



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:** 21-33115

**Issue:** Preliminary Report

**Date of Issue:** 16/04/2021

**Contact:** Fiona Goode

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

**Quotation No:** Q19-01488

**Order No:** PO-3834

**Customer Reference:** GE18103

**Date Received:** 12/03/2021

**Date Approved:** 16/04/2020

**Details:** Cornfield Close

**Approved by:**

Mike Varley, Technical Manager

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## Sample Summary

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| Elab No. | Client's Ref. | Date Sampled | Date Scheduled | Description      | Deviations |
|----------|---------------|--------------|----------------|------------------|------------|
| 233022   | Plot 30 0.10  | 11/03/2021   | 09/04/2021     | Sandy silty loam |            |
| 233023   | Plot 30 0.40  | 11/03/2021   | 09/04/2021     |                  |            |
| 233024   | Plot 32 0.20  | 11/03/2021   | 09/04/2021     |                  |            |
| 233025   | Plot 32 0.40  | 11/03/2021   | 09/04/2021     | Silty loam       |            |
| 233026   | Plot 33 0.15  | 11/03/2021   | 09/04/2021     |                  |            |
| 233027   | Plot 33 0.30  | 11/03/2021   | 09/04/2021     |                  |            |
| 233028   | Plot 34 0.10  | 11/03/2021   | 09/04/2021     | Sandy silty loam |            |
| 233029   | Plot 34 0.30  | 11/03/2021   | 09/04/2021     |                  |            |
| 233030   | Plot 35 0.20  | 11/03/2021   | 09/04/2021     | Sandy silty loam |            |
| 233031   | Plot 35 0.40  | 11/03/2021   | 09/04/2021     |                  |            |
| 233032   | Plot 42 0.10  | 11/03/2021   | 09/04/2021     | Sandy silty loam |            |
| 233033   | Plot 42 0.40  | 11/03/2021   | 09/04/2021     |                  |            |
| 233034   | Plot 43 0.10  | 11/03/2021   | 09/04/2021     |                  |            |
| 233035   | Plot 43 0.40  | 11/03/2021   | 09/04/2021     | Silty loam       |            |



