



|                   |                   |
|-------------------|-------------------|
| Hole ID           | HP4               |
| Plot No./Position | Plot 12           |
| Date of Hole      | 07/01/2021, 14:19 |
| Hole Type         | HP                |
| Final Depth       | 0.75              |

Ground Conditions

(2 records)

| Top Depth | Base Depth | General description of stratum                                                                                                    |
|-----------|------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 0         | 0.25       | Dark brown slightly sandy CLAY with frequent roots and rootlets and occasional flint gravel                                       |
| 0.25      | 0.75       | Orange brown slightly sandy slightly gravelly CLAY. Sand is fine and gravel is fine to medium sub angular to sub rounded of flint |

Samples

(2 records)

| Top Depth | Base Depth | Sample type | Sample reference |
|-----------|------------|-------------|------------------|
| 0.15      | 0.15       | ES          | 1                |
| 0.4       | 0.4        | ES          | 2                |

Pass/Fail

(X) Pass

( ) Fail

Remarks

Taram encountered beneath sub soil at 0.75m bgl

Photo of Spoil



Photo of hole with tape in place



|                   |                   |
|-------------------|-------------------|
| Hole ID           | HP5               |
| Plot No./Position | Plot 13           |
| Date of Hole      | 07/01/2021, 14:20 |
| Hole Type         | HP                |
| Final Depth       | 0.75              |

## Ground Conditions

(2 records)

| Top Depth | Base Depth | General description of stratum                                                                                                    |
|-----------|------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 0         | 0.25       | Dark brown slightly sandy CLAY with frequent roots and rootlets and occasional flint gravel                                       |
| 0.25      | 0.75       | Orange brown slightly sandy slightly gravelly CLAY. Sand is fine and gravel is fine to medium sub angular to sub rounded of flint |

Samples

(2 records)

| Top Depth | Base Depth | Sample type | Sample reference |
|-----------|------------|-------------|------------------|
| 0.2       | 0.2        | ES          | 1                |
| 0.6       | 0.6        | ES          | 2                |

Pass/Fail

(X) Pass

( ) Fail

Remarks

Taram present beneath sub soil at 0.75m bgl

Photo of Spoil



Photo of hole with tape in place



Photographs

(1 record)

Photograph



Description Rear gardens (plots 8-15)

Hole ID HP6  
 Plot No./Position Plots 14-15  
 Date of Hole 07/01/2021, 14:20  
 Hole Type HP  
 Final Depth 0.8

Ground Conditions

(2 records)

| Top Depth | Base Depth | General description of stratum                                                                                                    |
|-----------|------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 0         | 0.25       | Dark brown slightly sandy CLAY with frequent roots and rootlets and occasional flint gravel                                       |
| 0.25      | 0.8        | Orange brown slightly gravelly slightly sandy CLAY. Sand is fine and gravel is fine to medium sub angular to sub rounded of flint |

Samples

(2 records)

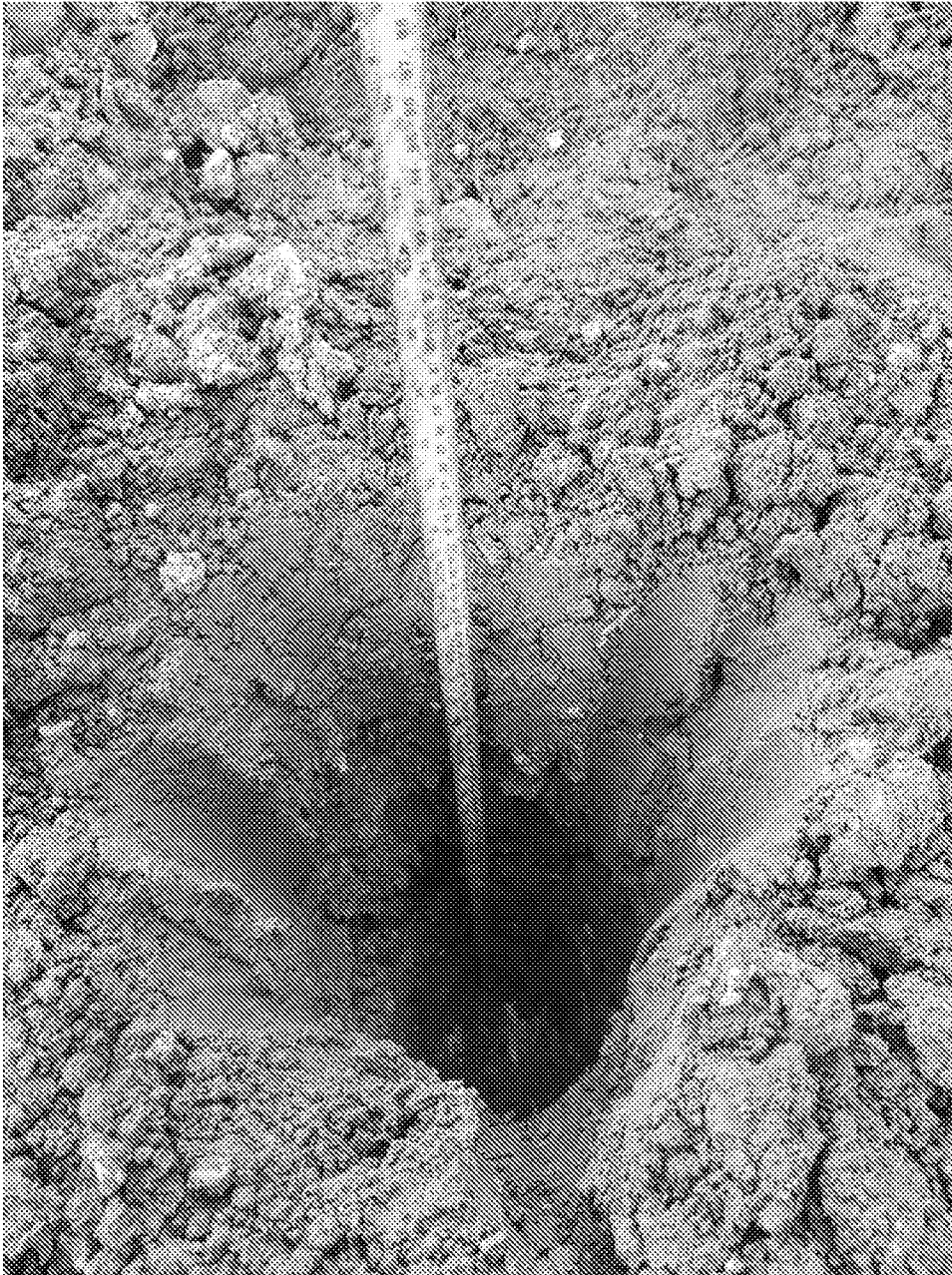
| Top Depth | Base Depth | Sample type | Sample reference |
|-----------|------------|-------------|------------------|
| 0.2       | 0.2        | ES          | 1                |
| 0.65      | 0.65       | ES          | 2                |

|           |                                            |
|-----------|--------------------------------------------|
| Pass/Fail | (X) Pass<br>( ) Fail                       |
| Remarks   | Taram present beneath sub soil at 0.8m bgl |

Photo of Spoil



Photo of hole with tape in place



Photographs

(1 record)

Photograph

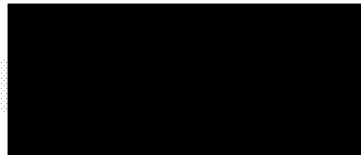


Description

Plots 14-15

Approved By

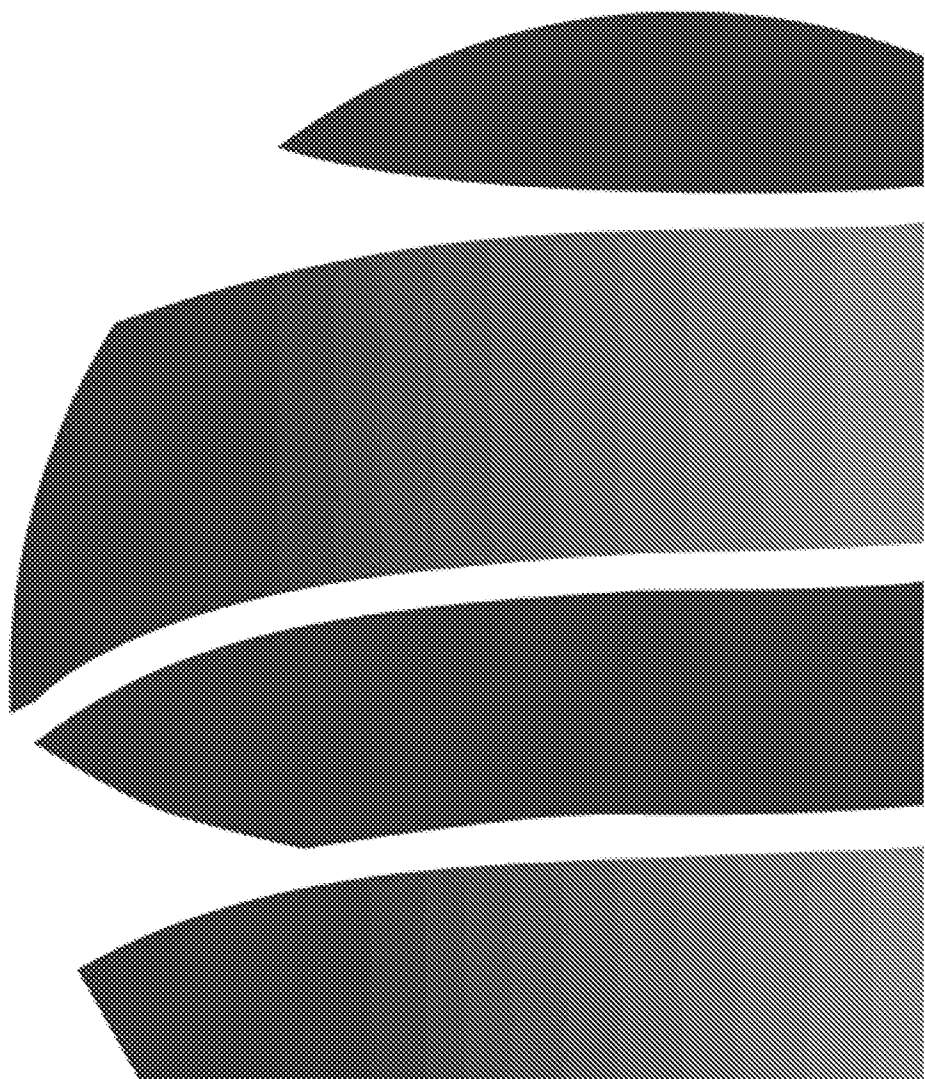
 Fiona Goode





## **APPENDIX F**

### **Independent Geochemical Laboratory Test Results for Topsoil and Subsoil (14/12/2020 and 18/01/2021)**





2683



Unit A2  
Windmill Road  
Ponswood Industrial Estate  
St Leonards on Sea  
East Sussex  
TN38 9BY

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## THE ENVIRONMENTAL LABORATORY LTD

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**Analytical Report Number:** 20-31128

**Issue:** 1

**Date of Issue:** 14/12/2020

**Contact:** Laura Legate

**Customer Details:** GESL  
Unit 7  
Danworth Farm  
Hurstpierpoint  
West Sussex BN6 9GL

**Quotation No:** Q19-01488

**Order No:** PO

**Customer Reference:** GE18103

**Date Received:** 27/11/2020

**Date Approved:** 14/12/2020

**Details:** Cornfield Close, Littlehampton

**Approved by:**

Mike Varley, Technical Manager

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## Sample Summary

Report No.: 20-31128, issue number 1

| Elab No. | Client's Ref.            | Date Sampled | Date Scheduled | Description | Deviations |
|----------|--------------------------|--------------|----------------|-------------|------------|
| 221713   | Plot 3 HP101 0.00 - 0.25 | 26/11/2020   | 02/12/2020     | Silty loam  |            |
| 221714   | Plot 1 HP102 0.10        | 26/11/2020   | 02/12/2020     | Silty loam  |            |
| 221715   | Plot 6 HP103 0.10        | 26/11/2020   | 02/12/2020     | Silty loam  |            |



## Results Summary

2683

Report No.: 20-31128, issue number 1

|                    |              |              |              |
|--------------------|--------------|--------------|--------------|
| ELAB Reference     | 221713       | 221714       | 221715       |
| Customer Reference |              |              |              |
| Sample ID          |              |              |              |
| Sample Type        | SOIL         | SOIL         | SOIL         |
| Sample Location    | Plot 3 HP101 | Plot 1 HP102 | Plot 6 HP103 |
| Sample Depth (m)   | 0.00 - 0.25  | 0.10         | 0.10         |
| Sampling Date      | 26/11/2020   | 26/11/2020   | 26/11/2020   |

| Determinand                                         | Codes | Units    | LOD  |        |        |        |
|-----------------------------------------------------|-------|----------|------|--------|--------|--------|
| <b>Soil sample preparation parameters</b>           |       |          |      |        |        |        |
| Material removed                                    | N     | %        | 0.1  | 18.5   | 21.1   | 25.4   |
| Description of Inert material removed               | N     |          | 0    | Stones | Stones | Stones |
| <b>Metals</b>                                       |       |          |      |        |        |        |
| Arsenic                                             | M     | mg/kg    | 1    | 12.4   | 14.0   | 14.0   |
| Beryllium                                           | U     | mg/kg    | 1    | < 1.0  | < 1.0  | < 1.0  |
| Cadmium                                             | M     | mg/kg    | 0.5  | < 0.5  | < 0.5  | < 0.5  |
| Chromium                                            | M     | mg/kg    | 5    | 21.1   | 22.7   | 38.7   |
| Copper                                              | M     | mg/kg    | 5    | 31.8   | 35.1   | 29.9   |
| Lead                                                | M     | mg/kg    | 5    | 112    | 121    | 109    |
| Mercury                                             | M     | mg/kg    | 0.5  | < 0.5  | < 0.5  | < 0.5  |
| Nickel                                              | M     | mg/kg    | 5    | 14.3   | 16.1   | 15.0   |
| Selenium                                            | M     | mg/kg    | 1    | < 1.0  | < 1.0  | < 1.0  |
| Vanadium                                            | M     | mg/kg    | 5    | 31.5   | 35.1   | 34.0   |
| Zinc                                                | M     | mg/kg    | 5    | 127    | 136    | 118    |
| <b>Anions</b>                                       |       |          |      |        |        |        |
| Water Soluble Chloride                              | M     | mg/kg    | 40   | 75     | 67     | 57     |
| Water Soluble Sulphate                              | M     | g/l      | 0.02 | 0.16   | 0.21   | 0.12   |
| <b>Inorganics</b>                                   |       |          |      |        |        |        |
| Carbonate                                           | N     | %        | 0.1  | 1.1    | 1.3    | 2.7    |
| Elemental Sulphur                                   | M     | mg/kg    | 20   | < 20   | < 20   | < 20   |
| Hexavalent Chromium                                 | N     | mg/kg    | 0.8  | < 0.8  | < 0.8  | < 0.8  |
| Total Sulphide                                      | N     | mg/kg    | 2    | < 2    | < 2    | < 2    |
| Total Cyanide                                       | M     | mg/kg    | 1    | < 1.0  | < 1.0  | < 1.0  |
| Acid Soluble Sulphate (SO <sub>4</sub> )            | U     | %        | 0.02 | 0.05   | 0.06   | 0.04   |
| Water Soluble Boron                                 | N     | mg/kg    | 0.5  | 1.0    | 1.0    | 0.8    |
| <b>Miscellaneous</b>                                |       |          |      |        |        |        |
| Electrical Conductivity (CaSO <sub>4</sub> extract) | N     | uS/cm    | 50   | 2520   | 2550   | 2460   |
| Carbon Nitrogen Ratio                               | N     | ratio    | 0.1  | 17.5   | 17.2   | 18.7   |
| Loss On Ignition (450°C)                            | M     | %        | 0.01 | 4.99   | 4.90   | 4.73   |
| pH                                                  | M     | pH units | 0.1  | 8.1    | 8.2    | 8.7    |
| Density                                             | N     | g/ml     | 0    | 1.10   | 1.12   | 1.15   |
| Total Carbon                                        | N     | %        | 0.01 | 2.9    | 2.8    | 2.7    |
| Total Organic Carbon                                | N     | %        | 0.01 | 2.0    | 1.6    | 1.8    |
| Total Nitrogen                                      | N     | %        | 0.01 | 0.17   | 0.17   | 0.15   |
| Extractable Potassium                               | N     | mg/l     | 20   | 225    | 250    | 236    |
| Extractable Magnesium                               | N     | mg/l     | 20   | 92     | 99     | 93     |
| Extractable Phosphate                               | N     | mg/l     | 1    | 66     | 70     | 75     |
| Sand content                                        | NS    | %        | 1    | 84     | 82     | 71     |
| Silt content                                        | NS    | %        | 1    | 13     | 14     | 21     |
| Clay content                                        | NS    | %        | 1    | 3      | 4      | 8      |
| Stones > 2mm                                        | NS    | %        | 1    | 16     | 20     | 18     |
| Stones > 20mm                                       | NS    | %        | 1    | < 1    | < 1    | < 1    |
| Stones > 50mm                                       | NS    | %        | 1    | < 1    | < 1    | < 1    |
| Total Visible Contaminants                          | N     | %        | 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Plastics                                            | N     | %        | 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Sharps                                              | N     | n/kg     | 0    | 0      | 0      | 0      |
| <b>Phenols</b>                                      |       |          |      |        |        |        |
| Total Phenols                                       | N     | mg/kg    | 6    | < 6    | < 6    | < 6    |

