FID           | As received |        | 1    | mg/kg      |
| CE250  | EPH Aromatic (>EC16-EC21)             | Solvent extraction, GCxGC-FID           | As received |        | 2    | mg/kg      |
| CE250  | EPH Aromatic (>EC21-EC35)             | Solvent extraction, GCxGC-FID           | As received |        | 5    | mg/kg      |
| CE250  | EPH Aromatic (>EC35-EC44)             | Solvent extraction, GCxGC-FID           | As received |        | 1.5  | mg/kg      |
| CE067  | VPH Aliphatic (>C5-C6)                | Headspace GC-FID                        | As received |        | 0.1  | mg/kg      |
| CE067  | VPH Aliphatic (>C6-C8)                | Headspace GC-FID                        | As received |        | 0.1  | mg/kg      |
| CE067  | VPH Aliphatic (>C8-C10)               | Headspace GC-FID                        | As received |        | 0.1  | mg/kg      |
| CE250  | EPH Aliphatic (>C10-C12)              | Solvent extraction, GCxGC-FID           | As received |        | 0.5  | mg/kg      |
| CE250  | EPH Aliphatic (>C12-C16)              | Solvent extraction, GCxGC-FID           | As received |        | 0.5  | mg/kg      |

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## METHOD DETAILS

| METHOD | SOILS                    | METHOD SUMMARY                | SAMPLE      | STATUS | LOD | UNITS |
|--------|--------------------------|-------------------------------|-------------|--------|-----|-------|
| CE250  | EPH Aliphatic (>C16-C35) | Solvent extraction, GCxGC-FID | As received |        | 4.5 | mg/kg |
| CE250  | EPH Aliphatic (>C35-C44) | Solvent extraction, GCxGC-FID | As received |        | 1   | mg/kg |
| \$     | Asbestos (qualitative)   | HSG 248, Microscopy           | Dry         | U      | -   | -     |

# Chemtech Environmental Limited

## DEVIATING SAMPLE INFORMATION

### Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

### Key

|     |                                                 |
|-----|-------------------------------------------------|
| N   | No (not deviating sample)                       |
| Y   | Yes (deviating sample)                          |
| NSD | Sampling date not provided                      |
| NST | Sampling time not provided (waters only)        |
| EHT | Sample exceeded holding time(s)                 |
| IC  | Sample not received in appropriate containers   |
| HP  | Headspace present in sample container           |
| NCF | Sample not chemically fixed (where appropriate) |
| OR  | Other (specify)                                 |

| Lab ref  | Sample id | Depth (m) | Deviating | Tests (Reason for deviation) |
|----------|-----------|-----------|-----------|------------------------------|
| 128019-1 | TP01      | 0.10      | N         |                              |
| 128019-2 | TP01      | 0.60      | N         |                              |
| 128019-3 | TP02      | 0.10      | N         |                              |
| 128019-4 | TP02      | 0.45      | N         |                              |
| 128019-5 | TP03      | 0.10      | N         |                              |
| 128019-6 | TP03      | 0.40      | N         |                              |
| 128019-7 | TP04      | 0.05      | N         |                              |
| 128019-8 | TP04      | 0.30      | N         |                              |

# Chemtech Environmental Limited

## ADDITIONAL INFORMATION

### Notes

Opinions and interpretations expressed herein are outside the UKAS accreditation scope.

Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.

All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.

Methods, procedures and performance data are available on request.

Results reported herein relate only to the material supplied to the laboratory.

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Soil/Solid samples will be disposed of 4 weeks from initial receipt unless otherwise agreed.

Waters and leachate samples will be disposed of 2 weeks from report issue unless otherwise agreed.

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For soils and solids, all results are reported on a dry basis. Samples dried at no more than 30°C in a drying cabinet.

For soils and solids, analytical results are inclusive of stones, where applicable.

Moisture Content Calculated on a Wet Weight basis