



2183

# Amended Report

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|-------------------------------|---------------------------------------------------------------------------------------------------|--------------------------|-------------|
| <b>Report No.:</b>            | 20-24276-2                                                                                        |                          |             |
| <b>Initial Date of Issue:</b> | 17-Sep-2020                                                                                       | <b>Date of Re-Issue:</b> | 25-Sep-2020 |
| <b>Client</b>                 | CE Geochem                                                                                        |                          |             |
| <b>Client Address:</b>        | CE Geochem Laboratories<br>CEG Laboratories<br>Matlock Road<br>Kelstedge<br>Derbyshire<br>S45 0DX |                          |             |
| <b>Contact(s):</b>            | Jamie Cutting<br>Laboratory                                                                       |                          |             |
| <b>Project</b>                | A190707 Hornsey Gas Works                                                                         |                          |             |
| <b>Quotation No.:</b>         |                                                                                                   | <b>Date Received:</b>    | 11-Sep-2020 |
| <b>Order No.:</b>             | A190707                                                                                           | <b>Date Instructed:</b>  | 11-Sep-2020 |
| <b>No. of Samples:</b>        | 1                                                                                                 |                          |             |
| <b>Turnaround (Wkdays):</b>   | 11                                                                                                | <b>Results Due:</b>      | 25-Sep-2020 |
| <b>Date Approved:</b>         | 25-Sep-2020                                                                                       |                          |             |

**Approved By:****Details:** Glynn Harvey, Technical Manager

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## Results - Soil

### Project: A190707 Hornsey Gas Works

| Client: CE Geochem                  | Chemtest Job No.:    |      | 20-24276    |       |                      |
|-------------------------------------|----------------------|------|-------------|-------|----------------------|
| Quotation No.:                      | Chemtest Sample ID.: |      | 1062457     |       |                      |
|                                     | Client Sample ID.:   |      | Val 005 ST  |       |                      |
|                                     | Sample Type:         |      | SOIL        |       |                      |
|                                     | Date Sampled:        |      | 10-Sep-2020 |       |                      |
|                                     | Asbestos Lab:        |      | COVENTRY    |       |                      |
| Determinand                         | Accred.              | SOP  | Units       | LOD   |                      |
| ACM Type                            | U                    | 2192 |             | N/A   | -                    |
| Asbestos Identification             | U                    | 2192 | %           | 0.001 | No Asbestos Detected |
| ACM Detection Stage                 | U                    | 2192 |             | N/A   | -                    |
| Moisture                            | N                    | 2030 | %           | 0.020 | 14                   |
| Sulphate (2:1 Water Soluble) as SO4 | U                    | 2120 | g/l         | 0.010 | < 0.010              |
| Chloride (Water Soluble)            | U                    | 2220 | g/l         | 0.010 | 1.4                  |
| Calcium                             | N                    | 2400 | mg/l        | 20    | 74000                |
| Sodium                              | N                    | 2400 | mg/l        | 2.0   | 210                  |
| Ammonium (Extractable)              | U                    | 2425 | mg/kg       | 0.50  | < 0.50               |
| Calcium (Total)                     | N                    | 2430 | mg/kg       | 100   | 74000                |
| Sodium (Total)                      | N                    | 2430 | mg/kg       | 10    | 800                  |

## Test Methods

| SOP  | Title                                                      | Parameters included                  | Method summary                                                                                                                                     |
|------|------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                       |
| 2192 | Asbestos                                                   | Asbestos                             | Polarised light microscopy / Gravimetry                                                                                                            |
| 2220 | Water soluble Chloride in Soils                            | Chloride                             | Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.                                 |
| 2400 | Cations                                                    | Cations                              | ICP-MS                                                                                                                                             |
| 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.                                                                        |

## **Report Information**

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### **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"                                                                                                |

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

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### **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)

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### **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](mailto:customerservices@chemtest.com)