## Results Summary

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| ELAB Reference                            |       |          |      | 233022     | 233025     | 233028     | 233030     | 233032     |
|-------------------------------------------|-------|----------|------|------------|------------|------------|------------|------------|
| Customer Reference                        |       |          |      |            |            |            |            |            |
| Sample ID                                 |       |          |      |            |            |            |            |            |
| Sample Type                               |       |          |      | SOIL       | SOIL       | SOIL       | SOIL       | SOIL       |
| Sample Location                           |       |          |      | Plot 30    | Plot 32    | Plot 34    | Plot 35    | Plot 42    |
| Sample Depth (m)                          |       |          |      | 0.10       | 0.40       | 0.10       | 0.20       | 0.10       |
| Sampling Date                             |       |          |      | 11/03/2021 | 11/03/2021 | 11/03/2021 | 11/03/2021 | 11/03/2021 |
| Determinand                               | Codes | Units    | LOD  |            |            |            |            |            |
| <b>Soil sample preparation parameters</b> |       |          |      |            |            |            |            |            |
| Material removed                          | N     | %        | 0.1  | 12.8       | < 0.1      | 9.7        | 11.6       | 18.6       |
| Description of Inert material removed     | N     |          | 0    | Stones     | None       | Stones     | Stones     | Stones     |
| <b>Metals</b>                             |       |          |      |            |            |            |            |            |
| Arsenic                                   | M     | mg/kg    | 1    | ^ 13.4     | ^ 15.3     | n/t        | ^ 13.6     | ^ 12.6     |
| Beryllium                                 | U     | mg/kg    | 1    | < 1.0      | < 1.0      | n/t        | < 1.0      | < 1.0      |
| Cadmium                                   | M     | mg/kg    | 0.5  | ^ < 0.5    | ^ < 0.5    | n/t        | ^ < 0.5    | ^ < 0.5    |
| Chromium                                  | M     | mg/kg    | 5    | ^ 22.8     | ^ 20.7     | n/t        | ^ 25.7     | ^ 23.3     |
| Copper                                    | M     | mg/kg    | 5    | ^ 29.2     | ^ 12.8     | ^ 32.6     | ^ 26.9     | ^ 28.6     |
| Lead                                      | M     | mg/kg    | 5    | ^ 163      | ^ 34.6     | n/t        | ^ 134      | ^ 124      |
| Mercury                                   | M     | mg/kg    | 0.5  | ^ < 0.5    | ^ < 0.5    | n/t        | ^ < 0.5    | ^ < 0.5    |
| Nickel                                    | M     | mg/kg    | 5    | ^ 15.4     | ^ 11.8     | ^ 18.5     | ^ 15.7     | ^ 15.2     |
| Selenium                                  | M     | mg/kg    | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ 1.9      | ^ < 1.0    |
| Vanadium                                  | M     | mg/kg    | 5    | ^ 36.6     | ^ 35.9     | n/t        | ^ 37.9     | ^ 35.6     |
| Zinc                                      | M     | mg/kg    | 5    | ^ 130      | ^ 60.3     | ^ 150      | ^ 127      | ^ 124      |
| <b>Anions</b>                             |       |          |      |            |            |            |            |            |
| Water Soluble Chloride                    | M     | mg/kg    | 40   | ^ 45       | ^ 98       | n/t        | ^ 60       | ^ 69       |
| Water Soluble Sulphate                    | M     | g/l      | 0.02 | ^ 0.13     | ^ 0.04     | n/t        | ^ 0.13     | ^ 0.22     |
| <b>Inorganics</b>                         |       |          |      |            |            |            |            |            |
| Carbonate                                 | N     | %        | 0.1  | n/t        | n/t        | 1.9        | n/t        | n/t        |
| Elemental Sulphur                         | M     | mg/kg    | 20   | ^ < 20     | ^ < 20     | n/t        | ^ < 20     | ^ < 20     |
| Hexavalent Chromium                       | N     | mg/kg    | 0.8  | < 0.8      | < 0.8      | n/t        | < 0.8      | < 0.8      |
| Total Sulphide                            | N     | mg/kg    | 2    | < 2        | < 2        | n/t        | < 2        | < 2        |
| Total Cyanide                             | M     | mg/kg    | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| Acid Soluble Sulphate (SO4)               | U     | %        | 0.02 | 0.05       | 0.03       | n/t        | 0.05       | 0.08       |
| Water Soluble Boron                       | N     | mg/kg    | 0.5  | 0.8        | < 0.5      | n/t        | 0.9        | 0.9        |
| <b>Miscellaneous</b>                      |       |          |      |            |            |            |            |            |
| Electrical Conductivity (CaSO4 extract)   | N     | uS/cm    | 50   | n/t        | n/t        | 2600       | n/t        | n/t        |
| Carbon Nitrogen Ratio                     | N     | ratio    | 0.1  | n/t        | n/t        | 17.1       | n/t        | n/t        |
| Loss On Ignition (450°C)                  | M     | %        | 0.01 | n/t        | n/t        | ^ 4.14     | n/t        | n/t        |
| pH                                        | M     | pH units | 0.1  | ^ 8.0      | ^ 7.3      | ^ 7.7      | ^ 8.0      | ^ 7.9      |
| Density                                   | N     | g/ml     | 0    | n/t        | n/t        | 1.15       | n/t        | n/t        |
| Total Carbon                              | N     | %        | 0.01 | n/t        | n/t        | 2.4        | n/t        | n/t        |
| Total Organic Carbon                      | N     | %        | 0.01 | 1.8        | 0.85       | n/t        | 1.9        | 1.6        |
| Total Nitrogen                            | N     | %        | 0.01 | n/t        | n/t        | 0.14       | n/t        | n/t        |
| Extractable Potassium                     | N     | mg/l     | 20   | n/t        | n/t        | 225        | n/t        | n/t        |
| Extractable Magnesium                     | N     | mg/l     | 20   | n/t        | n/t        | 96         | n/t        | n/t        |
| Extractable Phosphate                     | N     | mg/l     | 1    | n/t        | n/t        | 88         | n/t        | n/t        |
| Sand content                              | NS    | %        | 1    | n/t        | n/t        | to follow  | n/t        | n/t        |
| Silt content                              | NS    | %        | 1    | n/t        | n/t        | to follow  | n/t        | n/t        |
| Clay content                              | NS    | %        | 1    | n/t        | n/t        | to follow  | n/t        | n/t        |
| Stones > 2mm                              | NS    | %        | 1    | n/t        | n/t        | to follow  | n/t        | n/t        |
| Stones > 20mm                             | NS    | %        | 1    | n/t        | n/t        | to follow  | n/t        | n/t        |
| Stones > 50mm                             | NS    | %        | 1    | n/t        | n/t        | to follow  | n/t        | n/t        |
| Total Visible Contaminants                | N     | %        | 0.01 | n/t        | n/t        | < 0.01     | n/t        | n/t        |
| Plastics                                  | N     | %        | 0.01 | n/t        | n/t        | < 0.01     | n/t        | n/t        |
| Sharps                                    | N     | n/kg     | 0    | n/t        | n/t        | 0          | n/t        | n/t        |