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The Environmental Laboratory Ltd. Reg. No. 3882193



## Results Summary

2683

Report No.: 20-31128, issue number 1

|                    |              |              |              |
|--------------------|--------------|--------------|--------------|
| ELAB Reference     | 221713       | 221714       | 221715       |
| Customer Reference |              |              |              |
| Sample ID          |              |              |              |
| Sample Type        | SOIL         | SOIL         | SOIL         |
| Sample Location    | Plot 3 HP101 | Plot 1 HP102 | Plot 6 HP103 |
| Sample Depth (m)   | 0.00 - 0.25  | 0.10         | 0.10         |
| Sampling Date      | 26/11/2020   | 26/11/2020   | 26/11/2020   |

| Determinand                              | Codes | Units | LOD  |        |        |        |
|------------------------------------------|-------|-------|------|--------|--------|--------|
| <b>Polyaromatic hydrocarbons</b>         |       |       |      |        |        |        |
| Naphthalene                              | M     | mg/kg | 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Acenaphthylene                           | M     | mg/kg | 0.1  | < 0.1  | < 0.1  | 0.1    |
| Acenaphthene                             | M     | mg/kg | 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Fluorene                                 | M     | mg/kg | 0.1  | < 0.1  | < 0.1  | < 0.1  |
| Phenanthrene                             | M     | mg/kg | 0.1  | 0.4    | < 0.1  | 0.3    |
| Anthracene                               | M     | mg/kg | 0.1  | 0.1    | < 0.1  | 0.1    |
| Fluoranthene                             | M     | mg/kg | 0.1  | 1.2    | 0.4    | 2.7    |
| Pyrene                                   | M     | mg/kg | 0.1  | 1.0    | 0.3    | 3.2    |
| Benzo(a)anthracene                       | M     | mg/kg | 0.1  | 0.6    | 0.2    | 2.0    |
| Chrysene                                 | M     | mg/kg | 0.1  | 0.7    | 0.2    | 1.9    |
| Benzo(b)fluoranthene                     | M     | mg/kg | 0.1  | 0.7    | 0.2    | 1.9    |
| Benzo(k)fluoranthene                     | M     | mg/kg | 0.1  | 0.9    | 0.2    | 2.6    |
| Benzo(a)pyrene                           | M     | mg/kg | 0.1  | 0.7    | 0.2    | 2.2    |
| Indeno(1,2,3-cd)pyrene                   | M     | mg/kg | 0.1  | 0.6    | 0.2    | 1.8    |
| Dibenzo(a,h)anthracene                   | M     | mg/kg | 0.1  | 0.2    | < 0.1  | 0.4    |
| Benzo[g,h,i]perylene                     | M     | mg/kg | 0.1  | 0.6    | 0.2    | 1.6    |
| Total PAH(16)                            | M     | mg/kg | 0.4  | 7.9    | 2.3    | 21.1   |
| <b>BTEX</b>                              |       |       |      |        |        |        |
| Benzene                                  | M     | ug/kg | 10   | < 10.0 | < 10.0 | < 10.0 |
| Toluene                                  | M     | ug/kg | 10   | < 10.0 | < 10.0 | < 10.0 |
| Ethylbenzene                             | M     | ug/kg | 10   | < 10.0 | < 10.0 | < 10.0 |
| Xylenes                                  | M     | ug/kg | 10   | < 10.0 | < 10.0 | < 10.0 |
| MTBE                                     | N     | ug/kg | 10   | < 10.0 | < 10.0 | < 10.0 |
| <b>TPH CWG</b>                           |       |       |      |        |        |        |
| >C5-C6 Aliphatic                         | N     | mg/kg | 0.01 | < 0.01 | < 0.01 | < 0.01 |
| >C6-C8 Aliphatic                         | N     | mg/kg | 0.01 | < 0.01 | < 0.01 | < 0.01 |
| >C8-C10 Aliphatic                        | N     | mg/kg | 1    | < 1.0  | < 1.0  | < 1.0  |
| >C10-C12 Aliphatic                       | M     | mg/kg | 1    | < 1.0  | < 1.0  | < 1.0  |
| >C12-C16 Aliphatic                       | M     | mg/kg | 1    | < 1.0  | < 1.0  | < 1.0  |
| >C16-C21 Aliphatic                       | M     | mg/kg | 1    | < 1.0  | < 1.0  | < 1.0  |
| >C21-C35 Aliphatic                       | M     | mg/kg | 1    | 5.1    | < 1.0  | < 1.0  |
| >C35-C40 Aliphatic                       | M     | mg/kg | 1    | < 1.0  | < 1.0  | < 1.0  |
| Total aliphatic hydrocarbons (>C5 - C40) | N     | mg/kg | 1    | 6.8    | < 1.0  | 1.3    |
| >C5-C7 Aromatic                          | N     | mg/kg | 0.01 | < 0.01 | < 0.01 | < 0.01 |
| >C7-C8 Aromatic                          | N     | mg/kg | 0.01 | < 0.01 | < 0.01 | < 0.01 |
| >C8-C10 Aromatic                         | N     | mg/kg | 1    | < 1.0  | < 1.0  | < 1.0  |
| >C10-C12 Aromatic                        | M     | mg/kg | 1    | 1.3    | < 1.0  | < 1.0  |
| >C12-C16 Aromatic                        | M     | mg/kg | 1    | 5.2    | 1.1    | 1.5    |
| >C16-C21 Aromatic                        | M     | mg/kg | 1    | 2.0    | < 1.0  | < 1.0  |
| >C21-C35 Aromatic                        | M     | mg/kg | 1    | 22.8   | 2.3    | 3.1    |
| >C35-C40 Aromatic                        | M     | mg/kg | 1    | 2.5    | < 1.0  | < 1.0  |
| Total aromatic hydrocarbons (>C5 - C40)  | N     | mg/kg | 1    | 34.2   | 4.3    | 6.0    |
| Total petroleum hydrocarbons (>C5 - C40) | N     | mg/kg | 1    | 41.0   | 5.1    | 7.3    |

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The Environmental Laboratory Ltd. Reg. No. 3882193



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY

## Results Summary

Report No.: 20-31128, issue number 1

### Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

| Elab No | Depth (m)   | Clients Reference | Description of Sample Matrix #         | Asbestos Identification | Gravimetric Analysis Total (%) | Gravimetric Analysis by ACM Type (%) | Free Fibre Analysis (%) | Total Asbestos (%) |
|---------|-------------|-------------------|----------------------------------------|-------------------------|--------------------------------|--------------------------------------|-------------------------|--------------------|
| 221713  | 0.00 - 0.25 | Plot 3 HP101      | Brown Soil,Stones                      | No asbestos detected    | n/t                            | n/t                                  | n/t                     | n/t                |
| 221714  | 0.10        | Plot 1 HP102      | Brown Soil,Stones,Brick,Twigs,Concrete | No asbestos detected    | n/t                            | n/t                                  | n/t                     | n/t                |
| 221715  | 0.10        | Plot 6 HP103      | Brown sandy Soil,Stones                | No asbestos detected    | n/t                            | n/t                                  | n/t                     | n/t                |

## Method Summary

Report No.: 20-31128, issue number 1

| Parameter                             | Codes | Analysis Undertaken On | Date Tested | Method Number | Technique          |
|---------------------------------------|-------|------------------------|-------------|---------------|--------------------|
| <b>Soil</b>                           |       |                        |             |               |                    |
| Acid neutralisation capacity          | N     | Air dried sample       | 03/12/2020  |               |                    |
| Extractable cations - BS3882          | N     | Air dried sample       | 03/12/2020  |               | ICPMS              |
| Visible Contaminants                  | N     |                        | 03/12/2020  |               |                    |
| Sulphide                              | N     | As submitted sample    | 03/12/2020  | 109           | Colorimetry        |
| Hexavalent chromium                   | N     | As submitted sample    | 03/12/2020  | 110           | Colorimetry        |
| pH                                    | M     | Air dried sample       | 03/12/2020  | 113           | Electromeric       |
| Electrical conductivity of soil       | N     | Air dried sample.      | 04/12/2020  | 114           | Electromeric       |
| Acid Soluble Sulphate                 | U     | Air dried sample       | 04/12/2020  | 115           | Ion Chromatography |
| Phenols in solids                     | N     | As submitted sample    | 03/12/2020  | 121           | HPLC               |
| Elemental Sulphur                     | M     | Air dried sample       | 03/12/2020  | 122           | HPLC               |
| Loss on ignition at 450 deg C         | M     | Air dried sample       | 04/12/2020  | 129           | Gravimetry         |
| PAH (GC-FID)                          | M     | As submitted sample    | 03/12/2020  | 133           | GC-FID             |
| Extr. Phos                            | N     | Air dried sample       | 03/12/2020  | 140           | ICPMS              |
| Water soluble anions                  | M     | Air dried sample       | 03/12/2020  | 172           | Ion Chromatography |
| Low range Aliphatic hydrocarbons soil | N     | As submitted sample    | 03/12/2020  | 181           | GC-MS              |
| Low range Aromatic hydrocarbons soil  | N     | As submitted sample    | 03/12/2020  | 181           | GC-MS              |
| BTEX in solids                        | M     | As submitted sample    | 03/12/2020  | 181A          | GC-MS              |
| Water soluble boron                   | N     | Air dried sample       | 03/12/2020  | 202           | Colorimetry        |
| Total cyanide                         | M     | As submitted sample    | 09/12/2020  | 204           | Colorimetry        |
| Total organic carbon/Total sulphur    | N     | Air dried sample       | 04/12/2020  | 210           | IR                 |
| TPH CWG soil by gc-gc                 | M     | As submitted sample    | 02/12/2020  | 271           |                    |
| Asbestos identification               | U     | Air dried sample       | 04/12/2020  | 280           | Microscopy         |
| Aqua regia extractable metals         | M     | Air dried sample       | 03/12/2020  | 300           | ICPMS              |

Tests marked N are not UKAS accredited



## Report Information

Report No.: 20-31128, issue number 1

### Key

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|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U   | hold UKAS accreditation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| M   | hold MCERTS and UKAS accreditation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| N   | do not currently hold UKAS accreditation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ^   | MCERTS accreditation not applicable for sample matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| *   | UKAS accreditation not applicable for sample matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| S   | Subcontracted to approved laboratory UKAS Accredited for the test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SM  | Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NS  | Subcontracted to approved laboratory. UKAS accreditation is not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I/S | Insufficient Sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| U/S | Unsuitable sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| n/t | Not tested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <   | means "less than"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| >   | means "greater than"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LOD | <p>LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.</p> <p>Soil sample results are expressed on an air dried basis (dried at &lt; 30°C), and are uncorrected for inert material removed.</p> <p>ELAB are unable to provide an interpretation or opinion on the content of this report.</p> <p>The results relate only to the sample received.</p> <p>PCB congener results may include any coeluting PCBs</p> <p>Uncertainty of measurement for the determinands tested are available upon request</p> <p>Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.</p> |

### Deviation Codes

- 
- |   |                                                          |
|---|----------------------------------------------------------|
| a | No date of sampling supplied                             |
| b | No time of sampling supplied (Waters Only)               |
| c | Sample not received in appropriate containers            |
| d | Sample not received in cooled condition                  |
| e | The container has been incorrectly filled                |
| f | Sample age exceeds stability time (sampling to receipt)  |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

### Sample Retention and Disposal

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All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



2683



Unit A2  
Windmill Road  
Ponswood Industrial Estate  
St Leonards on Sea  
East Sussex  
TN38 9BY

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## THE ENVIRONMENTAL LABORATORY LTD

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**Analytical Report Number:** 21-31599

**Issue:** Preliminary Report

**Date of Issue:** 18/01/2021

**Contact:** Fiona Goode

**Customer Details:** GESL  
Unit 7  
Danworth Farm  
Hurstpierpoint  
West Sussex BN6 9GL

**Quotation No:** Q19-01488

**Order No:** PO-3398

**Customer Reference:** GE18103

**Date Received:** 11/01/2021

**Date Approved:** 18/01/2021

**Details:** Cornfield Close

**Approved by:**

Mike Varley, Technical Manager

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## Sample Summary

Report No.: 21-31599, issue number 1

| Elab No. | Client's Ref. | Date Sampled | Date Scheduled | Description      | Deviations |
|----------|---------------|--------------|----------------|------------------|------------|
| 224329   | HP1 0.10      | 07/01/2021   | 11/01/2021     |                  |            |
| 224330   | HP1 0.45      | 07/01/2021   | 11/01/2021     | Silty loam       |            |
| 224331   | HP2 0.15      | 07/01/2021   | 11/01/2021     | Sandy silty loam |            |
| 224332   | HP2 0.50      | 07/01/2021   | 11/01/2021     |                  |            |
| 224333   | HP3 0.10      | 07/01/2021   | 11/01/2021     | Sandy silty loam |            |
| 224334   | HP3 0.30      | 07/01/2021   | 11/01/2021     |                  |            |
| 224335   | HP4 0.15      | 07/01/2021   | 11/01/2021     | Sandy silty loam |            |
| 224336   | HP4 0.40      | 07/01/2021   | 11/01/2021     |                  |            |
| 224337   | HP5 0.20      | 07/01/2021   | 11/01/2021     | Sandy silty loam |            |
| 224338   | HP5 0.60      | 07/01/2021   | 11/01/2021     |                  |            |
| 224339   | HP6 0.20      | 07/01/2021   | 11/01/2021     |                  |            |
| 224340   | HP6 0.65      | 07/01/2021   | 11/01/2021     | Sandy silty loam |            |



