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# Final Report

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|-------------------------------|---------------------------------------------------------------------------------------------------|-------------------------|-------------|
| <b>Report No.:</b>            | 20-24762-1                                                                                        |                         |             |
| <b>Initial Date of Issue:</b> | 19-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>   | 16-Sep-2020 |
| <b>Order No.:</b>             | A190707                                                                                           | <b>Date Instructed:</b> | 16-Sep-2020 |
| <b>No. of Samples:</b>        | 6                                                                                                 |                         |             |
| <b>Turnaround (Wkdays):</b>   | 5                                                                                                 | <b>Results Due:</b>     | 22-Sep-2020 |
| <b>Date Approved:</b>         | 19-Sep-2020                                                                                       |                         |             |
| <b>Approved By:</b>           |                 |                         |             |
| <b>Details:</b>               | Glynn Harvey, Technical Manager                                                                   |                         |             |

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## Results - Water

**Project: A190707 Hornsey Gas Works**

|                           |                             |            |              |            |             |             |             |             |             |             |
|---------------------------|-----------------------------|------------|--------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Client: CE Geochem</b> | <b>Chemtest Job No.:</b>    |            |              |            | 20-24762    | 20-24762    | 20-24762    | 20-24762    | 20-24762    | 20-24762    |
| Quotation No.:            | <b>Chemtest Sample ID.:</b> |            |              |            | 1064800     | 1064801     | 1064802     | 1064803     | 1064804     | 1064805     |
|                           | Client Sample ID.:          |            |              |            | Val 005 F1  | Val 005 F2  | Val 005 F3  | Val 006 F1  | Val 006 F2  | Val 006 F3  |
|                           | Sample Type:                |            |              |            | WATER       | WATER       | WATER       | WATER       | WATER       | WATER       |
|                           | Date Sampled:               |            |              |            | 15-Sep-2020 | 15-Sep-2020 | 15-Sep-2020 | 15-Sep-2020 | 15-Sep-2020 | 15-Sep-2020 |
| <b>Determinand</b>        | <b>Accred.</b>              | <b>SOP</b> | <b>Units</b> | <b>LOD</b> |             |             |             |             |             |             |
| Chloride                  | U                           | 1220       | mg/l         | 1.0        | 67          | 61          | 180         | 32          | 38          | 58          |
| Ammonium                  | U                           | 1220       | mg/l         | 0.050      | 0.46        | < 0.050     | < 0.050     | 0.15        | 0.16        | 0.099       |
| Sulphate                  | U                           | 1220       | mg/l         | 1.0        | 1.4         | 14          | 40          | 22          | 36          | 76          |
| Calcium                   | U                           | 1415       | mg/l         | 5.0        | 170         | 55          | 120         | 29          | 32          | 74          |
| Sodium                    | U                           | 1415       | mg/l         | 0.50       | 16          | 2.6         | 3.8         | 2.1         | < 0.50      | 1.0         |

## Test Methods

| SOP  | Title                                   | Parameters included                                                                                              | Method summary                                                                   |
|------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 1010 | pH Value of Waters                      | pH                                                                                                               | pH 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.           |
| 1415 | Cations in Waters by ICP-MS             | Sodium; Potassium; Calcium; Magnesium                                                                            | Direct determination by inductively coupled plasma - mass spectrometry (ICP-MS). |

## **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)