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## Results Summary

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| ELAB Reference                           |       |       |      | 233022     | 233025     | 233028     | 233030     | 233032     |
|------------------------------------------|-------|-------|------|------------|------------|------------|------------|------------|
| Customer Reference                       |       |       |      |            |            |            |            |            |
| Sample ID                                |       |       |      |            |            |            |            |            |
| Sample Type                              |       |       |      | SOIL       | SOIL       | SOIL       | SOIL       | SOIL       |
| Sample Location                          |       |       |      | Plot 30    | Plot 32    | Plot 34    | Plot 35    | Plot 42    |
| Sample Depth (m)                         |       |       |      | 0.10       | 0.40       | 0.10       | 0.20       | 0.10       |
| Sampling Date                            |       |       |      | 11/03/2021 | 11/03/2021 | 11/03/2021 | 11/03/2021 | 11/03/2021 |
| Determinand                              | Codes | Units | LOD  |            |            |            |            |            |
| <b>Phenols</b>                           |       |       |      |            |            |            |            |            |
| Total Phenols                            | N     | mg/kg | 6    | < 6        | < 6        | n/t        | < 6        | < 6        |
| <b>Polyaromatic hydrocarbons</b>         |       |       |      |            |            |            |            |            |
| Naphthalene                              | M     | mg/kg | 0.1  | ^ < 0.1    | ^ < 0.1    | n/t        | ^ < 0.1    | ^ < 0.1    |
| Acenaphthylene                           | M     | mg/kg | 0.1  | ^ < 0.1    | ^ < 0.1    | n/t        | ^ < 0.1    | ^ < 0.1    |
| Acenaphthene                             | M     | mg/kg | 0.1  | ^ < 0.1    | ^ < 0.1    | n/t        | ^ < 0.1    | ^ < 0.1    |
| Fluorene                                 | M     | mg/kg | 0.1  | ^ < 0.1    | ^ < 0.1    | n/t        | ^ < 0.1    | ^ < 0.1    |
| Phenanthrene                             | M     | mg/kg | 0.1  | ^ 0.1      | ^ < 0.1    | n/t        | ^ 0.1      | ^ < 0.1    |
| Anthracene                               | M     | mg/kg | 0.1  | ^ < 0.1    | ^ < 0.1    | n/t        | ^ < 0.1    | ^ < 0.1    |
| Fluoranthene                             | M     | mg/kg | 0.1  | ^ 0.5      | ^ < 0.1    | n/t        | ^ 0.6      | ^ 0.2      |
| Pyrene                                   | M     | mg/kg | 0.1  | ^ 0.4      | ^ < 0.1    | n/t        | ^ 0.5      | ^ 0.2      |
| Benzo(a)anthracene                       | M     | mg/kg | 0.1  | ^ 0.2      | ^ < 0.1    | n/t        | ^ 0.3      | ^ 0.1      |
| Chrysene                                 | M     | mg/kg | 0.1  | ^ 0.3      | ^ < 0.1    | n/t        | ^ 0.4      | ^ 0.1      |
| Benzo(b)fluoranthene                     | M     | mg/kg | 0.1  | ^ 0.3      | ^ < 0.1    | n/t        | ^ 0.5      | ^ 0.2      |
| Benzo(k)fluoranthene                     | M     | mg/kg | 0.1  | ^ 0.2      | ^ < 0.1    | n/t        | ^ 0.4      | ^ 0.1      |
| Benzo(a)pyrene                           | M     | mg/kg | 0.1  | ^ 0.3      | ^ < 0.1    | n/t        | ^ 0.3      | ^ 0.1      |
| Indeno(1,2,3-cd)pyrene                   | M     | mg/kg | 0.1  | ^ 0.2      | ^ < 0.1    | n/t        | ^ 0.3      | ^ 0.1      |