## Results Summary

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Report No.: 21-01-0000, Issue Number: 1

|                                         |            |            |            |            |            |           |        |           |
|-----------------------------------------|------------|------------|------------|------------|------------|-----------|--------|-----------|
| ELAB Reference                          | 224330     | 224331     | 224333     | 224335     | 224337     |           |        |           |
| Customer Reference                      |            |            |            |            |            |           |        |           |
| Sample ID                               |            |            |            |            |            |           |        |           |
| Sample Type                             | SOIL       | SOIL       | SOIL       | SOIL       | SOIL       |           |        |           |
| Sample Location                         | HP1        | HP2        | HP3        | HP4        | HP5        |           |        |           |
| Sample Depth (m)                        | 0.45       | 0.15       | 0.10       | 0.15       | 0.20       |           |        |           |
| Sampling Date                           | 07/01/2021 | 07/01/2021 | 07/01/2021 | 07/01/2021 | 07/01/2021 |           |        |           |
| Determinand                             | Codes      | Units      | LOD        |            |            |           |        |           |
| Soil sample preparation parameters      |            |            |            |            |            |           |        |           |
| Material removed                        | N          | %          | 0.1        | 1.4        | 14.8       | 13.3      | 4.3    | 4.0       |
| Description of Inert material removed   | N          |            | 0          | Stones     | Stones     | Stones    | Stones | Stones    |
| Metals                                  |            |            |            |            |            |           |        |           |
| Arsenic                                 | M          | mg/kg      | 1          | n/t        | 14.4       | n/t       | 14.5   | n/t       |
| Beryllium                               | U          | mg/kg      | 1          | n/t        | < 1.0      | n/t       | < 1.0  | n/t       |
| Cadmium                                 | M          | mg/kg      | 0.5        | n/t        | 0.5        | n/t       | < 0.5  | n/t       |
| Chromium                                | M          | mg/kg      | 5          | n/t        | 25.0       | n/t       | 27.7   | n/t       |
| Copper                                  | M          | mg/kg      | 5          | 31.2       | 36.6       | 28.4      | 42.6   | 31.6      |
| Lead                                    | M          | mg/kg      | 5          | n/t        | 133        | n/t       | 167    | n/t       |
| Mercury                                 | M          | mg/kg      | 0.5        | n/t        | < 0.5      | n/t       | < 0.5  | n/t       |
| Nickel                                  | M          | mg/kg      | 5          | 24.4       | 17.8       | 19.7      | 17.6   | 17.2      |
| Selenium                                | M          | mg/kg      | 1          | n/t        | < 1.0      | n/t       | < 1.0  | n/t       |
| Vanadium                                | M          | mg/kg      | 5          | n/t        | 37.4       | n/t       | 42.1   | n/t       |
| Zinc                                    | M          | mg/kg      | 5          | 103        | 147        | 125       | 154    | 138       |
| Anions                                  |            |            |            |            |            |           |        |           |
| Water Soluble Chloride                  | M          | mg/kg      | 40         | n/t        | < 40       | n/t       | 53     | n/t       |
| Water Soluble Sulphate                  | M          | g/l        | 0.02       | n/t        | 0.04       | n/t       | 0.15   | n/t       |
| Inorganics                              |            |            |            |            |            |           |        |           |
| Carbonate                               | N          | %          | 0.1        | 4.5        | n/t        | 4.8       | n/t    | 4.0       |
| Elemental Sulphur                       | M          | mg/kg      | 20         | n/t        | < 20       | n/t       | < 20   | n/t       |
| Hexavalent Chromium                     | N          | mg/kg      | 0.8        | n/t        | < 0.8      | n/t       | < 0.8  | n/t       |
| Total Sulphide                          | N          | mg/kg      | 2          | n/t        | < 2        | n/t       | < 2    | n/t       |
| Total Cyanide                           | M          | mg/kg      | 1          | n/t        | < 1.0      | n/t       | < 1.0  | n/t       |
| Acid Soluble Sulphate (SO4)             | U          | %          | 0.02       | n/t        | 0.06       | n/t       | 0.07   | n/t       |
| Water Soluble Boron                     | N          | mg/kg      | 0.5        | n/t        | 1.5        | n/t       | 1.1    | n/t       |
| Miscellaneous                           |            |            |            |            |            |           |        |           |
| Electrical Conductivity (CaSO4 extract) | N          | uS/cm      | 50         | 2340       | n/t        | 2300      | n/t    | 2430      |
| Carbon Nitrogen Ratio                   | N          | ratio      | 0.1        | n/t        | n/t        | 19.2      | n/t    | 16.7      |
| Loss On Ignition (450°C)                | M          | %          | 0.01       | 5.04       | n/t        | 3.94      | n/t    | 4.23      |
| pH                                      | M          | pH units   | 0.1        | 7.5        | 8.2        | 8.3       | 8.0    | 8.3       |
| Density                                 | N          | g/ml       | 0          | 1.15       | n/t        | 1.15      | n/t    | 1.13      |
| Soil Organic Matter                     | U          | %          | 0.1        | 2.8        | n/t        | n/t       | n/t    | n/t       |
| Total Carbon                            | N          | %          | 0.01       | n/t        | n/t        | 2.3       | n/t    | 2.5       |
| Total Organic Carbon                    | N          | %          | 0.01       | n/t        | 1.8        | n/t       | 2.1    | n/t       |
| Total Nitrogen                          | N          | %          | 0.01       | n/t        | n/t        | 0.12      | n/t    | 0.15      |
| Extractable Potassium                   | N          | mg/l       | 20         | 125        | n/t        | 206       | n/t    | 250       |
| Extractable Magnesium                   | N          | mg/l       | 20         | 109        | n/t        | 88        | n/t    | 89        |
| Extractable Phosphate                   | N          | mg/l       | 1          | n/t        | n/t        | 51        | n/t    | 67        |
| Extractable Calcium                     | N          | mg/l       | 20         | 4380       | n/t        | n/t       | n/t    | n/t       |
| Extractable Sodium                      | N          | mg/l       | 20         | 28         | n/t        | n/t       | n/t    | n/t       |
| Sand content                            | NS         | %          | 1          | to follow  | n/t        | to follow | n/t    | to follow |
| Silt content                            | NS         | %          | 1          | to follow  | n/t        | to follow | n/t    | to follow |
| Clay content                            | NS         | %          | 1          | to follow  | n/t        | to follow | n/t    | to follow |
| Stones > 2mm                            | NS         | %          | 1          | to follow  | n/t        | to follow | n/t    | to follow |
| Stones > 20mm                           | NS         | %          | 1          | to follow  | n/t        | to follow | n/t    | to follow |
| Stones > 50mm                           | NS         | %          | 1          | n/t        | n/t        | to follow | n/t    | to follow |
| Stones > 75mm                           | NS         | %          | 1          | to follow  | n/t        | n/t       | n/t    | n/t       |
| Total Visible Contaminants              | N          | %          | 0.01       | < 0.01     | n/t        | < 0.01    | n/t    | < 0.01    |
| Plastics                                | N          | %          | 0.01       | < 0.01     | n/t        | < 0.01    | n/t    | < 0.01    |
| Sharps                                  | N          | n/kg       | 0          | 0          | n/t        | 0         | n/t    | 0         |

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## Results Summary

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|                    |            |            |            |            |            |
|--------------------|------------|------------|------------|------------|------------|
| ELAB Reference     | 224330     | 224331     | 224333     | 224335     | 224337     |
| Customer Reference |            |            |            |            |            |
| Sample ID          |            |            |            |            |            |
| Sample Type        | SOIL       | SOIL       | SOIL       | SOIL       | SOIL       |
| Sample Location    | HP1        | HP2        | HP3        | HP4        | HP5        |
| Sample Depth (m)   | 0.45       | 0.15       | 0.10       | 0.15       | 0.20       |
| Sampling Date      | 07/01/2021 | 07/01/2021 | 07/01/2021 | 07/01/2021 | 07/01/2021 |

| Determinand                              | Codes | Units | LOD  |     |        |     |        |     |
|------------------------------------------|-------|-------|------|-----|--------|-----|--------|-----|
| <b>Phenols</b>                           |       |       |      |     |        |     |        |     |
| Total Phenols                            | N     | mg/kg | 6    | n/t | < 6    | n/t | < 6    | n/t |
| <b>Polyaromatic hydrocarbons</b>         |       |       |      |     |        |     |        |     |
| Naphthalene                              | M     | mg/kg | 0.1  | n/t | < 0.1  | n/t | < 0.1  | n/t |
| Acenaphthylene                           | M     | mg/kg | 0.1  | n/t | < 0.1  | n/t | < 0.1  | n/t |
| Acenaphthene                             | M     | mg/kg | 0.1  | n/t | < 0.1  | n/t | < 0.1  | n/t |
| Fluorene                                 | M     | mg/kg | 0.1  | n/t | < 0.1  | n/t | < 0.1  | n/t |
| Phenanthrene                             | M     | mg/kg | 0.1  | n/t | 0.4    | n/t | 0.2    | n/t |
| Anthracene                               | M     | mg/kg | 0.1  | n/t | 0.2    | n/t | < 0.1  | n/t |
| Fluoranthene                             | M     | mg/kg | 0.1  | n/t | 0.7    | n/t | 0.7    | n/t |
| Pyrene                                   | M     | mg/kg | 0.1  | n/t | 0.5    | n/t | 0.6    | n/t |
| Benzo(a)anthracene                       | M     | mg/kg | 0.1  | n/t | 0.3    | n/t | 0.3    | n/t |
| Chrysene                                 | M     | mg/kg | 0.1  | n/t | 0.4    | n/t | 0.4    | n/t |
| Benzo(b)fluoranthene                     | M     | mg/kg | 0.1  | n/t | 0.4    | n/t | 0.5    | n/t |
| Benzo(k)fluoranthene                     | M     | mg/kg | 0.1  | n/t | 0.7    | n/t | 0.7    | n/t |
| Benzo(a)pyrene                           | M     | mg/kg | 0.1  | n/t | 0.3    | n/t | 0.4    | n/t |
| Indeno(1,2,3-cd)pyrene                   | M     | mg/kg | 0.1  | n/t | 0.2    | n/t | 0.3    | n/t |
| Dibenzo(a,h)anthracene                   | M     | mg/kg | 0.1  | n/t | 0.2    | n/t | 0.1    | n/t |
| Benzo[g,h,i]perylene                     | M     | mg/kg | 0.1  | n/t | 0.2    | n/t | 0.3    | n/t |
| Total PAH(16)                            | M     | mg/kg | 0.4  | n/t | 4.8    | n/t | 4.5    | n/t |
| <b>BTEX</b>                              |       |       |      |     |        |     |        |     |
| Benzene                                  | M     | ug/kg | 10   | n/t | < 10.0 | n/t | < 10.0 | n/t |
| Toluene                                  | M     | ug/kg | 10   | n/t | < 10.0 | n/t | < 10.0 | n/t |
| Ethylbenzene                             | M     | ug/kg | 10   | n/t | < 10.0 | n/t | < 10.0 | n/t |
| Xylenes                                  | M     | ug/kg | 10   | n/t | < 10.0 | n/t | < 10.0 | n/t |
| MTBE                                     | N     | ug/kg | 10   | n/t | < 10.0 | n/t | < 10.0 | n/t |
| <b>TPH CWG</b>                           |       |       |      |     |        |     |        |     |
| >C5-C6 Aliphatic                         | N     | mg/kg | 0.01 | n/t | < 0.01 | n/t | < 0.01 | n/t |
| >C6-C8 Aliphatic                         | N     | mg/kg | 0.01 | n/t | < 0.01 | n/t | < 0.01 | n/t |
| >C8-C10 Aliphatic                        | N     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| >C10-C12 Aliphatic                       | M     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| >C12-C16 Aliphatic                       | M     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| >C16-C21 Aliphatic                       | M     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| >C21-C35 Aliphatic                       | M     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| >C35-C40 Aliphatic                       | M     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| Total aliphatic hydrocarbons (>C5 - C40) | N     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| >C5-C7 Aromatic                          | N     | mg/kg | 0.01 | n/t | < 0.01 | n/t | < 0.01 | n/t |
| >C7-C8 Aromatic                          | N     | mg/kg | 0.01 | n/t | < 0.01 | n/t | < 0.01 | n/t |
| >C8-C10 Aromatic                         | N     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| >C10-C12 Aromatic                        | M     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| >C12-C16 Aromatic                        | M     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| >C16-C21 Aromatic                        | M     | mg/kg | 1    | n/t | < 1.0  | n/t | < 1.0  | n/t |
| >C21-C35 Aromatic                        | M     | mg/kg | 1    | n/t | 1.8    | n/t | 2.4    | n/t |
| >C35-C40 Aromatic                        | M     | mg/kg | 1    | n/t | 1.7    | n/t | 2.3    | n/t |
| Total aromatic hydrocarbons (>C5 - C40)  | N     | mg/kg | 1    | n/t | 3.5    | n/t | 5.2    | n/t |
| Total petroleum hydrocarbons (>C5 - C40) | N     | mg/kg | 1    | n/t | 3.7    | n/t | 6.1    | n/t |

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## Results Summary

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|                    |            |
|--------------------|------------|
| ELAB Reference     | 224340     |
| Customer Reference |            |
| Sample ID          |            |
| Sample Type        | SOIL       |
| Sample Location    | HP6        |
| Sample Depth (m)   | 0.65       |
| Sampling Date      | 07/01/2021 |

| Determinand                                         | Codes | Units    | LOD  |           |
|-----------------------------------------------------|-------|----------|------|-----------|
| <b>Soil sample preparation parameters</b>           |       |          |      |           |
| Material removed                                    | N     | %        | 0.1  | 23.7      |
| Description of Inert material removed               | N     |          | 0    | Stones    |
| <b>Metals</b>                                       |       |          |      |           |
| Arsenic                                             | M     | mg/kg    | 1    | n/t       |
| Beryllium                                           | U     | mg/kg    | 1    | n/t       |
| Cadmium                                             | M     | mg/kg    | 0.5  | n/t       |
| Chromium                                            | M     | mg/kg    | 5    | n/t       |
| Copper                                              | M     | mg/kg    | 5    | 23.8      |
| Lead                                                | M     | mg/kg    | 5    | n/t       |
| Mercury                                             | M     | mg/kg    | 0.5  | n/t       |
| Nickel                                              | M     | mg/kg    | 5    | 27.3      |
| Selenium                                            | M     | mg/kg    | 1    | n/t       |
| Vanadium                                            | M     | mg/kg    | 5    | n/t       |
| Zinc                                                | M     | mg/kg    | 5    | 92.3      |
| <b>Anions</b>                                       |       |          |      |           |
| Water Soluble Chloride                              | M     | mg/kg    | 40   | n/t       |
| Water Soluble Sulphate                              | M     | g/l      | 0.02 | n/t       |
| <b>Inorganics</b>                                   |       |          |      |           |
| Carbonate                                           | N     | %        | 0.1  | 3.5       |
| Elemental Sulphur                                   | M     | mg/kg    | 20   | n/t       |
| Hexavalent Chromium                                 | N     | mg/kg    | 0.8  | n/t       |
| Total Sulphide                                      | N     | mg/kg    | 2    | n/t       |
| Total Cyanide                                       | M     | mg/kg    | 1    | n/t       |
| Acid Soluble Sulphate (SO <sub>4</sub> )            | U     | %        | 0.02 | n/t       |
| Water Soluble Boron                                 | N     | mg/kg    | 0.5  | n/t       |
| <b>Miscellaneous</b>                                |       |          |      |           |
| Electrical Conductivity (CaSO <sub>4</sub> extract) | N     | uS/cm    | 50   | 2260      |
| Carbon Nitrogen Ratio                               | N     | ratio    | 0.1  | n/t       |
| Loss On Ignition (450°C)                            | M     | %        | 0.01 | 1.74      |
| pH                                                  | M     | pH units | 0.1  | 8.2       |
| Density                                             | N     | g/ml     | 0    | 1.16      |
| Soil Organic Matter                                 | U     | %        | 0.1  | 0.7       |
| Total Carbon                                        | N     | %        | 0.01 | n/t       |
| Total Organic Carbon                                | N     | %        | 0.01 | n/t       |
| Total Nitrogen                                      | N     | %        | 0.01 | n/t       |
| Extractable Potassium                               | N     | mg/l     | 20   | 112       |
| Extractable Magnesium                               | N     | mg/l     | 20   | 105       |
| Extractable Phosphate                               | N     | mg/l     | 1    | n/t       |
| Extractable Calcium                                 | N     | mg/l     | 20   | 3800      |
| Extractable Sodium                                  | N     | mg/l     | 20   | 32        |
| Sand content                                        | NS    | %        | 1    | to follow |
| Silt content                                        | NS    | %        | 1    | to follow |
| Clay content                                        | NS    | %        | 1    | to follow |
| Stones > 2mm                                        | NS    | %        | 1    | to follow |
| Stones > 20mm                                       | NS    | %        | 1    | to follow |
| Stones > 50mm                                       | NS    | %        | 1    | n/t       |
| Stones > 75mm                                       | NS    | %        | 1    | to follow |
| Total Visible Contaminants                          | N     | %        | 0.01 | < 0.01    |
| Plastics                                            | N     | %        | 0.01 | < 0.01    |
| Sharps                                              | N     | n/kg     | 0    | 0         |