| Dibenzo(a,h)anthracene                   | M     | mg/kg | 0.1  | ^ 0.1      | ^ < 0.1    | n/t        | ^ 0.1      | ^ < 0.1    |
| Benzo[g,h,i]perylene                     | M     | mg/kg | 0.1  | ^ 0.2      | ^ < 0.1    | n/t        | ^ 0.5      | ^ < 0.1    |
| Total PAH(16)                            | M     | mg/kg | 0.4  | ^ 2.9      | ^ < 0.4    | n/t        | ^ 4.1      | ^ 1.5      |
| <b>BTEX</b>                              |       |       |      |            |            |            |            |            |
| Benzene                                  | M     | ug/kg | 10   | ^ < 10.0   | ^ < 10.0   | n/t        | ^ < 10.0   | ^ < 10.0   |
| Toluene                                  | M     | ug/kg | 10   | ^ < 10.0   | ^ < 10.0   | n/t        | ^ < 10.0   | ^ < 10.0   |
| Ethylbenzene                             | M     | ug/kg | 10   | ^ < 10.0   | ^ < 10.0   | n/t        | ^ < 10.0   | ^ < 10.0   |
| Xylenes                                  | M     | ug/kg | 10   | ^ < 10.0   | ^ < 10.0   | n/t        | ^ < 10.0   | ^ < 10.0   |
| MTBE                                     | N     | ug/kg | 10   | < 10.0     | < 10.0     | n/t        | < 10.0     | < 10.0     |
| <b>TPH CWG</b>                           |       |       |      |            |            |            |            |            |
| >C5-C6 Aliphatic                         | N     | mg/kg | 0.01 | < 0.01     | < 0.01     | n/t        | < 0.01     | < 0.01     |
| >C6-C8 Aliphatic                         | N     | mg/kg | 0.01 | < 0.01     | < 0.01     | n/t        | < 0.01     | < 0.01     |
| >C8-C10 Aliphatic                        | N     | mg/kg | 1    | < 1.0      | < 1.0      | n/t        | < 1.0      | < 1.0      |
| >C10-C12 Aliphatic                       | M     | mg/kg | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| >C12-C16 Aliphatic                       | M     | mg/kg | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| >C16-C21 Aliphatic                       | M     | mg/kg | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| >C21-C35 Aliphatic                       | M     | mg/kg | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| >C35-C40 Aliphatic                       | M     | mg/kg | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| Total aliphatic hydrocarbons (>C5 - C40) | N     | mg/kg | 1    | < 1.0      | < 1.0      | n/t        | < 1.0      | < 1.0      |
| >C5-C7 Aromatic                          | N     | mg/kg | 0.01 | < 0.01     | < 0.01     | n/t        | < 0.01     | < 0.01     |
| >C7-C8 Aromatic                          | N     | mg/kg | 0.01 | < 0.01     | < 0.01     | n/t        | < 0.01     | < 0.01     |
| >C8-C10 Aromatic                         | N     | mg/kg | 1    | < 1.0      | < 1.0      | n/t        | < 1.0      | < 1.0      |
| >C10-C12 Aromatic                        | M     | mg/kg | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| >C12-C16 Aromatic                        | M     | mg/kg | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| >C16-C21 Aromatic                        | M     | mg/kg | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| >C21-C35 Aromatic                        | M     | mg/kg | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| >C35-C40 Aromatic                        | M     | mg/kg | 1    | ^ < 1.0    | ^ < 1.0    | n/t        | ^ < 1.0    | ^ < 1.0    |
| Total aromatic hydrocarbons (>C5 - C40)  | N     | mg/kg | 1    | < 1.0      | < 1.0      | n/t        | 1.5        | < 1.0      |
| Total petroleum hydrocarbons (>C5 - C40) | N     | mg/kg | 1    | 1.0        | < 1.0      | n/t        | 1.9        | < 1.0      |

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## Results Summary

Report No.: 21-33115, issue number 0

|                    |            |
|--------------------|------------|
| ELAB Reference     | 233035     |
| Customer Reference |            |
| Sample ID          |            |
| Sample Type        | SOIL       |
| Sample Location    | Plot 43    |
| Sample Depth (m)   | 0.40       |
| Sampling Date      | 11/03/2021 |

| Determinand                                         | Codes | Units    | LOD  |           |
|-----------------------------------------------------|-------|----------|------|-----------|
| <b>Soil sample preparation parameters</b>           |       |          |      |           |
| Material removed                                    | N     | %        | 0.1  | 20.3      |
| 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    | ^ 21.4    |
| Lead                                                | M     | mg/kg    | 5    | n/t       |
| Mercury                                             | M     | mg/kg    | 0.5  | n/t       |
| Nickel                                              | M     | mg/kg    | 5    | ^ 17.9    |
| Selenium                                            | M     | mg/kg    | 1    | n/t       |
| Vanadium                                            | M     | mg/kg    | 5    | n/t       |
| Zinc                                                | M     | mg/kg    | 5    | ^ 97.0    |
| <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  | 2.4       |
| 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   | 2560      |
| Carbon Nitrogen Ratio                               | N     | ratio    | 0.1  | 16.4      |
| Loss On Ignition (450°C)                            | M     | %        | 0.01 | ^ 3.28    |
| pH                                                  | M     | pH units | 0.1  | ^ 8.2     |
| Density                                             | N     | g/ml     | 0    | 1.12      |
| Total Carbon                                        | N     | %        | 0.01 | 1.9       |
| Total Organic Carbon                                | N     | %        | 0.01 | n/t       |
| Total Nitrogen                                      | N     | %        | 0.01 | 0.12      |
| Extractable Potassium                               | N     | mg/l     | 20   | 152       |
| Extractable Magnesium                               | N     | mg/l     | 20   | 58        |
| Extractable Phosphate                               | N     | mg/l     | 1    | 72        |
| 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    | to follow |
| Total Visible Contaminants                          | N     | %        | 0.01 | < 0.01    |
| Plastics                                            | N     | %        | 0.01 | < 0.01    |
| Sharps                                              | N     | n/kg     | 0    | 0         |



## Results Summary

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|                    |            |
|--------------------|------------|
| ELAB Reference     | 233035     |
| Customer Reference |            |
| Sample ID          |            |
| Sample Type        | SOIL       |
| Sample Location    | Plot 43    |
| Sample Depth (m)   | 0.40       |
| Sampling Date      | 11/03/2021 |

| 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 |



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY  
Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