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## Results Summary

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|                    |            |
|--------------------|------------|
| ELAB Reference     | 224340     |
| Customer Reference |            |
| Sample ID          |            |
| Sample Type        | SOIL       |
| Sample Location    | HP6        |
| Sample Depth (m)   | 0.65       |
| Sampling Date      | 07/01/2021 |

| Determinand                              | Codes | Units | LOD  |     |
|------------------------------------------|-------|-------|------|-----|
| <b>Phenols</b>                           |       |       |      |     |
| Total Phenols                            | N     | mg/kg | 6    | n/t |
| <b>Polyaromatic hydrocarbons</b>         |       |       |      |     |
| Naphthalene                              | M     | mg/kg | 0.1  | n/t |
| Acenaphthylene                           | M     | mg/kg | 0.1  | n/t |
| Acenaphthene                             | M     | mg/kg | 0.1  | n/t |
| Fluorene                                 | M     | mg/kg | 0.1  | n/t |
| Phenanthrene                             | M     | mg/kg | 0.1  | n/t |
| Anthracene                               | M     | mg/kg | 0.1  | n/t |
| Fluoranthene                             | M     | mg/kg | 0.1  | n/t |
| Pyrene                                   | M     | mg/kg | 0.1  | n/t |
| Benzo(a)anthracene                       | M     | mg/kg | 0.1  | n/t |
| Chrysene                                 | M     | mg/kg | 0.1  | n/t |
| Benzo(b)fluoranthene                     | M     | mg/kg | 0.1  | n/t |
| Benzo(k)fluoranthene                     | M     | mg/kg | 0.1  | n/t |
| Benzo(a)pyrene                           | M     | mg/kg | 0.1  | n/t |
| Indeno(1,2,3-cd)pyrene                   | M     | mg/kg | 0.1  | n/t |
| Dibenzo(a,h)anthracene                   | M     | mg/kg | 0.1  | n/t |
| Benzo[g,h,i]perylene                     | M     | mg/kg | 0.1  | n/t |
| Total PAH(16)                            | M     | mg/kg | 0.4  | n/t |
| <b>BTEX</b>                              |       |       |      |     |
| Benzene                                  | M     | ug/kg | 10   | n/t |
| Toluene                                  | M     | ug/kg | 10   | n/t |
| Ethylbenzene                             | M     | ug/kg | 10   | n/t |
| Xylenes                                  | M     | ug/kg | 10   | n/t |
| MTBE                                     | N     | ug/kg | 10   | n/t |
| <b>TPH CWG</b>                           |       |       |      |     |
| >C5-C6 Aliphatic                         | N     | mg/kg | 0.01 | n/t |
| >C6-C8 Aliphatic                         | N     | mg/kg | 0.01 | n/t |
| >C8-C10 Aliphatic                        | N     | mg/kg | 1    | n/t |
| >C10-C12 Aliphatic                       | M     | mg/kg | 1    | n/t |
| >C12-C16 Aliphatic                       | M     | mg/kg | 1    | n/t |
| >C16-C21 Aliphatic                       | M     | mg/kg | 1    | n/t |
| >C21-C35 Aliphatic                       | M     | mg/kg | 1    | n/t |
| >C35-C40 Aliphatic                       | M     | mg/kg | 1    | n/t |
| Total aliphatic hydrocarbons (>C5 - C40) | N     | mg/kg | 1    | n/t |
| >C5-C7 Aromatic                          | N     | mg/kg | 0.01 | n/t |
| >C7-C8 Aromatic                          | N     | mg/kg | 0.01 | n/t |
| >C8-C10 Aromatic                         | N     | mg/kg | 1    | n/t |
| >C10-C12 Aromatic                        | M     | mg/kg | 1    | n/t |
| >C12-C16 Aromatic                        | M     | mg/kg | 1    | n/t |
| >C16-C21 Aromatic                        | M     | mg/kg | 1    | n/t |
| >C21-C35 Aromatic                        | M     | mg/kg | 1    | n/t |
| >C35-C40 Aromatic                        | M     | mg/kg | 1    | n/t |
| Total aromatic hydrocarbons (>C5 - C40)  | N     | mg/kg | 1    | n/t |
| Total petroleum hydrocarbons (>C5 - C40) | N     | mg/kg | 1    | n/t |

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The Environmental Laboratory Ltd. Reg. No. 3882193



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY

## Results Summary

Report No.: 21-31599, issue number 1

### Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

| Elab No | Depth (m) | Clients Reference | Description of Sample Matrix #     | Asbestos Identification | Gravimetric Analysis Total (%) | Gravimetric Analysis by ACM Type (%) | Free Fibre Analysis (%) | Total Asbestos (%) |
|---------|-----------|-------------------|------------------------------------|-------------------------|--------------------------------|--------------------------------------|-------------------------|--------------------|
| 224331  | 0.15      | HP2               | Brown soil, stones, clinker        | No asbestos detected    | n/t                            | n/t                                  | n/t                     | n/t                |
| 224335  | 0.15      | HP4               | Brown soil, stones, plant-material | No asbestos detected    | n/t                            | n/t                                  | n/t                     | n/t                |

## Method Summary

Report No.: 21-31599, issue number 1

| Parameter                             | Codes | Analysis Undertaken On | Date Tested | Method Number | Technique          |
|---------------------------------------|-------|------------------------|-------------|---------------|--------------------|
| <b>Soil</b>                           |       |                        |             |               |                    |
| Acid neutralisation capacity          | N     | Air dried sample       | 13/01/2021  |               |                    |
| Extractable cations - BS3882          | N     | Air dried sample       | 13/01/2021  |               | ICPMS              |
| Visible Contaminants                  | N     |                        | 13/01/2021  |               |                    |
| Sulphide                              | N     | As submitted sample    | 13/01/2021  | 109           | Colorimetry        |
| Hexavalent chromium                   | N     | As submitted sample    | 13/01/2021  | 110           | Colorimetry        |
| pH                                    | M     | Air dried sample       | 13/01/2021  | 113           | Electromeric       |
| Electrical conductivity of soil       | N     | Air dried sample       | 13/01/2021  | 114           | Electromeric       |
| Acid Soluble Sulphate                 | U     | Air dried sample       | 14/01/2021  | 115           | Ion Chromatography |
| Phenols in solids                     | N     | As submitted sample    | 13/01/2021  | 121           | HPLC               |
| Elemental Sulphur                     | M     | Air dried sample       | 13/01/2021  | 122           | HPLC               |
| Loss on ignition at 450 deg C         | M     | Air dried sample       | 14/01/2021  | 129           | Gravimetry         |
| PAH (GC-FID)                          | M     | As submitted sample    | 13/01/2021  | 133           | GC-FID             |
| Extr. Phos                            | N     | Air dried sample       | 13/01/2021  | 140           | ICPMS              |
| Water soluble anions                  | M     | Air dried sample       | 13/01/2021  | 172           | Ion Chromatography |
| Low range Aliphatic hydrocarbons soil | N     | As submitted sample    | 14/01/2021  | 181           | GC-MS              |
| Low range Aromatic hydrocarbons soil  | N     | As submitted sample    | 14/01/2021  | 181           | GC-MS              |
| BTEX in solids                        | M     | As submitted sample    | 14/01/2021  | 181A          | GC-MS              |
| Water soluble boron                   | N     | Air dried sample       | 13/01/2021  | 202           | Colorimetry        |
| Total cyanide                         | M     | As submitted sample    | 13/01/2021  | 204           | Colorimetry        |
| Total organic carbon/Total sulphur    | N     | Air dried sample       | 14/01/2021  | 210           | IR                 |
| TPH CWG soil by gc-gc                 | M     | As submitted sample    | 13/01/2021  | 271           |                    |
| Asbestos identification               | U     | Air dried sample       | 13/01/2021  | 280           | Microscopy         |
| Aqua regia extractable metals         | M     | Air dried sample       | 13/01/2021  | 300           | ICPMS              |
| Soil organic matter                   | U     | Air dried sample       | 13/01/2021  | BS1377:P3     | Titrimetry         |

Tests marked N are not UKAS accredited



## Report Information

Report No.: 21-31599, issue number 1

### Key

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|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U   | hold UKAS accreditation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| M   | hold MCERTS and UKAS accreditation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| N   | do not currently hold UKAS accreditation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ^   | MCERTS accreditation not applicable for sample matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| *   | UKAS accreditation not applicable for sample matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| S   | Subcontracted to approved laboratory UKAS Accredited for the test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SM  | Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NS  | Subcontracted to approved laboratory. UKAS accreditation is not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| I/S | Insufficient Sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| U/S | Unsuitable sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| n/t | Not tested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <   | means "less than"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| >   | means "greater than"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LOD | <p>LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.</p> <p>Soil sample results are expressed on an air dried basis (dried at &lt; 30°C), and are uncorrected for inert material removed.</p> <p>ELAB are unable to provide an interpretation or opinion on the content of this report.</p> <p>The results relate only to the sample received.</p> <p>PCB congener results may include any coeluting PCBs</p> <p>Uncertainty of measurement for the determinands tested are available upon request</p> <p>Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.</p> |

### Deviation Codes

- 
- |   |                                                          |
|---|----------------------------------------------------------|
| a | No date of sampling supplied                             |
| b | No time of sampling supplied (Waters Only)               |
| c | Sample not received in appropriate containers            |
| d | Sample not received in cooled condition                  |
| e | The container has been incorrectly filled                |
| f | Sample age exceeds stability time (sampling to receipt)  |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

### Sample Retention and Disposal

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All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



## **APPENDIX G**

### **Water Quality Monitoring Report, GE18103/AP01/200402, April 2020**

2<sup>nd</sup> April 2020

Our ref: GE18103/AP01/200402

Thomas Richards  
Thakeham Homes Limited  
Thakeham House  
Summers Place  
Stane Street  
Billingshurst  
West Sussex  
RH14 9GN



By Email Only

Dear Tom,

**RE: DAISYFIELDS, CORNFIELD CLOSE, LITTLEHAMPTON, POSTCODE HERE– QUARTERLY GROUNDWATER QUALITY ASSESSMENT**

#### **Background**

Geo-Environmental was instructed by Thakeham Homes to produce a Water Quality Management Plan in November 2019 (ref: GE18103-WQMP-NOV19) for the re-development of the site at Daisyfields, Cornfield Close, Littlehampton.

The water quality management plan outlined the monitoring strategy which required bi-monthly monitoring visits over the period when groundworks (foundations and piling) are being undertaken for the first six months and then quarterly monitoring thereafter. Where groundworks are to be phased, monitoring should be undertaken until all such works are completed.

This letter outlines the results of the first water quality monitoring visit which was undertaken on the 10<sup>th</sup> March 2020, from which the groundwater laboratory analysis has now been completed.

#### **Water Quality Monitoring Strategy**

Five monitoring wells have been selected to enable monitoring during the construction period (BH110, BH103, BHA, BHB & BHC), whilst the remaining wells have been decommissioned prior to the March 2020 monitoring. Table 1, overleaf lists the testing frequency and suite of analysis required for the monitoring period.

Geo-Environmental Services Ltd  
Unit 7, Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex, BN6 9QL

Environmental Consultants | Geotechnical Engineers | Site Investigations

Geo-Environmental Services Ltd incorporated in England number 3214980 VAT number 679544479

| Locations               | Frequency                                                                                               | Suite of Analysis                                                                                              | Phase                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| BH103, BH110 & BHA-BHC* | 1No. visit to determine baseline conditions if commencement date on site >6 months past WQMP issue date | General brownfield suite, speciated PAH, TPH, MNA parameters, water quality parameters and ground water level. | Pre commencement                                                                              |
| BH103, BH110 & BHA-BHC  | Bi-monthly                                                                                              |                                                                                                                | Initial 6 months                                                                              |
| BH103, BH110 & BHA-BHC  | Quarterly                                                                                               |                                                                                                                | 6-24 months                                                                                   |
| BH103, BH110 & BHA-BHC  | Six-monthly                                                                                             |                                                                                                                | >24 months (to be reviewed and agreed with LA/EA subject to results during initial 24 months) |
| BH103, BH110 & BHA-BHC  | 1No. visit post intrusive development to confirm GW conditions following works on site.                 |                                                                                                                | Post Development on intrusive groundworks element                                             |

\*Updated baseline from wells to be utilised for ongoing monitoring programme undertaken on the 5<sup>th</sup> November 2019

**Table 1 Groundwater Monitoring Schedule**

The pre commencement monitoring visit was undertaken on 5<sup>th</sup> November 2019 to record the baseline conditions and the first groundwater monitoring visit was undertaken on 10<sup>th</sup> March 2020.

### Groundwater Levels

Table 2 details the response zones within the groundwater monitoring wells selected for monitoring in line with the WQMP during the development period:

| Location | Standpipe diameter (mm) | Depth of Standpipe Response Zone (m bgl) | Level of Monitoring Well (m AOD) |
|----------|-------------------------|------------------------------------------|----------------------------------|
| BH103    | 50                      | 7 – 10                                   | 7.92                             |
| BH110    | 50                      | 10 - 15                                  | 7.83                             |
| BHA      | 50                      | 7 – 10                                   | 7.75                             |
| BHB      | 50                      | 7 – 10                                   | 7.75                             |
| BHC      | 50                      | 7 - 10                                   | 8.10                             |

**Table 2 Summary of Monitoring Well Response Zones**

Groundwater was recorded at the following levels during the pre-commencement and first monitoring visit, the results are presented in table 3.

| Position | Groundwater Depth (m bgl) & (mAOD) |      |            |      |
|----------|------------------------------------|------|------------|------|
|          | 05/11/2019                         |      | 10/03/2020 |      |
| BH103    | 5.63                               | 2.29 | 4.30       | 3.62 |
| BH110    | 5.67                               | 2.16 | 4.18       | 3.65 |
| BHA      | 5.53                               | 2.22 | 4.20       | 3.55 |
| BHB      | 5.92                               | 1.83 | 4.57       | 3.18 |
| BHC      | 6.10                               | 2.00 | 4.58       | 3.52 |

**Table 3 Summary of Groundwater Depth (within Standpipes)**

### Groundwater Monitoring Results

A Tier 1 risk assessment was undertaken and the results of the groundwater analyses from the pre-commencement visit and first monitoring visit were compared against the Environmental Quality Standards for freshwater (EQS) and the Water Supply (Water Quality) Regulations 2000 and Water Framework Directive (WFD). A summary of contaminant concentrations encountered above the respective EQS, WFD and DWS guideline values (where available) is presented within Table 4 below.

| Location     | Determinand | Concentration                                                                                                                                                                                                                 | Appropriate Standard                                       | Dated Sampled |
|--------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------|
| Barium       | BH103       | 157ug/l                                                                                                                                                                                                                       | 100ug/l (DWS)                                              | 05/11/2019    |
|              | BHB         | 181ug/l                                                                                                                                                                                                                       |                                                            |               |
|              | BH103       | 118ug/l                                                                                                                                                                                                                       |                                                            | 10/03/2020    |
|              | BHB         | 221ug/l                                                                                                                                                                                                                       |                                                            |               |
| Boron        |             |                                                                                                                                                                                                                               | 1000ug/l (WHO)                                             |               |
| Selenium     |             |                                                                                                                                                                                                                               | 10ug/l (DWS)                                               |               |
| TPH          | BH103       | C21-35 Aro – 11.1ug/l<br>TPH – 25ug/l                                                                                                                                                                                         | 10ug/l (DWS)                                               | 05/11/2019    |
|              | BH110       | TPH – 23.2ug/l<br>C12-C16 Ali 28.2ug/l                                                                                                                                                                                        | 10ug/l (DWS)<br>5.47ug/l (WSV)                             | 05/11/2019    |
|              | BHA         | TPH – 36.6ug/l<br>C21-C35 Aro – 22.7ug/l                                                                                                                                                                                      | 10ug/l (DWS)                                               | 05/11/2019    |
|              | BHB         | TPH – 239ug/l<br>C10-C12 Ali – 11.5ug/l<br>C16-C21 Ali – 28.4ug/l<br>C21-C35 Ali – 54.4ug/l<br>C10-C12 Aro – 23.5ug/l<br>C12-C16 Aro – 29.4ug/l<br>C16-C21 Aro – 16.5ug/l<br>C21-C35 Aro – 34.7ug/l<br>C12-C16 Ali – 28.2ug/l | 10ug/l (DWS)<br><br><br><br><br><br><br><br>5.47ug/l (WSV) | 05/11/2019    |
| Anthracene   | BH103       | 0.06ug/l                                                                                                                                                                                                                      | 0.02ug/l (EQS)                                             | 10/03/2020    |
|              | BHB         | 0.02ug/l                                                                                                                                                                                                                      |                                                            | 10/03/2020    |
| Fluoranthene | BHA         | 0.03ug/l                                                                                                                                                                                                                      | 0.02ug/l (EQS)                                             | 05/11/2019    |
|              | BHB         | 0.04ug/l                                                                                                                                                                                                                      |                                                            | 05/11/2019    |
|              | BHC         | 0.06ug/l                                                                                                                                                                                                                      |                                                            | 05/11/2019    |
|              | BH103       | 0.38ug/l                                                                                                                                                                                                                      |                                                            | 10/03/2020    |

|                   |       |          |                                  |            |
|-------------------|-------|----------|----------------------------------|------------|
|                   | BHB   | 0.05ug/l |                                  | 10/03/2020 |
| Benzo(a)pyrene    | BHB   | 0.01ug/l | 0.01ug/l (WHO)<br>0.03ug/l (EQS) | 05/11/2019 |
|                   | BHC   | 0.03ug/l |                                  | 05/11/2019 |
|                   | BH103 | 0.13ug/l |                                  | 10/03/2020 |
|                   | BHB   | 0.01ug/l |                                  | 10/03/2020 |
|                   | BHB   | 0.01ug/l |                                  | 10/03/2020 |
| PAH Sum of four * | BHC   | 0.11ug/l | 0.10ug/l (DWS)                   | 05/11/2019 |
|                   | BH103 | 0.52ug/l |                                  | 10/03/2020 |

\*benzo(b)fluoranthene, benzo(ghi)perylene, benzo (k) fluoranthene & indeno (1,2,3-c,d) pyrene.

- DWS - Water Supply (Water Quality) Regulations 1989.
- EQS - Environmental Quality Standards (freshwater)
- WSV – Atkins ATRISK values for groundwater

**Table 4 Contaminant exceedances within Groundwater (ug/l)**

Additional analysis was undertaken for biochemical oxygen demand, chemical oxygen demand, electrical conductivity, dissolved organic carbon and suspended solids during both visits. The results are presented in Table 5:

| Location | Biochemical Oxygen Demand (mg/l) | Chemical Oxygen Demand (mg/l) | Electrical Conductivity (uS/cm) | Dissolved Organic Carbon (mg/l) | pH (pH units) | Suspended Solids (mg/l) | Date       |
|----------|----------------------------------|-------------------------------|---------------------------------|---------------------------------|---------------|-------------------------|------------|
| BH103    | 6                                | 23                            | 1530                            | 13                              | 6.8           | 7700                    | 05/11/2019 |
|          | 6                                | 10                            | 1530                            | 6.2                             | 6.7           | 56                      | 10/03/2020 |
| BH110    | <2                               | <2                            | 1100                            | 14                              | 7.0           | 42                      | 05/11/2019 |
|          | 8                                | 12                            | 1400                            | 6.3                             | 6.7           | 8                       | 10/03/2020 |
| BHA      | <2                               | <2                            | 1180                            | 10                              | 7.0           | 1200                    | 05/11/2019 |
|          | 3                                | 7                             | 1900                            | 7.1                             | 6.6           | 410                     | 10/03/2020 |
| BHB      | 12                               | 31                            | 2460                            | 18                              | 6.9           | 2200                    | 05/11/2019 |
|          | 9                                | 33                            | 1710                            | 14                              | 6.7           | 120                     | 10/03/2020 |
| BHC      | <2                               | <2                            | 1560                            | 9.6                             | 6.9           | 1200                    | 05/11/2019 |
|          | 5                                | 5                             | 2340                            | 5.8                             | 6.7           | 14                      | 10/03/2020 |

**Table 5 Water Quality Results**

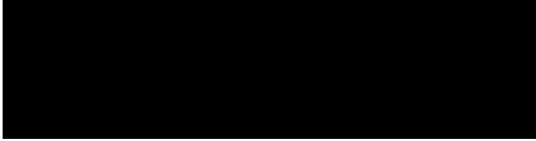
## Conclusions

Based on the chemical laboratory results, elevated concentrations have either remained at similar levels to previously recorded with a decrease in hydrocarbons and a slight increase for Barium. It is concluded that any increases have not been significant. The water results have generally improved between monitoring visits, with increases in biological and chemical oxygen demand and decreases with dissolved organic carbon.

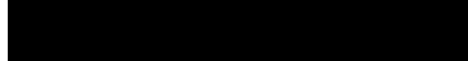
We trust we have interpreted your instructions correctly. Should you have any queries please do not hesitate to contact us.

Yours sincerely

For and on Behalf of Geo-Environmental Services Ltd



**ANTHONY POTTER BSc (Hons) MSc FGS**  
**Senior Consulting Engineer**



Encs    -    Figure 1 – Site Location Plan  
             -    Figure 2 – Monitoring Well Standpipe Location Plan  
             -    Appendix A – Groundwater Laboratory Testing Results (November 2019 and March 2020)  
             -



|                 |                                             |                  |              |                                                                                                                                                                                                                                                                                                                                             |                    |  |
|-----------------|---------------------------------------------|------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--|
| <b>Project:</b> | Cornfield Close, Littlehampton, West Sussex |                  |              | <b>Title</b>                                                                                                                                                                                                                                                                                                                                | Site Location Plan |  |
| <b>Client:</b>  | Thakeham Homes                              |                  |              | <div>Geo-Environmental Services Ltd</div> <div>Unit 7 Danworth Farm, Cuckfield Road</div> <div>Hurstpierpoint, West Sussex BN6 9GL</div> <div>+44(0)1273 832972 <a href="http://www.gesl.net">www.gesl.net</a></div> <div><br/>Geo-Environmental</div> |                    |  |
| <b>Ref No:</b>  | GE18103                                     | <b>Revision:</b> | 0            |                                                                                                                                                                                                                                                                                                                                             |                    |  |
| <b>Drawn:</b>   | LL                                          | <b>Date:</b>     | 01/10/2019   |                                                                                                                                                                                                                                                                                                                                             |                    |  |
| <b>Figure:</b>  | 1                                           | <b>Scale:</b>    | Not To Scale |                                                                                                                                                                                                                                                                                                                                             |                    |  |



|                                                             |                            |                                                                                                                                                        |                                                          |                                                                                                                   |
|-------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Project:</b> Cornfield Close, Littlehampton, West Sussex |                            | <b>Title</b>                                                                                                                                           | Monitoring Well Locations (to remain during development) |                                                                                                                   |
| <b>Client:</b> Thakeham Homes                               |                            | <b>Geo-Environmental Services Ltd</b><br>Unit 7 Danworth Farm, Cuckfield Road<br>Hurstpierpoint, West Sussex BN6 9GL<br>+44(0)1273 832972 www.gesl.net |                                                          | <br><b>Geo-Environmental</b> |
| <b>Ref No:</b> GE18103                                      | <b>Revision:</b> 0         |                                                                                                                                                        |                                                          |                                                                                                                   |
| <b>Drawn:</b> LL                                            | <b>Date:</b> 01/10/2019    |                                                                                                                                                        |                                                          |                                                                                                                   |
| <b>Figure:</b> 3                                            | <b>Scale:</b> Not To Scale |                                                                                                                                                        |                                                          |                                                                                                                   |



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Windmill Road  
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TN38 9BY

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## THE ENVIRONMENTAL LABORATORY LTD

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**Analytical Report Number:** 19-25655

**Issue:** 1

**Date of Issue:** 18/11/2019

**Contact:** Glyn Evans

**Customer Details:** GESL  
Unit 7  
Danworth Farm  
Hurstpierpoint  
West Sussex BN6 9GL

**Quotation No:** Q19-01488

**Order No:** PO2211

**Customer Reference:** GE18103

**Date Received:** 06/11/2019

**Date Approved:** 18/11/2019

**Details:** Cornfield Close, Littlehampton

**Approved by:**

Mike Varley, Technical Manager

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Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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## Sample Summary

Report No.: 19-25655, issue number 1

| Elab No. | Client's Ref. | Date Sampled | Date Scheduled | Description | Deviations |
|----------|---------------|--------------|----------------|-------------|------------|
| 188993   | BH103d 5.67   | 05/11/2019   | 07/11/2019     |             |            |
| 188994   | BH110 5.63    | 05/11/2019   | 07/11/2019     |             |            |
| 188995   | BHA 5.53      | 05/11/2019   | 07/11/2019     |             |            |
| 188996   | BHB 5.92      | 05/11/2019   | 07/11/2019     |             |            |
| 188997   | BHC 6.10      | 05/11/2019   | 07/11/2019     |             |            |

# Results Summary

Report No.: 19-25655, issue number 1

|                    |            |            |            |            |            |
|--------------------|------------|------------|------------|------------|------------|
| ELAB Reference     | 188993     | 188994     | 188995     | 188996     | 188997     |
| Customer Reference |            |            |            |            |            |
| Sample ID          |            |            |            |            |            |
| Sample Type        | WATER      | WATER      | WATER      | WATER      | WATER      |
| Sample Location    | BH103d     | BH110      | BHA        | BHB        | BHC        |
| Sample Depth (m)   | 5.67       | 5.63       | 5.53       | 5.92       | 6.10       |
| Sampling Date      | 05/11/2019 | 05/11/2019 | 05/11/2019 | 05/11/2019 | 05/11/2019 |

| Determinand                       | Codes | Units    | LOD |       |       |       |       |       |
|-----------------------------------|-------|----------|-----|-------|-------|-------|-------|-------|
| <b>Dissolved Metals</b>           |       |          |     |       |       |       |       |       |
| Arsenic                           | U     | ug/l     | 5   | < 5   | < 5   | < 5   | 11    | < 5   |
| Boron                             | N     | ug/l     | 5   | 618   | 263   | 525   | 858   | 610   |
| Barium                            | U     | ug/l     | 5   | 157   | 51    | 41    | 181   | 48    |
| Beryllium                         | U     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Cadmium                           | U     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| Chromium                          | U     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Copper                            | U     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Iron                              | U     | ug/l     | 140 | 3620  | < 140 | < 140 | 2260  | < 140 |
| Mercury                           | U     | ug/l     | 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Nickel                            | U     | ug/l     | 5   | 38    | < 5   | 6     | 24    | < 5   |
| Lead                              | U     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| Selenium                          | U     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Vanadium                          | N     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Zinc                              | U     | ug/l     | 5   | 16    | < 5   | 6     | < 5   | < 5   |
| <b>Anions</b>                     |       |          |     |       |       |       |       |       |
| Chloride                          | U     | mg/l     | 0.5 | 30.4  | 63.7  | 35.3  | 192   | 105   |
| Nitrate                           | U     | mg/l     | 0.5 | < 0.5 | 22.0  | 7.1   | < 0.5 | 103   |
| Sulphate                          | U     | mg/l     | 0.5 | 218   | 128   | 177   | 133   | 199   |
| <b>Inorganics</b>                 |       |          |     |       |       |       |       |       |
| Elemental Sulphur                 | N     | mg/l     | 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Ammoniacal Nitrogen as N          | N     | mg/l     | 0.1 | 29    | 1.6   | 8.2   | 41    | 0.2   |
| Free ammonia (NH3)                | N     | mg/l     | 0.1 | 43    | 2.4   | 12    | 61    | 0.2   |
| Hexavalent Chromium               | U     | ug/l     | 100 | < 100 | < 100 | < 100 | < 100 | < 100 |
| Sulphide                          | N     | mg/l     | 0.1 | 0.7   | < 0.1 | 0.2   | 0.2   | < 0.1 |
| <b>Miscellaneous</b>              |       |          |     |       |       |       |       |       |
| Total Alkalinity ( CaCO3)         | N     | mg/l     | 5   | 570   | 310   | 360   | 840   | 450   |
| Biochemical Oxygen Demand (5 day) | N     | mg/l     | 2   | 6     | < 2   | < 2   | 12    | < 2   |
| Chemical Oxygen Demand            | N     | mg/l     | 2   | 23    | < 2   | < 2   | 31    | < 2   |
| Electrical Conductivity           | U     | uS/cm    | 1   | 1530  | 1100  | 1180  | 2460  | 1560  |
| Dissolved organic carbon          | U     | mg/l     | 1.5 | 13    | 14    | 10    | 18    | 9.6   |
| pH                                | U     | pH units | 0.1 | 6.8   | 7.0   | 7.0   | 6.9   | 6.9   |
| Suspended Solids                  | N     | mg/l     | 0.1 | 7700  | 42    | 1200  | 2200  | 1200  |
| <b>Phenols</b>                    |       |          |     |       |       |       |       |       |
| Phenol                            | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| M,P-Cresol                        | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| O-Cresol                          | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| 3,4-Dimethylphenol                | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| 2,3-Dimethylphenol                | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| 2,3,5-trimethylphenol             | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| Total Monohydric Phenols          | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |