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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             | Gravimetric Analysis Total | Gravimetric Analysis by ACM Type | Free Fibre Analysis | Total Asbestos |
|-------------------|-------------------|------------------------------------------------|----------------------|----------------------------|----------------------------------|---------------------|----------------|
| 233022 :0.10      | Plot 30           | Brown Sandy Soil,Stones,Glass                  | No asbestos detected | n/t                        | n/t                              | n/t                 | n/t            |
| 233025 :0.40      | Plot 32           | Brown Sandy Soil,Stones                        | No asbestos detected | n/t                        | n/t                              | n/t                 | n/t            |
| 233030 :0.20      | Plot 35           | Brown Sandy Soil,Stones                        | No asbestos detected | n/t                        | n/t                              | n/t                 | n/t            |
| 233032 :0.10      | Plot 42           | Brown Sandy Soil,Stones,Brick,Concrete,Clinker | No asbestos detected | n/t                        | n/t                              | n/t                 | n/t            |

## Method Summary

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| Parameter                             | Codes | Analysis Undertaken On | Date Tested | Method Number | Technique          |
|---------------------------------------|-------|------------------------|-------------|---------------|--------------------|
| <b>Soil</b>                           |       |                        |             |               |                    |
| Acid neutralisation capacity          | N     | Air dried sample       | 12/04/2021  |               |                    |
| Extractable cations - BS3882          | N     | Air dried sample       | 12/04/2021  |               | ICPMS              |
| Visible Contaminants                  | N     |                        | 12/04/2021  |               |                    |
| Sulphide                              | N     | As submitted sample    | 14/04/2021  | 109           | Colorimetry        |
| Hexavalent chromium                   | N     | As submitted sample    | 14/04/2021  | 110           | Colorimetry        |
| pH                                    | M     | Air dried sample       | 16/04/2021  | 113           | Electromeric       |
| Electrical conductivity of soil       | N     | Air dried sample       | 13/04/2021  | 114           | Electromeric       |
| Acid Soluble Sulphate                 | U     | Air dried sample       | 15/04/2021  | 115           | Ion Chromatography |
| Phenols in solids                     | N     | As submitted sample    | 14/04/2021  | 121           | HPLC               |
| Elemental Sulphur                     | M     | Air dried sample       | 13/04/2021  | 122           | HPLC               |
| Loss on ignition at 450 deg C         | M     | Air dried sample       | 15/04/2021  | 129           | Gravimetry         |
| PAH (GC-FID)                          | M     | As submitted sample    | 12/04/2021  | 133           | GC-FID             |
| Extr. Phos                            | N     | Air dried sample       | 12/04/2021  | 140           | ICPMS              |
| Water soluble anions                  | M     | Air dried sample       | 13/04/2021  | 172           | Ion Chromatography |
| Low range Aliphatic hydrocarbons soil | N     | As submitted sample    | 14/04/2021  | 181           | GC-MS              |
| Low range Aromatic hydrocarbons soil  | N     | As submitted sample    | 14/04/2021  | 181           | GC-MS              |
| BTEX in solids                        | M     | As submitted sample    | 14/04/2021  | 181A          | GC-MS              |
| Water soluble boron                   | N     | Air dried sample       | 14/04/2021  | 202           | Colorimetry        |
| Total cyanide                         | M     | As submitted sample    | 14/04/2021  | 204           | Colorimetry        |
| Total organic carbon/Total sulphur    | N     | Air dried sample       | 13/04/2021  | 210           | IR                 |
| TPH CWG soil by gc-gc                 | M     | As submitted sample    | 12/04/2021  | 271           |                    |
| Asbestos identification               | U     | Air dried sample       | 14/04/2021  | 280           | Microscopy         |
| Aqua regia extractable metals         | M     | Air dried sample       | 13/04/2021  | 300           | ICPMS              |

Tests marked N are not UKAS accredited

## Report Information

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### 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