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The Environmental Laboratory Ltd. Reg. No. 3882193



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## Results Summary

Report No.: 19-25655, issue number 1

|                    |            |            |            |            |            |
|--------------------|------------|------------|------------|------------|------------|
| ELAB Reference     | 188993     | 188994     | 188995     | 188996     | 188997     |
| Customer Reference |            |            |            |            |            |
| Sample ID          |            |            |            |            |            |
| Sample Type        | WATER      | WATER      | WATER      | WATER      | WATER      |
| Sample Location    | BH103d     | BH110      | BHA        | BHB        | BHC        |
| Sample Depth (m)   | 5.67       | 5.63       | 5.53       | 5.92       | 6.10       |
| Sampling Date      | 05/11/2019 | 05/11/2019 | 05/11/2019 | 05/11/2019 | 05/11/2019 |

| Determinand                      | Codes | Units | LOD  |        |        |        |        |        |
|----------------------------------|-------|-------|------|--------|--------|--------|--------|--------|
| <b>Polyaromatic hydrocarbons</b> |       |       |      |        |        |        |        |        |
| Naphthalene GCMS                 | N     | ug/l  | 0.01 | 0.01   | < 0.01 | < 0.01 | 0.09   | < 0.01 |
| Acenaphthylene GCMS              | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Acenaphthene GCMS                | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.06   | < 0.01 |
| Fluorene GCMS                    | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.06   | < 0.01 |
| Phenanthrene GCMS                | N     | ug/l  | 0.01 | 0.02   | < 0.01 | 0.05   | 0.04   | 0.03   |
| Anthracene GCMS                  | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.01   | < 0.01 |
| Fluoranthene GCMS                | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | 0.03   | 0.04   | 0.06   |
| Pyrene GCMS                      | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | 0.02   | 0.03   | 0.05   |
| Benzo (a) anthracene GCMS        | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.01   | 0.03   |
| Chrysene GCMS                    | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | 0.01   | 0.01   | 0.04   |
| Benzo (b) fluoranthene GCMS      | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.01   | 0.03   |
| Benzo (k) fluoranthene GCMS      | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.03   |
| Benzo (a) pyrene GCMS            | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.01   | 0.03   |
| Indeno (1,2,3-cd) pyrene GCMS    | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.01   | 0.02   |
| Dibenzo(a,h)anthracene GCMS      | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(ghi)perylene GCMS          | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | 0.01   | 0.01   | 0.03   |
| Total PAH(16) GCMS               | N     | ug/l  | 0.01 | 0.10   | 0.05   | 0.19   | 0.42   | 0.39   |
| <b>TPH CWG</b>                   |       |       |      |        |        |        |        |        |
| >C5-C6 Aliphatic                 | N     | ug/l  | 1    | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0  |
| >C6-C8 Aliphatic                 | N     | ug/l  | 1    | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0  |
| >C8-C10 Aliphatic                | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | 5.5    | < 5.0  |
| >C10-C12 Aliphatic               | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | 11.5   | < 5.0  |
| >C12-C16 Aliphatic               | N     | ug/l  | 5    | 5.1    | 8.3    | < 5.0  | 28.2   | < 5.0  |
| >C16-C21 Aliphatic               | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | 28.4   | < 5.0  |
| >C21-C35 Aliphatic               | N     | ug/l  | 5    | < 5.0  | < 5.0  | 5.6    | 54.4   | < 5.0  |
| >C35-C40 Aliphatic               | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| Total (>C5-C40) Aliphatic        | N     | ug/l  | 5    | 5.1    | 8.3    | 5.6    | 128    | < 5.0  |
| >C5-C7 Aromatic                  | N     | ug/l  | 1    | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0  |
| >C7-C8 Aromatic                  | N     | ug/l  | 1    | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0  |
| >C8-C10 Aromatic                 | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | 6.6    | < 5.0  |
| >C10-C12 Aromatic                | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | 23.5   | < 5.0  |
| >C12-C16 Aromatic                | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | 29.4   | < 5.0  |
| >C16-C21 Aromatic                | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | 16.5   | < 5.0  |
| >C21-C35 Aromatic                | N     | ug/l  | 5    | 11.1   | 9.5    | 22.7   | 34.7   | 8.3    |
| >C35-C40 Aromatic                | N     | ug/l  | 5    | 8.8    | 5.4    | 8.3    | < 5.0  | < 5.0  |
| Total (>C5-C40) Aromatic         | N     | ug/l  | 5    | 19.9   | 15.0   | 31.0   | 111    | 8.3    |
| Total (>C5-C40) Ali/Aro          | N     | ug/l  | 5    | 25.0   | 23.2   | 36.6   | 239    | 8.3    |
| <b>PCB (ICES 7 congeners)</b>    |       |       |      |        |        |        |        |        |
| PCB 28                           | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB 52                           | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB 101                          | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB118                           | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB 153                          | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB 138                          | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB 180                          | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB (7 Congeners)                | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |

Tests marked N are not UKAS accredited.

The Environmental Laboratory Ltd. Reg. No. 3882193

## Results Summary

Report No.: 19-25655, issue number 1

| ELAB Reference               |       |       |     | 188993     | 188994     | 188995     | 188996     | 188997     |
|------------------------------|-------|-------|-----|------------|------------|------------|------------|------------|
| Customer Reference           |       |       |     |            |            |            |            |            |
| Sample ID                    |       |       |     |            |            |            |            |            |
| Sample Type                  |       |       |     | WATER      | WATER      | WATER      | WATER      | WATER      |
| Sample Location              |       |       |     | BH103d     | BH110      | BHA        | BHB        | BHC        |
| Sample Depth (m)             |       |       |     | 5.67       | 5.63       | 5.53       | 5.92       | 6.10       |
| Sampling Date                |       |       |     | 05/11/2019 | 05/11/2019 | 05/11/2019 | 05/11/2019 | 05/11/2019 |
| Determinand                  | Codes | Units | LOD |            |            |            |            |            |
| <b>VOC</b>                   |       |       |     |            |            |            |            |            |
| MTBE                         | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Heptane                      | N     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Octane                       | N     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Nonane                       | N     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Benzene                      | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Toluene                      | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Ethylbenzene                 | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| m+p-xylene                   | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| o-xylene                     | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| cis-1,2-dichloroethene       | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,1-Dichloroethane           | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Chloroform                   | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Tetrachloromethane           | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,1,1-Trichloroethane        | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Trichloroethylene            | N     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Tetrachloroethylene          | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,1,1,2-Tetrachloroethane    | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,1,2,2-Tetrachloroethane    | N     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Chlorobenzene                | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Bromobenzene                 | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Bromodichloromethane         | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Methylethylbenzene           | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,1-Dichloro-1-propene       | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Trans-1,2-dichloroethylene   | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 2,2-Dichloropropane          | N     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Bromochloromethane           | N     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,2-Dichloroethane           | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Dibromomethane               | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,2-Dichloropropane          | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| cis-1,3-Dichloro-1-propene   | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| trans-1,3-Dichloro-1-propene | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,1,2-Trichloroethane        | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Dibromochloromethane         | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,3-Dichloropropane          | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Dibromoethane                | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Styrene                      | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Propylbenzene                | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 2-Chlorotoluene              | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,2,4-Trimethylbenzene       | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 4-Chlorotoluene              | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| t-butylbenzene               | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,3,5-Trimethylbenzene       | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1-methylpropylbenzene        | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| p-cymene                     | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,3-Dichlorobenzene          | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Butylbenzene                 | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,2-Dibromo-3-chloropropane  | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Hexachlorobutadiene          | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,2,3-Trichlorobenzene       | N     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Naphthalene                  | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,2,4-Trichlorobenzene       | N     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,4-Dichlorobenzene          | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| 1,2-Dichlorobenzene          | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |
| Bromoform                    | U     | ug/l  | 1   | < 1        | < 1        | < 1        | < 1        | < 1        |



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# Results Summary

Report No.: 19-25655, issue number 1

|                    |            |            |            |            |            |
|--------------------|------------|------------|------------|------------|------------|
| ELAB Reference     | 188993     | 188994     | 188995     | 188996     | 188997     |
| Customer Reference |            |            |            |            |            |
| Sample ID          |            |            |            |            |            |
| Sample Type        | WATER      | WATER      | WATER      | WATER      | WATER      |
| Sample Location    | BH103d     | BH110      | BHA        | BHB        | BHC        |
| Sample Depth (m)   | 5.67       | 5.63       | 5.53       | 5.92       | 6.10       |
| Sampling Date      | 05/11/2019 | 05/11/2019 | 05/11/2019 | 05/11/2019 | 05/11/2019 |

| Determinand                 | Codes | Units | LOD  |        |        |        |        |        |
|-----------------------------|-------|-------|------|--------|--------|--------|--------|--------|
| <b>SVOC</b>                 |       |       |      |        |        |        |        |        |
| Phenol                      | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Aniline                     | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bis(2-chloroethyl)ether     | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2-Chlorophenol              | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,3-Dichlorobenzene         | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,4-Dichlorobenzene         | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Benzyl Alcohol              | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,2-Dichlorobenzene         | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2-Methylphenol              | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bis(2-chloroisopropyl)ether | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 3 and 4-methylphenol        | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| N-Nitrosodi-n-propylamine   | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Hexachloroethane            | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Nitrobenzene                | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Isophorone                  | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2-Nitrophenol               | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2,4-Dimethylphenol          | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bis(2-chloroethoxy)methane  | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2,4-Dichlorophenol          | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,3,5-Trichlorobenzene      | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Naphthalene                 | N     | ug/l  | 0.01 | 0.02   | 0.02   | 0.02   | 0.05   | 0.01   |
| 3-Chloroaniline             | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Hexachloro-1,3-butadiene    | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 4-Chloro-3-methylphenol     | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2-Methylnaphthalene         | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1-Methylnaphthalene         | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Hexachlorocyclopentadiene   | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2,4,6-Trichlorophenol       | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2,4,5-Trichlorophenol       | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1-Chloronaphthalene         | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2-Nitroaniline              | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1,4-Dinitrobenzene          | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dimethyl phthalate          | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1-3-dinitrobenzene          | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2-6-dinitrotoluene          | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Acenaphthylene              | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.01   |
| 1,2-Dinitrobenzene          | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 3-Nitroaniline              | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Acenaphthene                | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | 0.02   | 0.05   | < 0.01 |
| 4-nitrophenol               | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dibenzofuran                | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2,3,5,6-Tetrachlorophenol   | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 2,3,4,6-Tetrachlorophenol   | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Diethyl phthalate           | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1-chloro-4-phenoxybenzene   | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Fluorene                    | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.05   | < 0.01 |
| 4-Nitroaniline              | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dinitro-o-cresol            | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Diphenylamine               | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Azobenzene                  | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| 1-bromo-4-phenoxybenzene    | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Hexachlorobenzene           | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Pentachlorophenol           | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |

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The Environmental Laboratory Ltd. Reg. No. 3882193



2683

## Results Summary

Report No.: 19-25655, issue number 1

|                    |            |            |            |            |            |
|--------------------|------------|------------|------------|------------|------------|
| ELAB Reference     | 188993     | 188994     | 188995     | 188996     | 188997     |
| Customer Reference |            |            |            |            |            |
| Sample ID          |            |            |            |            |            |
| Sample Type        | WATER      | WATER      | WATER      | WATER      | WATER      |
| Sample Location    | BH103d     | BH110      | BHA        | BHB        | BHC        |
| Sample Depth (m)   | 5.67       | 5.63       | 5.53       | 5.92       | 6.10       |
| Sampling Date      | 05/11/2019 | 05/11/2019 | 05/11/2019 | 05/11/2019 | 05/11/2019 |

| Determinand                | Codes | Units | LOD  |        |        |        |        |        |
|----------------------------|-------|-------|------|--------|--------|--------|--------|--------|
| <b>SVOC</b>                |       |       |      |        |        |        |        |        |
| Phenanthrene               | N     | ug/l  | 0.01 | 0.02   | 0.01   | 0.04   | 0.04   | 0.03   |
| Anthracene                 | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.02   | < 0.01 |
| Carbazole                  | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Dibutyl phthalate          | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Fluoranthene               | N     | ug/l  | 0.01 | 0.01   | < 0.01 | 0.03   | 0.03   | 0.05   |
| Pyrene                     | N     | ug/l  | 0.01 | 0.01   | < 0.01 | 0.02   | 0.03   | 0.05   |
| Butyl benzyl phthalate     | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Bis-2-ethylhexyladipate    | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Butyl benzyl phthalate     | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Benzo(a)anthracene         | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.03   |
| Chrysene                   | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | 0.01   | < 0.01 | 0.03   |
| Bis(2-ethylhexyl)phthalate | N     | ug/l  | 1    | < 1.00 | < 1.00 | < 1.00 | < 1.00 | < 1.00 |
| Benzo(b)fluoranthene       | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.02   |
| Benzo(k)fluoranthene       | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.02   |
| Benzo(a)pyrene             | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.01   |
| Indeno(1,2,3-CD)pyrene     | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Dibenz(ah)anthracene       | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Benzo(ghi)perylene         | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.01   | 0.01   |

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## Method Summary

Report No.: 19-25655, issue number 1

| Parameter                                | Codes | Analysis Undertaken On | Date Tested | Method Number | Technique          |
|------------------------------------------|-------|------------------------|-------------|---------------|--------------------|
| <b>Water</b>                             |       |                        |             |               |                    |
| Aliphatic/Aromatic hydrocarbons in water | N     |                        | 15/11/2019  |               | GC-FID             |
| Aromatic hydrocarbons in water           | N     |                        | 15/11/2019  |               | GC-FID             |
| Phenols in waters                        | N     |                        | 08/11/2019  |               | HPLC               |
| Alkalinity in waters                     | N     |                        | 08/11/2019  | 100           | Titrimetry         |
| Dissolved metals by ICP in waters        | U     |                        | 08/11/2019  | 101           | ICPMS              |
| Dissolved organic carbon                 | U     |                        | 12/11/2019  | 102           | IR                 |
| pH of waters                             | U     |                        | 08/11/2019  | 113           | Electromeric       |
| Chromium Hexavalent in waters            | U     |                        | 18/11/2019  | 123           | Colorimetry        |
| Sulphide in water                        | N     |                        | 08/11/2019  | 134           | Colorimetry        |
| PAHs and/or PCBs in waters               | N     |                        | 14/11/2019  | 135           | GC-MS              |
| Electrical conductivity of water         | U     |                        | 08/11/2019  | 136           | Electromeric       |
| BOD                                      | N     |                        | 12/11/2019  | 142           | 5 Day              |
| COD (Chemical Oxygen Demand in waters)   | N     |                        | 08/11/2019  | 143           | Colorimetry        |
| Ammonia in waters                        | N     |                        | 11/11/2019  | 151           | Colorimetry        |
| Suspended Solids in waters               | N     |                        | 13/11/2019  | 155           | Gravimetry         |
| SVOC in waters                           | N     |                        | 14/11/2019  | 167           | GC-MS              |
| PAHs and/or PCBs in waters               | N     |                        | 14/11/2019  | 170           | GC-MS              |
| Low range Aliphatic hydrocarbons water   | N     |                        | 08/11/2019  | 200           | GC-MS              |
| Low range Aromatic hydrocarbons water    | N     |                        | 08/11/2019  | 200           | GC-MS              |
| VOC in waters                            | U     |                        | 07/11/2019  | 200           | GC-MS              |
| Elemental Sulphur by HPLC in waters      | N     |                        | 15/11/2019  | 206           | HPLC               |
| Aliphatic hydrocarbons in water          | N     |                        | 14/11/2019  | 215           | GC-FID             |
| Aromatic hydrocarbons in water           | N     |                        | 14/11/2019  | 215           | GC-FID             |
| Anions                                   | U     |                        | 08/11/2019  | 270           | Ion Chromatography |

Tests marked N are not UKAS accredited



## Report Information

Report No.: 19-25655, issue number 1

### Key

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|     |                                                                             |
|-----|-----------------------------------------------------------------------------|
| U   | hold UKAS accreditation                                                     |
| M   | hold MCERTS and UKAS accreditation                                          |
| N   | do not currently hold UKAS accreditation                                    |
| ^   | MCERTS accreditation not applicable for sample matrix                       |
| *   | UKAS accreditation not applicable for sample matrix                         |
| S   | Subcontracted to approved laboratory UKAS Accredited for the test           |
| SM  | Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test    |
| NS  | Subcontracted to approved laboratory. UKAS accreditation is not applicable. |
| I/S | Insufficient Sample                                                         |
| U/S | Unsuitable sample                                                           |
| n/t | Not tested                                                                  |
| <   | means "less than"                                                           |
| >   | means "greater than"                                                        |

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

### Deviation Codes

- 
- |   |                                                          |
|---|----------------------------------------------------------|
| a | No date of sampling supplied                             |
| b | No time of sampling supplied (Waters Only)               |
| c | Sample not received in appropriate containers            |
| d | Sample not received in cooled condition                  |
| e | The container has been incorrectly filled                |
| f | Sample age exceeds stability time (sampling to receipt)  |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

### Sample Retention and Disposal

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All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



2683

Unit A2  
Windmill Road  
Ponswood Industrial Estate  
St Leonards on Sea  
East Sussex  
TN38 9BY



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## THE ENVIRONMENTAL LABORATORY LTD

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**Analytical Report Number:** 20-27456

**Issue:** 3. Replaces Analytical Report number 20-27456; issue no.2

**Date of Issue:** 01/04/2020

**Contact:** Glyn Evans

**Customer Details:** GESL  
Unit 7  
Danworth Farm  
Hurstpierpoint  
West Sussex BN6 9GL

**Quotation No:** Q19-01488

**Order No:** PO2576

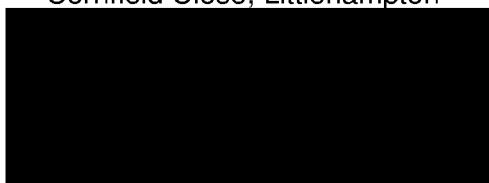
**Customer Reference:** GE18103

**Date Received:** 12/03/2020

**Date Approved:** 01/04/2020

**Details:** Cornfield Close, Littlehampton

**Approved by:**



Mike Varley, Technical Manager

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Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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## Sample Summary

Report No.: 20-27456, issue number 3

| Elab No. | Client's Ref. | Date Sampled | Date Scheduled | Description | Deviations |
|----------|---------------|--------------|----------------|-------------|------------|
| 199614   | BH110 4.30    | 10/03/2020   | 12/03/2020     |             |            |
| 199615   | BH103 4.18    | 10/03/2020   | 12/03/2020     |             |            |
| 199616   | BHA 4.20      | 10/03/2020   | 12/03/2020     |             |            |
| 199617   | BHB 4.57      | 10/03/2020   | 12/03/2020     |             |            |
| 199618   | BHC 4.58      | 10/03/2020   | 12/03/2020     |             |            |

# Results Summary

Report No.: 20-27456, issue number 3

|                    |            |            |            |            |            |
|--------------------|------------|------------|------------|------------|------------|
| ELAB Reference     | 199614     | 199615     | 199616     | 199617     | 199618     |
| Customer Reference |            |            |            |            |            |
| Sample ID          |            |            |            |            |            |
| Sample Type        | WATER      | WATER      | WATER      | WATER      | WATER      |
| Sample Location    | BH110      | BH103      | BHA        | BHB        | BHC        |
| Sample Depth (m)   | 4.30       | 4.18       | 4.20       | 4.57       | 4.58       |
| Sampling Date      | 10/03/2020 | 10/03/2020 | 10/03/2020 | 10/03/2020 | 10/03/2020 |

| Determinand                       | Codes | Units    | LOD |       |       |       |       |       |
|-----------------------------------|-------|----------|-----|-------|-------|-------|-------|-------|
| <b>Dissolved Metals</b>           |       |          |     |       |       |       |       |       |
| Arsenic                           | U     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Boron                             | N     | ug/l     | 5   | 491   | 601   | 902   | 711   | 798   |
| Barium                            | U     | ug/l     | 5   | 70    | 118   | 58    | 221   | 67    |
| Beryllium                         | U     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Cadmium                           | U     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| Chromium                          | U     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Copper                            | U     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Iron                              | U     | ug/l     | 140 | < 140 | < 140 | < 140 | < 140 | < 140 |
| Mercury                           | U     | ug/l     | 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Nickel                            | U     | ug/l     | 5   | 8     | 33    | 16    | 43    | < 5   |
| Lead                              | U     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| Selenium                          | U     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Vanadium                          | N     | ug/l     | 5   | < 5   | < 5   | < 5   | < 5   | < 5   |
| Zinc                              | U     | ug/l     | 5   | < 5   | 13    | 9     | < 5   | < 5   |
| <b>Anions</b>                     |       |          |     |       |       |       |       |       |
| Chloride                          | U     | mg/l     | 0.5 | 50.0  | 23.5  | 36.9  | 34.5  | 179   |
| Nitrate                           | U     | mg/l     | 0.5 | 9.1   | 5.3   | 49.5  | < 0.5 | 314   |
| Sulphate                          | U     | mg/l     | 0.5 | 166   | 180   | 384   | 46.5  | 345   |
| <b>Inorganics</b>                 |       |          |     |       |       |       |       |       |
| Elemental Sulphur                 | N     | mg/l     | 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 | < 0.1 |
| Ammoniacal Nitrogen as N          | N     | mg/l     | 0.1 | 12    | 29    | 8.2   | 82    | < 0.1 |
| Free ammonia (NH3)                | N     | mg/l     | 0.1 | 18    | 43    | 12    | 120   | < 0.1 |
| Hexavalent Chromium               | U     | ug/l     | 100 | < 100 | < 100 | < 100 | < 100 | < 100 |
| Sulphide                          | N     | mg/l     | 0.1 | 0.1   | 0.1   | 0.2   | < 0.1 | < 0.1 |
| <b>Miscellaneous</b>              |       |          |     |       |       |       |       |       |
| Total Alkalinity ( CaCO3)         | N     | mg/l     | 5   | 510   | 510   | 490   | 760   | 380   |
| Biochemical Oxygen Demand (5 day) | N     | mg/l     | 2   | 8     | 6     | 3     | 9     | 5     |
| Chemical Oxygen Demand            | N     | mg/l     | 2   | 12    | 10    | 7     | 33    | 5     |
| Electrical Conductivity           | U     | uS/cm    | 50  | 1400  | 1530  | 1900  | 1710  | 2340  |
| Dissolved organic carbon          | N     | mg/l     | 1.5 | 6.3   | 6.2   | 7.1   | 14    | 5.8   |
| Dissolved Oxygen                  | N     | mg/l     | 0.1 | 8.3   | 7.6   | 7.7   | 6.7   | 7.4   |
| pH                                | U     | pH units | 0.1 | 6.7   | 6.7   | 6.6   | 6.7   | 6.7   |
| Suspended Solids                  | N     | mg/l     | 0.1 | 8.0   | 56    | 410   | 120   | 14    |
| <b>Phenols</b>                    |       |          |     |       |       |       |       |       |
| Phenol                            | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| M,P-Cresol                        | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| O-Cresol                          | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| 3,4-Dimethylphenol                | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| 2,3-Dimethylphenol                | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| 2,3,5-trimethylphenol             | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |
| Total Monohydric Phenols          | N     | ug/l     | 1   | < 1   | < 1   | < 1   | < 1   | < 1   |

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2683

## Results Summary

Report No.: 20-27456, issue number 3

|                    |            |            |            |            |            |
|--------------------|------------|------------|------------|------------|------------|
| ELAB Reference     | 199614     | 199615     | 199616     | 199617     | 199618     |
| Customer Reference |            |            |            |            |            |
| Sample ID          |            |            |            |            |            |
| Sample Type        | WATER      | WATER      | WATER      | WATER      | WATER      |
| Sample Location    | BH110      | BH103      | BHA        | BHB        | BHC        |
| Sample Depth (m)   | 4.30       | 4.18       | 4.20       | 4.57       | 4.58       |
| Sampling Date      | 10/03/2020 | 10/03/2020 | 10/03/2020 | 10/03/2020 | 10/03/2020 |

| Determinand                      | Codes | Units | LOD  |        |        |        |        |        |
|----------------------------------|-------|-------|------|--------|--------|--------|--------|--------|
| <b>Polyaromatic hydrocarbons</b> |       |       |      |        |        |        |        |        |
| Naphthalene GCMS                 | N     | ug/l  | 0.01 | 0.02   | 0.01   | 0.01   | 0.02   | 0.01   |
| Acenaphthylene GCMS              | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Acenaphthene GCMS                | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Fluorene GCMS                    | N     | ug/l  | 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Phenanthrene GCMS                | N     | ug/l  | 0.01 | < 0.01 | 0.14   | 0.01   | 0.03   | < 0.01 |
| Anthracene GCMS                  | N     | ug/l  | 0.01 | < 0.01 | 0.06   | < 0.01 | 0.02   | < 0.01 |
| Fluoranthene GCMS                | N     | ug/l  | 0.01 | < 0.01 | 0.38   | 0.01   | 0.05   | < 0.01 |
| Pyrene GCMS                      | N     | ug/l  | 0.01 | < 0.01 | 0.35   | 0.01   | 0.04   | < 0.01 |
| Benzo (a) anthracene GCMS        | N     | ug/l  | 0.01 | < 0.01 | 0.30   | < 0.01 | 0.03   | < 0.01 |
| Chrysene GCMS                    | N     | ug/l  | 0.01 | < 0.01 | 0.17   | < 0.01 | 0.02   | < 0.01 |
| Benzo (b) fluoranthene GCMS      | N     | ug/l  | 0.01 | < 0.01 | 0.15   | < 0.01 | 0.01   | < 0.01 |
| Benzo (k) fluoranthene GCMS      | N     | ug/l  | 0.01 | < 0.01 | 0.12   | < 0.01 | 0.02   | < 0.01 |
| Benzo (a) pyrene GCMS            | N     | ug/l  | 0.01 | < 0.01 | 0.13   | < 0.01 | 0.01   | < 0.01 |
| Indeno (1,2,3-cd) pyrene GCMS    | N     | ug/l  | 0.01 | < 0.01 | 0.17   | < 0.01 | 0.01   | < 0.01 |
| Dibenzo(a,h)anthracene GCMS      | N     | ug/l  | 0.01 | < 0.01 | 0.25   | < 0.01 | < 0.01 | < 0.01 |
| Benzo(ghi)perylene GCMS          | N     | ug/l  | 0.01 | < 0.01 | 0.08   | < 0.01 | < 0.01 | < 0.01 |
| Total PAH(16) GCMS               | N     | ug/l  | 0.01 | 0.05   | 2.34   | 0.07   | 0.28   | 0.04   |
| <b>TPH CWG</b>                   |       |       |      |        |        |        |        |        |
| >C5-C6 Aliphatic                 | N     | ug/l  | 1    | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0  |
| >C6-C8 Aliphatic                 | N     | ug/l  | 1    | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0  |
| >C8-C10 Aliphatic                | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| >C10-C12 Aliphatic               | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| >C12-C16 Aliphatic               | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| >C16-C21 Aliphatic               | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| >C21-C35 Aliphatic               | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| >C35-C40 Aliphatic               | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| Total (>C5-C40) Aliphatic        | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| >C5-C7 Aromatic                  | N     | ug/l  | 1    | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0  |
| >C7-C8 Aromatic                  | N     | ug/l  | 1    | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0  |
| >C8-C10 Aromatic                 | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| >C10-C12 Aromatic                | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| >C12-C16 Aromatic                | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | 6.8    | < 5.0  |
| >C16-C21 Aromatic                | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| >C21-C35 Aromatic                | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| >C35-C40 Aromatic                | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | < 5.0  | < 5.0  |
| Total (>C5-C40) Aromatic         | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | 6.8    | < 5.0  |
| Total (>C5-C40) Ali/Aro          | N     | ug/l  | 5    | < 5.0  | < 5.0  | < 5.0  | 6.8    | < 5.0  |
| <b>PCB (ICES 7 congeners)</b>    |       |       |      |        |        |        |        |        |
| PCB 28                           | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB 52                           | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB 101                          | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB118                           | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB 153                          | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB 138                          | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB 180                          | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |
| PCB (7 Congeners)                | N     | ug/l  | 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  | < 0.1  |

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The Environmental Laboratory Ltd. Reg. No. 3882193

## Results Summary

Report No.: 20-27456, issue number 3

|                              |            |            |            |            |            |
|------------------------------|------------|------------|------------|------------|------------|
| ELAB Reference               | 199614     | 199615     | 199616     | 199617     | 199618     |
| Customer Reference           |            |            |            |            |            |
| Sample ID                    |            |            |            |            |            |
| Sample Type                  | WATER      | WATER      | WATER      | WATER      | WATER      |
| Sample Location              | BH110      | BH103      | BHA        | BHB        | BHC        |
| Sample Depth (m)             | 4.30       | 4.18       | 4.20       | 4.57       | 4.58       |
| Sampling Date                | 10/03/2020 | 10/03/2020 | 10/03/2020 | 10/03/2020 | 10/03/2020 |
| Determinand                  | Codes      | Units      | LOD        |            |            |
| <b>VOC</b>                   |            |            |            |            |            |
| MTBE                         | N          | ug/l       | 1          | < 1        | < 1        |
| Heptane                      | N          | ug/l       | 1          | < 1        | < 1        |
| Octane                       | N          | ug/l       | 1          | < 1        | < 1        |
| Nonane                       | N          | ug/l       | 1          | < 1        | < 1        |
| Benzene                      | N          | ug/l       | 1          | < 1        | < 1        |
| Toluene                      | N          | ug/l       | 1          | < 1        | < 1        |
| Ethylbenzene                 | N          | ug/l       | 1          | < 1        | < 1        |
| m+p-xylene                   | N          | ug/l       | 1          | < 1        | < 1        |
| o-xylene                     | N          | ug/l       | 1          | < 1        | < 1        |
| cis-1,2-dichloroethene       | N          | ug/l       | 1          | < 1        | < 1        |
| 1,1-Dichloroethane           | N          | ug/l       | 1          | < 1        | < 1        |
| Chloroform                   | N          | ug/l       | 1          | < 1        | < 1        |
| Tetrachloromethane           | N          | ug/l       | 1          | < 1        | < 1        |
| 1,1,1-Trichloroethane        | N          | ug/l       | 1          | < 1        | < 1        |
| Trichloroethylene            | N          | ug/l       | 1          | < 1        | < 1        |
| Tetrachloroethylene          | N          | ug/l       | 1          | < 1        | < 1        |
| 1,1,1,2-Tetrachloroethane    | N          | ug/l       | 1          | < 1        | < 1        |
| 1,1,2,2-Tetrachloroethane    | N          | ug/l       | 1          | < 1        | < 1        |
| Chlorobenzene                | N          | ug/l       | 1          | < 1        | < 1        |
| Bromobenzene                 | N          | ug/l       | 1          | < 1        | < 1        |
| Bromodichloromethane         | N          | ug/l       | 1          | < 1        | < 1        |
| Methylethylbenzene           | N          | ug/l       | 1          | < 1        | < 1        |
| 1,1-Dichloro-1-propene       | N          | ug/l       | 1          | < 1        | < 1        |
| Trans-1,2-dichloroethylene   | N          | ug/l       | 1          | < 1        | < 1        |
| 2,2-Dichloropropane          | N          | ug/l       | 1          | < 1        | < 1        |
| Bromochloromethane           | N          | ug/l       | 1          | < 1        | < 1        |
| 1,2-Dichloroethane           | N          | ug/l       | 1          | < 1        | < 1        |
| Dibromomethane               | N          | ug/l       | 1          | < 1        | < 1        |
| 1,2-Dichloropropane          | N          | ug/l       | 1          | < 1        | < 1        |
| cis-1,3-Dichloro-1-propene   | N          | ug/l       | 1          | < 1        | < 1        |
| trans-1,3-Dichloro-1-propene | N          | ug/l       | 1          | < 1        | < 1        |
| 1,1,2-Trichloroethane        | N          | ug/l       | 1          | < 1        | < 1        |
| Dibromochloromethane         | N          | ug/l       | 1          | < 1        | < 1        |
| 1,3-Dichloropropane          | N          | ug/l       | 1          | < 1        | < 1        |
| Dibromoethane                | N          | ug/l       | 1          | < 1        | < 1        |
| Styrene                      | N          | ug/l       | 1          | < 1        | < 1        |
| Propylbenzene                | N          | ug/l       | 1          | < 1        | < 1        |
| 2-Chlorotoluene              | N          | ug/l       | 1          | < 1        | < 1        |
| 1,2,4-Trimethylbenzene       | N          | ug/l       | 1          | < 1        | < 1        |
| 4-Chlorotoluene              | N          | ug/l       | 1          | < 1        | < 1        |
| t-butylbenzene               | N          | ug/l       | 1          | < 1        | < 1        |
| 1,3,5-Trimethylbenzene       | N          | ug/l       | 1          | < 1        | < 1        |
| 1-methylpropylbenzene        | N          | ug/l       | 1          | < 1        | < 1        |
| p-cymene                     | N          | ug/l       | 1          | < 1        | < 1        |
| 1,3-Dichlorobenzene          | N          | ug/l       | 1          | < 1        | < 1        |
| Butylbenzene                 | N          | ug/l       | 1          | < 1        | < 1        |
| 1,2-Dibromo-3-chloropropane  | N          | ug/l       | 1          | < 1        | < 1        |
| Hexachlorobutadiene          | N          | ug/l       | 1          | < 1        | < 1        |
| 1,2,3-Trichlorobenzene       | N          | ug/l       | 1          | < 1        | < 1        |
| Naphthalene                  | N          | ug/l       | 1          | < 1        | < 1        |
| 1,2,4-Trichlorobenzene       | N          | ug/l       | 1          | < 1        | < 1        |
| 1,4-Dichlorobenzene          | N          | ug/l       | 1          | < 1        | < 1        |
| 1,2-Dichlorobenzene          | N          | ug/l       | 1          | < 1        | < 1        |
| Bromoform                    | N          | ug/l       | 1          | < 1        | < 1        |

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# Results Summary

Report No.: 20-27456, issue number 3

|                             |   |       |       |                    |            |            |            |            |            |
|-----------------------------|---|-------|-------|--------------------|------------|------------|------------|------------|------------|
|                             |   |       |       | ELAB Reference     | 199614     | 199615     | 199616     | 199617     | 199618     |
|                             |   |       |       | Customer Reference |            |            |            |            |            |
|                             |   |       |       | Sample ID          |            |            |            |            |            |
|                             |   |       |       | Sample Type        | WATER      | WATER      | WATER      | WATER      | WATER      |
|                             |   |       |       | Sample Location    | BH110      | BH103      | BHA        | BHB        | BHC        |
|                             |   |       |       | Sample Depth (m)   | 4.30       | 4.18       | 4.20       | 4.57       | 4.58       |
|                             |   |       |       | Sampling Date      | 10/03/2020 | 10/03/2020 | 10/03/2020 | 10/03/2020 | 10/03/2020 |
| Determinand                 |   | Codes | Units | LOD                |            |            |            |            |            |
| SVOC                        |   |       |       |                    |            |            |            |            |            |
| Phenol                      | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Aniline                     | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Bis(2-chloroethyl)ether     | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2-Chlorophenol              | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 1,3-Dichlorobenzene         | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 1,4-Dichlorobenzene         | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Benzyl Alcohol              | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 1,2-Dichlorobenzene         | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2-Methylphenol              | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Bis(2-chloroisopropyl)ether | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 3 and 4-methylphenol        | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| N-Nitrosodi-n-propylamine   | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Hexachloroethane            | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Nitrobenzene                | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Isophorone                  | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2-Nitrophenol               | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2,4-Dimethylphenol          | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Bis(2-chloroethoxy)methane  | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2,4-Dichlorophenol          | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 1,3,5-Trichlorobenzene      | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Naphthalene                 | N | ug/l  | 0.01  | 0.02               | 0.02       | 0.01       | 0.02       | 0.01       | 0.01       |
| 3-Chloroaniline             | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Hexachloro-1,3-butadiene    | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 4-Chloro-3-methylphenol     | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2-Methynaphthalene          | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 1-Methylnaphthalene         | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Hexachlorocyclopentadiene   | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2,4,6-Trichlorophenol       | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2,4,5-Trichlorophenol       | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 1-Chloronaphthalene         | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2-Nitroaniline              | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 1,4-Dinitrobenzene          | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Dimethyl phthalate          | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 1-3-dinitrobenzene          | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2-6-dinitrotoluene          | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Acenaphthylene              | N | ug/l  | 0.01  | < 0.01             | < 0.01     | < 0.01     | < 0.01     | < 0.01     | < 0.01     |
| 1,2-Dinitrobenzene          | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 3-Nitroaniline              | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Acenaphthene                | N | ug/l  | 0.01  | < 0.01             | < 0.01     | < 0.01     | < 0.01     | < 0.01     | < 0.01     |
| 4-nitrophenol               | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Dibenzofuran                | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2,3,5,6-Tetrachlorophenol   | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 2,3,4,6-Tetrachlorophenol   | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Diethyl phthalate           | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 1-chloro-4-phenoxybenzene   | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Fluorene                    | N | ug/l  | 0.01  | < 0.01             | < 0.01     | < 0.01     | < 0.01     | < 0.01     | < 0.01     |
| 4-Nitroaniline              | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Dinitro-o-cresol            | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Diphenylamine               | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Azobenzene                  | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| 1-bromo-4-phenoxybenzene    | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Hexachlorobenzene           | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |
| Pentachlorophenol           | N | ug/l  | 1     | < 1.00             | < 1.00     | < 1.00     | < 1.00     | < 1.00     | < 1.00     |

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## Results Summary

Report No.: 20-27456, issue number 3

Report Ref: 10-17-199, Issue Number: 0

|                            |            |            |            |            |            |        |        |        |
|----------------------------|------------|------------|------------|------------|------------|--------|--------|--------|
| ELAB Reference             | 199614     | 199615     | 199616     | 199617     | 199618     |        |        |        |
| Customer Reference         |            |            |            |            |            |        |        |        |
| Sample ID                  |            |            |            |            |            |        |        |        |
| Sample Type                | WATER      | WATER      | WATER      | WATER      | WATER      |        |        |        |
| Sample Location            | BH110      | BH103      | BHA        | BHB        | BHC        |        |        |        |
| Sample Depth (m)           | 4.30       | 4.18       | 4.20       | 4.57       | 4.58       |        |        |        |
| Sampling Date              | 10/03/2020 | 10/03/2020 | 10/03/2020 | 10/03/2020 | 10/03/2020 |        |        |        |
| Determinand                | Codes      | Units      | LOD        |            |            |        |        |        |
| SVOC                       |            |            |            |            |            |        |        |        |
| Phenanthrene               | N          | ug/l       | 0.01       | < 0.01     | 0.05       | < 0.01 | 0.01   | < 0.01 |
| Anthracene                 | N          | ug/l       | 0.01       | < 0.01     | 0.03       | < 0.01 | < 0.01 | < 0.01 |
| Carbazole                  | N          | ug/l       | 1          | < 1.00     | < 1.00     | < 1.00 | < 1.00 | < 1.00 |
| Dibutyl phthalate          | N          | ug/l       | 1          | < 1.00     | < 1.00     | < 1.00 | < 1.00 | < 1.00 |
| Fluoranthene               | N          | ug/l       | 0.01       | < 0.01     | 0.33       | 0.01   | 0.05   | < 0.01 |
| Pyrene                     | N          | ug/l       | 0.01       | < 0.01     | 0.32       | < 0.01 | 0.04   | < 0.01 |
| Butyl benzyl phthalate     | N          | ug/l       | 1          | < 1.00     | < 1.00     | < 1.00 | < 1.00 | < 1.00 |
| Bis-2-ethylhexyladipate    | N          | ug/l       | 1          | < 1.00     | < 1.00     | < 1.00 | < 1.00 | < 1.00 |
| Butyl benzyl phthalate     | N          | ug/l       | 1          | < 1.00     | < 1.00     | < 1.00 | < 1.00 | < 1.00 |
| Benzo(a)anthracene         | N          | ug/l       | 0.01       | < 0.01     | 0.13       | < 0.01 | 0.01   | < 0.01 |
| Chrysene                   | N          | ug/l       | 0.01       | < 0.01     | 0.16       | < 0.01 | 0.01   | < 0.01 |
| Bis(2-ethylhexyl)phthalate | N          | ug/l       | 1          | < 1.00     | < 1.00     | < 1.00 | < 1.00 | < 1.00 |
| Benzo(b)fluoranthene       | N          | ug/l       | 0.01       | < 0.01     | 0.09       | < 0.01 | < 0.01 | < 0.01 |
| Benzo(k)fluoranthene       | N          | ug/l       | 0.01       | < 0.01     | 0.11       | < 0.01 | < 0.01 | < 0.01 |
| Benzo(a)pyrene             | N          | ug/l       | 0.01       | < 0.01     | 0.09       | < 0.01 | < 0.01 | < 0.01 |
| Indeno(1,2,3-CD)pyrene     | N          | ug/l       | 0.01       | < 0.01     | 0.04       | < 0.01 | < 0.01 | < 0.01 |
| Dibenz(ah)anthracene       | N          | ug/l       | 0.01       | < 0.01     | < 0.01     | < 0.01 | < 0.01 | < 0.01 |
| Benzo(ghi)perylene         | N          | ug/l       | 0.01       | < 0.01     | 0.07       | < 0.01 | < 0.01 | < 0.01 |

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## Method Summary

Report No.: 20-27456, issue number 3

| Parameter                                | Codes | Analysis Undertaken On | Date Tested | Method Number | Technique          |
|------------------------------------------|-------|------------------------|-------------|---------------|--------------------|
| <b>Water</b>                             |       |                        |             |               |                    |
| Aliphatic/Aromatic hydrocarbons in water | N     |                        | 18/03/2020  |               | GC-FID             |
| Aromatic hydrocarbons in water           | N     |                        | 18/03/2020  |               | GC-FID             |
| Phenols in waters                        | N     |                        | 13/03/2020  |               | HPLC               |
| Alkalinity in waters                     | N     |                        | 16/03/2020  | 100           | Titrimetry         |
| Dissolved metals by ICP in waters        | U     |                        | 13/03/2020  | 101           | ICPMS              |
| Dissolved organic carbon                 | N     |                        | 16/03/2020  | 102           | IR                 |
| pH of waters                             | U     |                        | 16/03/2020  | 113           | Electromeric       |
| Chromium Hexavalent in waters            | U     |                        | 16/03/2020  | 123           | Colorimetry        |
| Sulphide in water                        | N     |                        | 13/03/2020  | 134           | Colorimetry        |
| PAHs and/or PCBs in waters               | N     |                        | 17/03/2020  | 135           | GC-MS              |
| Electrical conductivity of water         | U     |                        | 16/03/2020  | 136           | Electromeric       |
| BOD                                      | N     |                        | 18/03/2020  | 142           | 5 Day              |
| COD (Chemical Oxygen Demand in waters)   | N     |                        | 16/03/2020  | 143           | Colorimetry        |
| Ammonia in waters                        | N     |                        | 16/03/2020  | 151           | Colorimetry        |
| Suspended Solids in waters               | N     |                        | 01/04/2020  | 155           | Gravimetry         |
| SVOC in waters                           | N     |                        | 17/03/2020  | 167           | GC-MS              |
| PAHs and/or PCBs in waters               | N     |                        | 17/03/2020  | 170           | GC-MS              |
| Low range Aliphatic hydrocarbons water   | N     |                        | 17/03/2020  | 200           | GC-MS              |
| Low range Aromatic hydrocarbons water    | N     |                        | 17/03/2020  | 200           | GC-MS              |
| VOC in waters                            | N     |                        | 12/03/2020  | 200           | GC-MS              |
| Elemental Sulphur by HPLC in waters      | N     |                        | 16/03/2020  | 206           | HPLC               |
| DO (Dissolved Oxygen) in waters          | N     |                        | 16/03/2020  | 211           | Electromeric       |
| Aliphatic hydrocarbons in water          | N     |                        | 17/03/2020  | 215           | GC-FID             |
| Aromatic hydrocarbons in water           | N     |                        | 17/03/2020  | 215           | GC-FID             |
| Anions                                   | U     |                        | 13/03/2020  | 270           | Ion Chromatography |

Tests marked N are not UKAS accredited



## Report Information

Report No.: 20-27456, issue number 3

### Key

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|     |                                                                             |
|-----|-----------------------------------------------------------------------------|
| U   | hold UKAS accreditation                                                     |
| M   | hold MCERTS and UKAS accreditation                                          |
| N   | do not currently hold UKAS accreditation                                    |
| ^   | MCERTS accreditation not applicable for sample matrix                       |
| *   | UKAS accreditation not applicable for sample matrix                         |
| S   | Subcontracted to approved laboratory UKAS Accredited for the test           |
| SM  | Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test    |
| NS  | Subcontracted to approved laboratory. UKAS accreditation is not applicable. |
| I/S | Insufficient Sample                                                         |
| U/S | Unsuitable sample                                                           |
| n/t | Not tested                                                                  |
| <   | means "less than"                                                           |
| >   | means "greater than"                                                        |

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

### Deviation Codes

- 
- |   |                                                          |
|---|----------------------------------------------------------|
| a | No date of sampling supplied                             |
| b | No time of sampling supplied (Waters Only)               |
| c | Sample not received in appropriate containers            |
| d | Sample not received in cooled condition                  |
| e | The container has been incorrectly filled                |
| f | Sample age exceeds stability time (sampling to receipt)  |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

### Sample Retention and Disposal

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All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage